ISAPE 2026

The 15th International Symposium on Antennas, Propagation and EM Theory

Technical Program

Conference Website
https://www.rpsoc.cn/isape2026/index.php

Oct. 22-25, 2026
Haikou, China

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Brief Agenda

DATE	TIME	AGENDA
October22 (Thursday)	13:00-21:00	Registration
	15:00-18:00	Tutorials
October23 (Friday)	08:30-09:00	Opening Ceremony
	09:00-12:00	Plenary Presentations
	14:00-18:00	Special & Poster Sessions
October24 (Saturday)	09:00-12:00	Plenary Presentations & Poster Sessions
	14:00-18:00	Special & Poster Sessions
October25 (Sunday)	08:30-12:10	Special & Poster Sessions

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The 15th International Symposium on Antennas, Propagation and EM Theory(ISAPE 2026) Program at a Glance

Oct. 22-23, 2026

October22 (Thursday)	13:00-21:00	Registration (Hotel Lobby, 1F)															
	15:00-18:00	Tutorials (Room H and J, 2F)															
October23 (Friday)	08:30-09:00	Opening Ceremony (Hainan Grand Ballroom/ 海南厅，1F)															
	09:00-12:00	**Plenary Presentations (Hainan Grand Ballroom/ 海南厅，1F)**														**Host**	
	09:00-09:30	Plenary Presentation 1	Multibeam Antennas Without BFN						Prof. Stefano Maci (University of Siena, Italy)							Pro. Steven Gao (The Chinese University of Hong Kong, China)	
	09:30-10:00	Plenary Presentation 2	Metamaterials in Electromagnetics						Prof. Ari Sihvola (Aalto University, Finland)								
	10:00-10:30	Group Photo，Coffee Break															
	10:30-11:00	Plenary Presentation 3	Regional Cooperation on Ionospheric Observation and Modeling: The APSCO Approach						Dr. Hui Jiang (Asia-Pacific Space Cooperation Organization (APSCO), China)								
	11:00-11:30	Plenary Presentation 4	6G/B6G 3D Continuous-Space Radio Channel Modeling Enabled by Electromagnetic Information Theory						Prof. Chengxiang Wang (Southeast University，China)								
	11:30-12:00	Plenary Presentation 5	Engineering Periodic Surfaces: Theory，Fabrication，and Future Directions						Prof. Ioannis (Yiannis) Vardaxoglou (South China University of Technology, China)								
		Room	**Room A, 1F (贵宾厅, VIP Room)**	**Room B, 1F (海南厅A, Hainan Grand Ballroom A)**	**Room C, 1F (海南厅B, Hainan Grand Ballroom B)**	**Room E, 1F (青岛厅, Qingdao Function Room)**	**Room F, 2F (会议室3, Meeting Room 3)**	**Room G, 2F (会议室2, Meeting Room 2)**		**Room H, 2F (北京厅A, Beijing Function Room A)**	**Room I, 2F (北京厅B, Beijing Function Room B)**	**Room J, 2F (北京厅C, Beijing Function Room C)**	**Room K, 2F (会议室1, Meeting Room 1)**	**Room L, 2F (董事会议室, Board Room)**	**Room M, 3F (新疆厅, XINJIANG Function Room)**	**Room N, 3F (陕西厅, SHAANXI Function Room)**	**Room D, 1F (海南厅C, Hainan Grand Ballroom C)**	**Hallway, 2F (北京厅外走廊, Beijing Function Room)**
	14:00-15:40	**SPECIAL Session: FP1A** Advanced Antenna and Array for Satellite Communication	**SPECIAL Session: FP1B** Channel Measurement and Modeling at Millimeter-Wave and Terahertz Bands (Part I)	**SPECIAL Session: FP1C** Artificial Intelligence for Computing: Theories, Methods and Applications (Part I)	**SPECIAL Session: FP1E** AI-Empowered Electromagnetic Scattering and Propagation in Complex Ground and Marine Environments: Mechanisms, Modeling, and Sensing (Part I)	**SPECIAL Session: FP1F** Electromagnetic Functional Radomes and Protective Shields (Part I)	**SPECIAL Session: FP1G** Microwave Communication Networks and Payloads: Advanced Technologies and Applications (Part I)		**SPECIAL Session: FP1H** AI Aided Perception of EM Propagation Effects in Troposphere and Its Applications in Radar and Communication Systems	**SPECIAL Session: FP1I** Research on the Impacts of Radio Wave Environment on Navigation, Communication, Radar, and Other Systems, and Associated Countermeasures (Part I)	**SPECIAL Session: FP1J** HK RGC AoE Project: Advanced Antenna Technology for a Smart World (Part I)	**SPECIAL Session: FP1K** Intelligent Radio Environment Modeling and Wave Propagation Prediction (Part I)	**SPECIAL Session: FP1L** Advanced Beamforming and Reconfigurable Antenna Technologies for Beyond-5G Systems (Part I)	**SPECIAL Session: FP1M** Multi-Source Electromagnetic Observations for Near-Earth Space Environment and Natural Hazard Monitoring (Part I)	**SPECIAL Session: FP1N** Atmospheric Detection Technologies, Scientific Research, and Applications Based on Electromagnetic Wave–Atmosphere Interactions (Part I)	Young Scientist Award Session Best Paper Award Session Oct.23, 14:00–18:00	Poster Session- Oct.23, 14:00–Oct.24, 12:00
	15:40-16:00	Coffee Break																	
	16:00-18:00	**SPECIAL Session: FP2A** Structured OAM Electromagnetic Waves and Antenna Array Innovations	**SPECIAL Session: FP2B** Channel Measurement and Modeling at Millimeter-Wave and Terahertz Bands (Part II)	**SPECIAL Session: FP2C** Artificial Intelligence for Computing: Theories, Methods and Applications (Part II)	**SPECIAL Session: FP2E** AI-Empowered Electromagnetic Scattering and Propagation in Complex Ground and Marine Environments: Mechanisms, Modeling, and Sensing (Part II)	**SPECIAL Session: FP2F** Electromagnetic Functional Radomes and Protective Shields (Part II)	**SPECIAL Session: FP2G** Microwave Communication Networks and Payloads: Advanced Technologies and Applications (Part II)		**SPECIAL Session: FP2H** IEEE Antenna and Propagation Society (AP-S) International Young Professional Talks	**SPECIAL Session: FP2I** Research on the Impacts of Radio Wave Environment on Navigation, Communication, Radar, and Other Systems, and Associated Countermeasures (Part II)	**SPECIAL Session: FP2J** HK RGC AoE Project: Advanced Antenna Technology for a Smart World (Part II)	**SPECIAL Session: FP2K** Intelligent Radio Environment Modeling and Wave Propagation Prediction (Part II)	**SPECIAL Session: FP2L** Advanced Beamforming and Reconfigurable Antenna Technologies for Beyond-5G Systems (Part II)	**SPECIAL Session: FP2M** Multi-Source Electromagnetic Observations for Near-Earth Space Environment and Natural Hazard Monitoring (Part II)	**SPECIAL Session: FP2N** Atmospheric Detection Technologies, Scientific Research, and Applications Based on Electromagnetic Wave–Atmosphere Interactions (Part II) **SPECIAL Session: FP3N** Electromagnetic Wave Propagation Modeling in Complex Marine Environments		

The 15th International Symposium on Antennas, Propagation and EM Theory(ISAPE 2026) Program at a Glance

Oct. 24, 2026

October24 (Saturday)	09:00-12:00	Plenary Presentations (Hainan Grand Ballroom/ 海南厅, 1F)														Host	Room D, 1F (海南厅C, Hainan Grand Ballroom C)	Hallway, 2F (北京厅外走廊, Beijing Function Room)
	09:00-09:30	Plenary Presentation 6	ME Dipoles for High-Gain Antenna Designs						Prof. Kwai Man Luk (City University of Hong Kong, China)							Yi Huang (The University of Liverpool, England)	POSTER Session: Oct.23, 18:30-Oct. 24,12:00	POSTER Session: Oct.23, 14:00-Oct. 24,12:00
	09:30-10:00	Plenary Presentation 7	Emerging Antenna Technologies for Cancer Thermal Therapy						Prof. Koichi Ito (Chiba University, Japan)									
	10:00-10:30	Plenary Presentation 8	Multipole Engineering – in Space and in Time						Prof. Richard W. Ziolkowski (The University of Arizona, USA)									
	10:30-11:00	Coffee Break																
	11:00-11:30	Plenary Presentation 9	Solutions to Butler Matrix Limitations						Prof. Ahmed A. Kishk (Concordia University, Canada)									
	11:30-12:00	Plenary Presentation 10	On the Opportunities of Glide Symmetries for Antennas and Microwave Circuits						Prof. Oscar Quevedo-Teruel (KTH Royal Institute of Technology, Sweden)									
	Room	Room A, 1F (贵宾厅, VIP Room)	Room B, 1F (海南厅A, Hainan Grand Ballroom A)	Room C, 1F (海南厅B, Hainan Grand Ballroom B)	Room E, 1F (青岛厅, Qingdao Function Room)	Room F, 2F (会议室3, Meeting Room 3)	Room G, 2F (会议室2, Meeting Room 2)		Room H, 2F (北京厅A, Beijing Function Room A)	Room I, 2F (北京厅B, Beijing Function Room B)	Room J, 2F (北京厅C, Beijing Function Room C)	Room K, 2F (会议室1, Meeting Room 1)	Room L, 2F (董事会议室, Board Room)	Room M, 3F (新疆厅, XINJIANG Function Room)	Room N, 3F (陕西厅, SHAANXI Function Room)		Room D, 1F (海南厅C, Hainan Grand Ballroom C)	Hallway, 2F (北京厅外走廊, Beijing Function Room)
	14:00-15:40	SPECIAL Session: SP1A Progress of Ionosphere and Upper Atmosphere Measurement and Research in the along the Meridian Circles 120°E (Part I)	SPECIAL Session: SP1B Time-Domain Computational Electromagnetics and Its Applications (Part I)	SPECIAL Session: SP1C 2026 URSI-CHINA Yong Scientist and Women in Radio Science Forum(Part I)	SPECIAL Session: SP1C Optoelectronic Stealth and Electromagnetic Effect Analysis(Part I)	SPECIAL Session: SP1F Advances in High Frequency Antennas and Electromagnetic Wave Propagation (Part I)	SPECIAL Session: SP1G Advanced Functionally Integrated Antennas and Circuits (Part I)		SPECIAL Session: SP1H Channel Measurement and Modeling for 6G Space-Air-Ground-Sea Integrated Networks (Part I)	SPECIAL Session: SP1I New Advances in Digital, Analog and Mixed Phased Arrays for Practical Applications	SPECIAL Session: SP1J AI-Driven Wireless Propagation and Channel Modeling toward Standardization (Part I)	SPECIAL Session: SP1K Multi-Mode and Multi-Port Antenna (Part I)	SPECIAL Session: SP1L Plasmonic Metamaterials and Distributed Functional Metasurfaces	SPECIAL Session: SP1M Advanced Antenna Technologies for Practical Applications and Their Measurement Techniques (Part I)	SPECIAL Session: SP1N Advanced Techniques in Antenna Array Design, Optimization and Application (Part I)		POSTER Session: Oct.24, 14:00-18:00	POSTER Session: Oct.24, 14:00-18:00
	15:40-16:00	Coffee Break																
	16:00-18:00	SPECIAL Session: SP2A Progress of Ionosphere and Upper Atmosphere Measurement and Research in the along the Meridian Circles 120°E (Part II)	SPECIAL Session: SP2B Time-Domain Computational Electromagnetics and Its Applications (Part II)	SPECIAL Session: SP2C 2026 URSI-CHINA Yong Scientist and Women in Radio Science Forum(Part II)	SPECIAL Session: SP2E Optoelectronic Stealth and Electromagnetic Effect Analysis (Part II)	SPECIAL Session: SP2F Advances in High Frequency Antennas and Electromagnetic Wave Propagation (Part II)	SPECIAL Session: SP2G Advanced Functionally Integrated Antennas and Circuits (Part II)		SPECIAL Session: SP2H Channel Measurement and Modeling for 6G Space-Air-Ground-Sea Integrated Networks (Part II)	SPECIAL Session: SP2I Fluid Antennas System and Reconfigurable Antennas	SPECIAL Session: SP2J AI-Driven Wireless Propagation and Channel Modeling toward Standardization (Part II)	SPECIAL Session: SP2K Multi-Mode and Multi-Port Antenna (Part II) / SPECIAL Session: SP3K Multi-Mode and Multi-Port Antenna (Part III)	SPECIAL Session: SP2L Practical Multiphysics Engineering for Deployable Antenna Arrays and Metamaterial Sensing Devices	SPECIAL Session: SP2L Advanced Antenna Technologies for Practical Applications and Their Measurement Techniques (Part II)	SPECIAL Session: SP2N Advanced Techniques in Antenna Array Design, Optimization and Application (Part II)			

The 15th International Symposium on Antennas, Propagation and EM Theory(ISAPE 2026) Program at a Glance

Oct. 25, 2026

	Room	Room A, 1F (贵宾厅, VIP Room)	Room B, 1F (海南厅A, Hainan Grand Ballroom A)	Room C, 1F (海南厅B, Hainan Grand Ballroom B)	Room E, 1F (青岛厅, Qingdao Function Room)	Room F, 2F (会议室3, Meeting Room 3)	Room G, 2F (会议室2, Meeting Room 2)		Room H, 2F (北京厅A, Beijing Function Room A)	Room I, 2F (北京厅B, Beijing Function Room B)	Room J, 2F (北京厅C, Beijing Function Room C)	Room K, 2F (会议室1, Meeting Room 1)	Room L, 2F (董事会议室, Board Room)	Room M, 3F (新疆厅, XINJIANG Function Room)	Room N, 3F (陕西厅, SHAANXI Function Room)	Room D, 1F (海南厅C, Hainan Grand Ballroom C)	Hallway, 2F (北京厅外走廊, Beijing Function Room)
October25 (Sunday)	08:30-10:10					SPECIAL Session: SA1F Electromagnetic Metasurfaces and Their Applications in Array Antennas (Part I)	SPECIAL Session: SA1G Millimeter-Wave and Terahertz Solid-State Circuits and Systems Technology		SPECIAL Session: SA1H Circularly Polarized Antennas and Arrays (Part I)	SPECIAL Session: SA1I Advances and Applications of Near-Field Scattering Modeling and Testing (Part I)	SPECIAL Session: SA1J Cognitive Twin of Low-Altitude Electromagnetic Environment: Technologies and Applications (Part I)	SPECIAL Session: SA1K Artificial Intelligence for Computing: Theories, Methods and Applications (Part I)		SPECIAL Session: SA1M Electromagnetic Simulation and Verification (Part I)	SPECIAL Session: SA1N AI-Infused Computational Electromagnetics: Intelligent Modeling, Design, and Optimization (Part I)		POSTER Session: Oct.24, 18:30– Oct.25, 12:00
	10:10-10:25	Coffee Break															
	10:25-12:10					SPECIAL Session: SA2F Electromagnetic Metasurfaces and Their Applications in Array Antennas (Part II)	SPECIAL Session: SA2G Special Session on ITU Radio Wave Propagation Effects and Applications		SPECIAL Session: SA2H Circularly Polarized Antennas and Arrays (Part II)	SPECIAL Session: SA2I Advances and Applications of Near-Field Scattering Modeling and Testing (Part II)	SPECIAL Session: SA2J Cognitive Twin of Low-Altitude Electromagnetic Environment: Technologies and Applications (Part II)	SPECIAL Session: SA2K Artificial Intelligence for Computing: Theories, Methods and Applications (Part II)		SPECIAL Session: SA2M Electromagnetic Simulation and Verification (Part II)	SPECIAL Session: SA2N AI-Infused Computational Electromagnetics: Intelligent Modeling, Design, and Optimization (Part II)		

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Organization of the ISAPE 2026

Organizations

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- Yunnan Kunming Electromagnetic Environment National Observation and Research Station
- Key Laboratory of Intelligent Computing & Signal Processing, Ministry of Education
- Key Laboratory of Data Science and Smart Education, Hainan Normal University, Ministry of Education
- Sichuan Province Electronic Information Science International Science and Technology Collaboration Base
- Radiowave Measurement, Research and Application Shandong International Science & Technology Cooperation Base, China
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- Anhui Province Key Laboratory of Simulation Calculation and Design for Electronic Information System
- Laboratory of Planetary Science and Frontier Technology
- Anhui Provincial Engineering Research Center of RF Integrated Circuit Design and Packaging
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Technical Supported by

- IEEE Antennas and Propagation Society (AP-S)
- International Union of Radio Science (URSI)-CIE
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- IEEE Open Journal of Antennas and Propagation
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- IEEE（香港）分会天线与传播/微波理论与技术联合分会

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Greetings from the General Chairs

It is our great pleasure to invite you to the 15th International Symposium on Antennas, Propagation and EM Theory (ISAPE). ISAPE2026 is sponsored by Chinese Institute of Electronics (CIE), co-sponsored by China Research Institute of Radiowave Propagation, Xidian University, Xi'an Institute of Space Radio Technology, The 29th Research Institute of CETC, The 36th Research Institute of CETC, National Key Laboratory of Electromagnetic Wave Propagation, National Key Laboratory of Space Microwave Communications, National Key Laboratory of Electromagnetic Space Security, and Electromagnetic and Optical Information Perception in Complex Environment, Ministry of Education. Many thanks go to the Technical Program Committee and the Organizing Committee as well as our sponsors, co-sponsors for their efforts to offer all the participants an excellent technical program and an opportunity to spend a pleasant time at the conference.

ISAPE is a serial symposium on antennas, propagation, and EM theory, held every two years, always offers an active forum for exchanging creative ideas and experiences of the latest developments, designs in the areas of antennas, propagation, and electromagnetic theory for professors, researchers, engineers and students all over the world. Today, the ISAPE2026 convenes in the beautiful coastal city of Haikou. Situated in the tropics, Haikou is a picturesque city with breathtaking natural coastal scenery and serves as a strategic pivot of the 21st Century Maritime Silk Road and China's only province-wide international tourism island.

We wish to extend our warmest welcome and most sincere greetings to all the distinguished guests who have graciously taken time out of your busy schedules to attend this conference. As a professional academic platform dedicated to the fields of antennas, radio wave propagation and electromagnetic theory, ISAPE has always taken the advancement of interdisciplinary integration and of collaboration among industry, academia and research as its core mission. It is our sincere hope that all participants will make full use of this occasion to share frontier findings and to jointly prompt research in antennas, propagation and electromagnetic theory, thereby injecting new momentum into technological breakthroughs in these fields worldwide. We wish the conference complete success, and wish all of you spending a pleasant time during the conference. Thank you!

Best Regards,

Prof. Jian Wu and Xue Li, General Chairs



Prof. Jian Wu
CIE Radio Propagation Society



Prof. Xue Li
China Research Institute of Radiowave Propagation

Messages from the Technical Program Committee Chairs

On behalf of the Technical Program Committee (TPC), we warmly welcome all of you to the 2026 International Symposium on Antennas, Propagation and EM Theory (ISAPE 2026) in Haikou.

With its 113 members, ISAPE 2026 TPC has worked hard and put together a diverse and well-organized technical program, covering the interesting topics like electromagnetic theory, computational electromagnetic, antennas and propagation, etc. The 180 TPC members and reviewers reviewed all the papers and evaluated their technical merits and interests to the community. Finally, a total number of 714 papers from 19 countries and regions were accepted for presentations and for possible publications in IEEE Xplore, including 157 invited talks. Also, 40 special sessions and 295 posters were organized to deliver talks from academia and industries.

The TPC has also invited 10 keynote Speakers to make interesting presentations on current research topics in electromagnetic technologies. The TPC also received 112 and 79 applications respectively for Best Paper Award and the Young Scientist Award competition. After the strict peer review by the TPC members, 17 papers were nominated for the final run of the Best Student Paper Award Competition and 40 papers were nominated for the final run of the Young Scientist Award Competition.

This year, the TPC implemented a rigorous review process, which we believe has significantly improved the quality of the accepted papers. Additionally, all submissions, reviews, and final decisions were managed entirely electronically.

On behalf of the TPC, we would like to thank all the authors for their contributions, without them, ISAPE 2026 is impossible. We would also like to thank all the TPC members, session organizers, session chairs, reviewers, and other participants for their effort and dedication in making this technical program successful.

Last but not least, we would like to express our sincere appreciation to the students, faculty and staff from the China Research Institute of Radiowave Propagation and Hainan Normal University for their time and efforts in arranging and helping this conference.

We wish you all a memorable and fruitful stay in Haikou, China.

Sincerely,

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02

Attendance Notice

Conference Venue

The 15th Symposium on Antennas, Propagation and Electromagnetic Theory (ISAPE2026) will be held from October 22 to 25, 2026 at Haikou Yatter Hotel, Vignette Collection (No.7 Changbin 1st Road, Xiuying District, Haikou City, Hainan Province, China).
Hotel website :https://www.ihg.com.cn/vignettecollection/hotels/gb/en/haikou/hakhy/hoteldetail

About Visa Exemption Policies

To assist you in quickly confirming the entry visa requirements, we have attached the latest visa free policy of Hainan Province, China (as of June 26, 2026).
https://en.hainan.gov.cn/englishsite/mr4/list_Requested.shtml?ddtab=true
You may click the link to check whether your country is within the visa-exempt scope so as to plan your trip in advance. Please Note: The entry policies for Hainan differ from those applicable to the whole of China. Certain visa exemption schemes are restricted to activities within Hainan Province. Please read the relevant guidelines carefully and notice on the latest updates from the official website.

Registration Information

On-site registration for ISAPE2026 will open on Thursday, October 22, 2026. For details, please visit:
https://www.rpsoc.cn/isape2026/index.php/site/singlePage/25

On-site Registration Time & Venue:
- October 22: 13:00-21:00 (Beijing Time)
- October 23-24: 09:00-20:00 (Beijing Time)
- October 25: 09:00-12:00 (Beijing Time)

Venue: Lobby, Haikou Yatter Hotel, Vignette Collection, No.7 Changbin 1st Road, Xiuying District, Haikou City, Hainan Province, China.

Registration Fees

		Pre-registration & Payment (by Oct. 15, 2026)	Regular Registration & Payment (Oct. 16-25, 2026)	Number of Accepted Conference Papers
Student Participants		2500 RMB 370 USD	3400 RMB 500 USD	1 paper
Other Participants	CIE / IEEE Member	3200 RMB 470 USD	4000 RMB 600 USD	1-2 papers
	Non-CIE / Non-IEEE Member	3800 RMB 570 USD	4700 RMB 700 USD	1-2 papers

Audio-Visual Equipment

Each session room is equipped with a desktop computer, microphone, laser pointer and projector. If you have special interface requirements (e.g., Mac adapter), please bring your own adapter.

Language

The conference will be conducted entirely in English.

Presentation Guidelines

Instructions for Invited/Oral Speakers

For invited presentations, please prepare a PowerPoint presentation within 20 or 25 minutes (including Q&A), as specified in the Technical Program.

For oral presentations, please prepare a PowerPoint presentation within 15 minutes of (including Q&A).

Speakers are required to arrive at the session room at least 15 minutes before the start of their presentation. Each session room is equipped with one computer and one projector. Speakers may use the computer provided in the meeting room for presentation. Please pre-copy your presentation PPT to the computer in your session room. Any delay caused by the speaker will be deducted from your presentation time.

It is recommended that speakers test their presentation in advance on the conference room computer to check fonts, special symbols, animation and video. Session chairs will remind speakers when 5 minutes remain.

Computers in each session room are equipped with USB ports, running Windows 10 (or newer). Installed software includes Adobe Acrobat Reader (for PDF), MathType and Microsoft Office (Word, Excel, PowerPoint). All presentation files must be compatible with this software suite. You may obtain information and assistance at the registration desk.

Due to the large number of presentations and tight schedule, please copy your presentation file to the computer in your session room in advance.

Poster Session Instructions

Posters are required to paste their posters as specified in the Technical Program, and be available for on-site Q&A beside the poster during break time.

Presenters should paste posters at least 20 minutes before their poster session starts. Poster presenters are required to paste their posters as specified in the Technical Program, and should be available for on-site Q&A beside the poster during break time. All presenters must remove posters after the session. Unclaimed posters will be disposed by conference staff.

The poster presentation should include the title and the research objectives, the methodology used to solve the problem or to develop the computer program, the major findings or outcomes and their significance and conclusions. Additionally, provide the names and affiliated institutions of all authors. There should be a logical flow of ideas and concepts in your poster - introduction, development and conclusion.

Poster Design Requirements: The heading of your poster should be within 74cm*11cm. The heading should include the title (about 3cm in height) of the poster, all author names and institutional affiliations. The poster to be displayed must measure 120 cm in height and 90 cm in width. No further formatting required.

Publication Information

All papers accepted by ISAPE2026 will be downloaded to a USB drive, which will be distributed to attendees along with other conference materials at registration.

All accepted papers will be submitted for inclusion in IEEE Xplore, subject to meeting IEEE Xplore’s scope and quality requirements. Previous ISAPE conference papers were indexed by EI.

Please log in to the submission system before October 30, click on "IEEE Copyright," and complete and submit the ISAPE electronic copyright form.

Please verify your final PDF paper using the IEEE PDF eXpress tool (Conference ID: 71146X) via the following URL—https://ieee-pdf-express.org/—before October 30, and then upload the verified final paper to the submission system.

Both submission of electronic copyright documentation and PDF validation are mandatory requirements. Failure to fulfill either of these requirements will result in the manuscript being unable to be indexed by the IEEE Xplore database.

For further information, please contact hexinbo@xidian.edu.cn

会议地点

第十五届天线、传播和电磁理论研讨会（ISAPE2026）将于2026年10月22日至25日在洲至奢选海口亚特酒店（海南省海口市秀英区长滨一路7号）举行。

注册报到事项

ISAPE2026 现场注册报到将于2026 年 10 月 22 日（周四）正式开启，报到处支持线上注册缴费，会议全程均可在注册处办理现场注册。为减少现场排队等候，强烈建议优先完成线上提前注册。
https://meet.cie.org.cn/exh/register/registerexh?fair_id=917&business_role_id=Audience提前注册。详情请参见https://www.rpsoc.cn/isape2026/index.php/site/singlePage/50

报到时间、地点：10月22日下午13:00-21:00， 10月23日、24日09:00-20:00，10月25日09:00-12:00，海南省海口市秀英区长滨一路7号洲至奢选海口亚特酒店大堂。

注册费

		提前注册并缴费 (2026年10月15日前)	正常注册并缴费 (2026年10月16日-25日)	到会交流文章数
学生参会者		2500 RMB 370 USD	3400 RMB 500 USD	1篇
其他参会者	电子学会会员/ IEEE会员	3200 RMB 470USD	4000 RMB 600 USD	1-2篇
	非电子学会会员/ 非 IEEE 会员	3800 RMB 570 USD	4700 RMB 700 USD	1-2篇

中国境内参会者线上注册缴费可以参考下面链接: https://uia.cie.org.cn/login 。手机注册请使用微信扫描下面二维码， 依照系统要求填报信息后完成会议注册。

所有参会者，包括报告人、分会场主席、组委会成员均需注册参会。只有完成注册和会议交流的论文才能被提交到IEEE。学生参会者现场注册需要提供有效的学生证。

对于所有参会者，如果已预先注册，会议报到时凭注册二维码（或手机号）进行签到，直接可在报到注册台领取参会名牌和程序册等会议资料。现场注册采取网上注册缴费并签到方式。

视听设备

各分会场报告厅均配备：公用电脑、麦克风、激光笔和投影仪。如有特殊接口需求（如Mac转接），请自备转接头。

会议语言

本次会议统一使用英文。

报告指南

演讲者须知

演讲者需在其所在分会场报告开始前至少15分钟到达会场。每个分会场将配备一台电脑和一台投影仪。每位演讲者须使用会场提供的电脑进行演讲，并且演讲PPT必须提前拷贝到每个会议室的电脑中。由于演讲者自身原因导致的任何延迟，时长将从演讲时间中扣除。

建议每位演讲者提前在分会场电脑中对其演讲文件进行一次试演，以查看格式、特殊符号、演讲时长和动画等是否存在问题。除特邀报告外，所有口头演讲限时15分钟，包括提问和讨论时间（特邀报告为20或25分钟）。分会场主席将在每位演讲者的演讲还剩5分钟时予以提醒。

每个会议室的电脑都配备有一个USB端口。操作系统采用微软Windows10（或更高版本）。每台电脑上运行的软件包有 Adobe Acrobat Reader（用于 PDF）、MathType 和 Microsoft Office(包括 Word、Excel 和 PowerPoint)。所有演讲文件必须与这些软件包兼容。在报到注册处可获得相应的信息、协助和帮助。

提醒参会人员，由于演讲数量非常多且日程安排紧凑，请提前将您的演讲文件拷贝到您所在分会场电脑中。

海报展示环节须知

演讲者在其所在海报分会场开始前20分钟张贴好海报。每个常规海报展示时间详见程序册。在茶歇时间，演讲者必须站在展示板旁边回答问题并讨论海报的内容。所有参加海报展示环节的参会人员需在展示结束后取走海报，未取走的海报将由会议工作人员处理。

海报展示应包括题目、研究目的、用于解决问题或开发计算机程序的方法、主要发现或结果及其重要性结论。同时，给出所有作者的姓名和所属机构。海报需要具有逻辑流畅的思路和概念——引言、发展和结论。

海报设计要求：主标建议控制在74cm*11cm范围内，主标应包括海报的标题(高度在3cm左右)、所有作者的姓名和所属机构。展示的海报尺寸要求为高120cm、宽90cm。其他格式不做要求。海口当地制作海报请联系18976371106。

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ISAPE2026接收的所有论文将会拷贝到会议资料袋中的U盘里。报到注册台将会把U盘与其他会议材料一并分发给参会人员。

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论文出版未尽事宜请联系：何老师，hexinbo@xidian.edu.cn

Hotel Reservation/会议酒店预定信息

1、洲至奢选海口亚特酒店（海口市秀英区长滨一路 7 号）

会议协议价格为400元单早，450元双早

Haikou Yatter Hotel, Vignette Collection
Please send your check-in/check-out date, full name, nationality and room type(double beds/ king size) to the email address below via email reservation.haikou@vc-yatterhotel.com
Conference negotiated rate: RMB 400 per night, including 1 breakfast, RMB 450 per night, including 2 breakfasts .

2、海口中改院国际学术交流中心酒店

订房联系人：田野 186 0892 6281

会议协议价：350元含早

距离会议酒店610米，步行约10分钟

CIRD International Center for Academic Exchanges
Booking Contact: Ye Tian, Mobile: +86 186 0892 6281
Conference negotiated rate: RMB 350 per night, including breakfast
It is 610 meters away from the conference hotel, a 10-minute walk

Sales email of the Exchange Center of the China Institute for Reform and Development: 249354260@qq.com

3、海口西海岸诺富特酒店

订房联系人：徐梦醒 187 8964 6760

会议协议价：350元含早

酒店地址：海南省海口市秀英区长滨西四街10号广粤锦泰北门

酒店电话：0898-66183777

距离会议酒店1.3公里，步行约20分钟

Novotel Haikou West Coast
Booking Contact: Mengxing Xu , Mobile: +86 187 8964 6760
Conference negotiated rate: RMB 350 per night, including breakfast
It is 1.3 kilometers away from the conference hotel, a 20-minute walk

Novotel hotel sales email: 915434549@qq.com

4、维也纳国际酒店&美豪丽致(海口西海岸国际会展中心店)

订房联系人：刘秋艳151 2066 9003

会议协议价：350元含早

酒店地址：海南省海口市秀英区西海岸长滨三路6号

酒店电话：0898-66183777

距离会议酒店1.5公里，步行约23分钟

Vienna International Hotel & Meihao Lizhi (Haikou West Coast International Convention & Exhibition Center Branch)
Contact for reservation: Liu Qiuyan, +86-15120669003
Conference negotiated rate: CNY 350 including breakfast
Address: No.6 Changbin 3rd Road, West Coast, Xiuying District, Haikou City, Hainan Province, China
Hotel tel.: +86-898-66183777
It is 1.5 km from the main conference venue, approx. 23 minutes on foot.

Transportation/交通信息

Haikou East Railway Station

Taxi: 21 kilometers away from the hotel cluster, taxi fee is around 30 RMB and it will take about 30-35 min.
Bus: Take Bus No.86 and get off at North Gate of Municipal Government Station, 14 minutes' walk to hotel cluster. It will take about 70 min.

海口东站

①出租车：出站口距离酒店群21公里，预计时间30-35分钟，预计乘车费用30元。

②公交车：出站口，乘坐86路至市政府北门站下车，步行14分钟抵达酒店群，预计时间70分钟。



Haikou Station

Taxi: 7 kilometers away from the hotel cluster, taxi fee is around 20 RMB and it will take about 15-20 min.
Bus: Take Bus G37 (direction: Yuchengcun Village Bus Terminal) and get off at North Gate of Municipal Public Security Bureau Station (13 stops), 14 minutes' walk to hotel cluster. It will take about 40 min.

海口站

①出租车：出站口距离酒店群7公里，预计时间15-20分钟，预计乘车费用20元。

②公交车：出站口，乘坐G37路（玉成村公交总站方向）至市公安局北门站下车（途径13站），步行14分钟抵达酒店群，预计时间40分钟。



Haikou Meilan International Airport

Taxi: 38 kilometers away from the hotel cluster, taxi fee is around 50 RMB and it will take about 40-50 min.
Bus: Take Airport Bus Route 3 and get off at North Gate of Municipal Government Station, 14 minutes' walk to hotel cluster. It will take about 120 min.

海口美兰国际机场

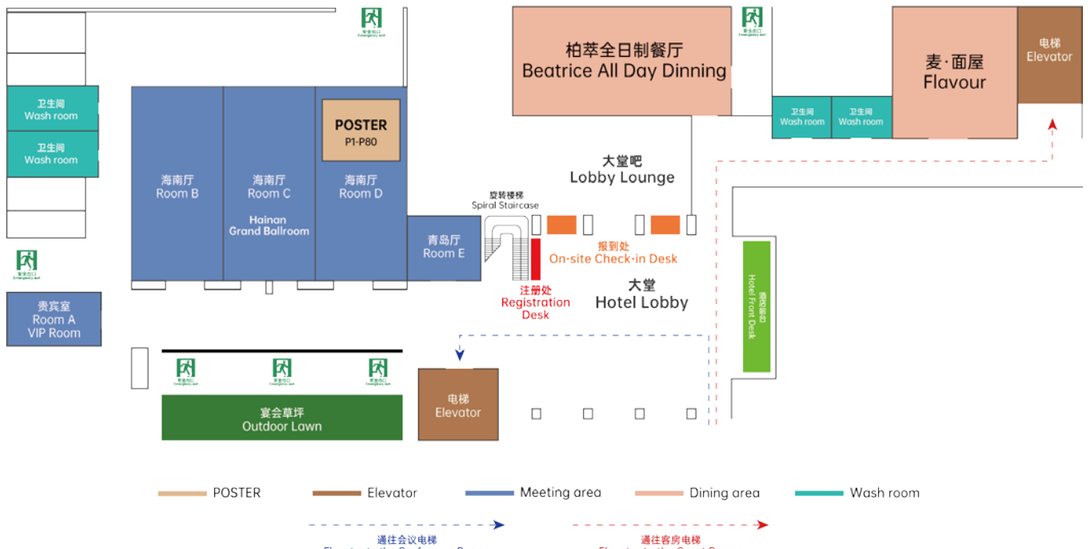
①出租车：距离酒店群38公里，预计时间40-50分钟，预计乘车费用50 元

②公交车：美兰机场T2航站楼，乘坐机场3路至市政府北门站下车，步行14分钟抵达酒店群，预计时间2小时。

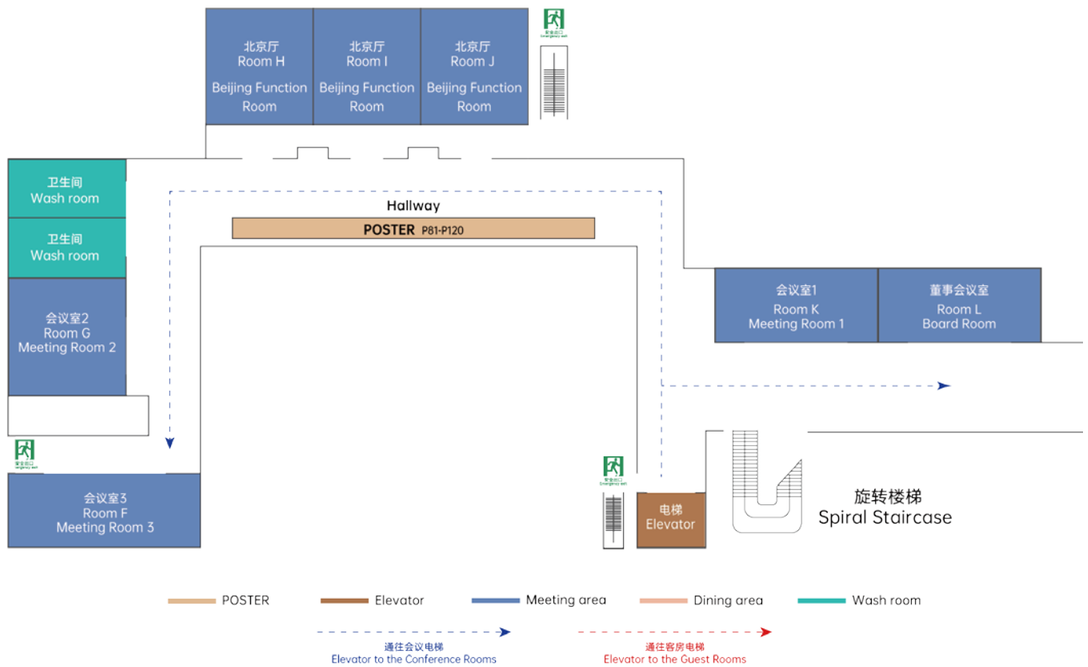


Conference Venue Floor Plan /会场平面图

1F/一层



2F/二层



3F/三层



Weather Information/气象信息

2026-10-23	2026-10-24	2026-10-25
26~31℃	25~32℃	24~33℃

03

Plenary Presentations

Journal WeChat Channels

CIE Bilibili

Plenary Presentation 1

Oct. 23 (Friday, Beijing Time), 09:00 – 09:30 am

Hainan Grand Ballroom

Multibeam Antennas Without BFN

Stefano Maci, University of Siena, Italy

IEEE Fellow, URSI Fellow, President of IEEE Antennas and Propagation Society in 2023

Abstract

Recent developments in gradient-index (GRIN) and metasurface-based antennas are enabling low-cost, compact, and highly directive multibeam solutions without the need for traditional beamforming networks (BFNs). By replacing complex RF feeding systems with passive spatial field control, these approaches provide substantial reductions in hardware complexity, size, and overall cost. This talk highlights efficient GRIN lens synthesis techniques tailored for multifocal and multibeam operation. A generalized design methodology—going beyond classical ray-based assumptions—enables accurate refractive-index profiles that maintain stable radiation characteristics over wide frequency ranges. Supported by a fast geometrical optics solver based on the Fast Sweeping Method, this approach allows the direct computation of spatial index distributions required to produce prescribed field patterns, enabling precise passive beam shaping and steering. In addition, we present several metasurface (MTS) antenna solutions based on both space-wave manipulation and surface-wave excitation by multiple point sources. These planar architectures employ engineered impedance or phase profiles to efficiently transform guided or incident waves into multiple directive free-space beams, entirely without BFNs. The proposed MTS antennas are inherently thin, low-profile, and compatible with low-cost fabrication techniques. Overall, the talk presents a comprehensive set of MTS antenna solutions spanning multiple architectures and operating over large frequency ranges, demonstrating the versatility and effectiveness of GRIN and metasurface concepts for next-generation multibeam antenna systems

Biography



Stefano Maci is a Professor at the University of Siena (UNISI). Since 2000, he has been P.I. of 10 research projects funded by the European Union (EU) and by the European Space Agency (ESA). He is a Fellow of IEEE since 2004. In 2004 he founded the European School of Antennas (ESoA), a PhD school that presently comprises 35 courses on Antennas, Propagation, and Electromagnetic Theory, and 200 teachers, among them 20 IEEE Fellows. He graduated more than 40 PhD students. He has been former member of IEEE Antennas and Propagation Society (AP-S) AdCom, the Chair of the Award Committee of the IEEE AP-S, member of the AP Executive Board of IET (UK), Distinguished Lecturer of IEEE and of EurAAP. He was recipient of several prizes and awards, among which the EurAAP Award 2014, the Chen-To Tai Distinguished Educator award 2016, of the Shelkunoff Transaction Prize in 2015, and of the URSI Dellinger Gold Medal in 2020. He is presently Director of ESoA. He has been TPC Chair of the METAMATERIAL 2020 and General Chair of EuCAP 2023. He was the president of the IEEE Antennas and Propagation Society 2023. In the last ten years he has been invited 60 times as key-note speaker in international conferences. His research activity is documented in 200 papers published in international journals, (among which 100 on IEEE journals), 10 book chapters, and about 450 papers in proceedings of international conferences.

Plenary Presentation 2

Oct. 23 (Friday, Beijing Time), 09:30 – 10:00 am
Hainan Grand Ballroom

Metamaterials in Electromagnetics

Ari Sihvola, Aalto University, Finland
IEEE Fellow, URSI Fellow, President of the International Union of Radio Science — URSI

Abstract

One of the game-changing directions of research in electromagnetics engineering in the present century is the field of metamaterials. This new paradigm does focus not only on the volumetric material level but also designs like metasurfaces, metadevices, and metasystems have been introduced and developed in the present-day engineering research. Furthermore, metamaterials are no longer a privilege of electrical engineering: there exists a large amount of scientific literature about acoustic, thermal, and mechanical metamaterials, to name some of the fields in which this new approach to look at materials and systems has penetrated.

However, one may raise the question whether this approach is new and novel. By metamaterials one usually refers to man-made, carefully designed composite structures whose geometrical arrangements and material properties of the elements create novel properties on a macroscopic level, such properties that are not present in the constitutive materials that compose the continuum. Hence the analysis of metamaterial properties can be seen as a homogenization process. From this point of view, metamaterials are not a totally new innovation of the present century but they can be seen as continuation of research on heterogeneous and complex (even random) materials in which new phenomena may appear, like anisotropy, non-reciprocity, optical activity, dispersive effects, etc. In the presentation, I will take a historical view on the development of metamaterials research and illuminate the richness of the wider field of complex media electromagnetics.

Biography



Ari Sihvola received the degree of Doctor of Technology in 1987 from the Helsinki University of Technology (TKK), Finland (presently Aalto University). Besides working for TKK, Aalto, and the Academy of Finland, he was visiting engineer in the Research Laboratory of Electronics of the Massachusetts Institute of Technology, Cambridge, in 1985–1986. In 1990–1991, he worked as a visiting scientist at the Pennsylvania State University, State College. In 1996, he was visiting scientist at the Lund University, Sweden. He was visiting professor at the Electromagnetics and Acoustics Laboratory of the Swiss Federal Institute of Technology, Lausanne (academic year 2000–01), in the University of Paris 11, in Orsay (June 2008), and in the University of Rome La Sapienza (May–June 2015).His research interests include waves and fields in electromagnetics, modeling of complex media and metamaterials, remote sensing, education in physics and engineering, and history of electrical engineering. He is presently professor in the School of Electrical Engineering at the Aalto University. Ari Sihvola is President of the International Union of Radio Science (URSI) and Life Fellow of IEEE.

Plenary Presentation 3

Oct. 23 (Friday, Beijing Time), 10:30 – 11:00 am
Hainan Grand Ballroom

Regional Cooperation on Ionospheric Observation and Modeling: the APSCO Approach

Dr. Hui Jiang, Secretary-General of Asia-Pacific Space Cooperation Organization (APSCO), China

Abstract

The ionosphere plays a critical role in radio wave propagation and directly affects a wide range of space-based and ground-based systems, including satellite navigation, communication, radar, and space weather applications. Understanding its dynamic behavior requires sustained observations, multi-source data integration, and close cooperation across different geographic regions.

As an intergovernmental organization dedicated to promoting multilateral space cooperation in the Asia-Pacific region, the Asia-Pacific Space Cooperation Organization (APSCO) has been facilitating joint scientific research, infrastructure development, data sharing, and capacity building among its Member States. One of its major initiatives in this field is the Research on Atmospheric Effects on Ionospheric Modelling through Study of Radio Wave Propagation and Solar Activity Project, which aims to enhance regional capabilities in ionospheric observation, analysis, and modeling.

Through this project, APSCO Member States have worked toward establishing a regional ionospheric observation network capable of providing multi-parametric measurements, integrating available ionospheric and solar activity data, assessing existing ionospheric models, and exploring approaches for improving regional modeling performance. The project also provides a platform for technical exchange, personnel training, and the sharing of scientific data and experience among participating countries.

This keynote will introduce APSCO's role and cooperation framework, present the objectives and implementation approach of the ionospheric modeling project, and highlight the importance of coordinated regional observations for understanding ionospheric variability and its impacts on radio systems. It will also discuss future opportunities for strengthening data sharing, joint research, model validation, and capacity building in the Asia-Pacific region.
Through continued cooperation among Member States and broader engagement with the international scientific community, APSCO seeks to contribute to a more comprehensive understanding of the ionospheric environment and to support the reliable application of navigation, communication, radar, and other radio-based systems.

Biography



Dr. Jiang Hui, Senior Engineer and Doctor of Economics, has served as Secretary-General of the Asia-Pacific Space Cooperation Organization (APSCO) since 21 February 2025.
Dr. Jiang previously served as Counsellor at the Embassy of the People's Republic of China in the Russian Federation, concurrently acting as China's Space Representative to Russia (August 2022 – February 2025); and as Division Director, Department of International Cooperation, China National Space Administration (CNSA) (February 2011 – July 2022).
Dr. Jiang has made significant contributions to international space cooperation. She has actively advanced bilateral space collaboration with countries including Russia, Pakistan, Indonesia, Malaysia, Argentina, Algeria, Brazil, Peru, and Saudi Arabia, and facilitated the establishment of relevant cooperation mechanisms.
She also coordinated several key multilateral cooperation projects, including the BRICS Remote Sensing Satellite Constellation and the International Lunar Research Station (ILRS) project.
Under the framework of the United Nations Committee on the Peaceful Uses of Outer Space (UNCOPUOS), she led the Chinese delegation throughout the consultations on the Guidelines for the Long-Term Sustainability of Outer Space Activities (LTS), and served as Co-Chair of the Action Team on Global Partnership in Space Exploration and Innovation under the UNISPACE+50 framework.
Furthermore, Dr. Jiang possesses extensive practical experience in space product import and export management in China and has actively promoted the development of domestic space-related regulations and institutional mechanisms.

Plenary Presentation 4

Oct. 23 (Friday, Beijing Time), 11:00 – 11:30 am
Hainan Grand Ballroom

6G/B6G 3D Continuous-Space Radio Channel Modeling Enabled by Electromagnetic Information Theory

Cheng-Xiang Wang, Vice President, Southeast University, China
Member of the Academia Europaea, IEEE Fellow

Abstract
Future 6G and beyond 6G (B6G) wireless systems are expected to provide space-air-ground-sea global coverage. Base stations and users tend to move in three dimensional (3D) continuous spaces, while antennas and propagation environments can be deeply coupled. This introduces new challenges for 3D continuous-space radio channel measurements and modeling. This keynote will first introduce the basic concept of electromagnetic information theory (EIT), which integrates electromagnetic theory, information theory, wireless propagation channel modeling theory, and antenna theory. Then, an EIT enabled 3D continuous-space radio channel model is proposed. Statistical properties and capacities of conventional discrete-space channel models and the proposed continuous-space radio channel model will be compared against channel measurements, demonstrating the advantages of the proposed channel model. Moreover, methods of constructing wireless channel maps and digital twin online channel models for 6G/B6G system design will be illustrated. Finally, future challenges and research directions will be discussed.

Biography



Cheng-Xiang Wang has been with Southeast University, Nanjing, China, as a professor since 2018, and he is now a Vice President. He worked as the Dean of the School of Information Science and Engineering, Southeast University from 2020 to 2026. He was with Heriot-Watt University, Edinburgh, U.K., from 2005 to 2018, where he was promoted to a professor in 2011. He is also a professor with Purple Mountain Laboratories, Nanjing, China. He has co-authored 5 books and over 380 journal papers. He has been granted over 50 invention patents, including 4 U.S. patents. He has also delivered 42 invited keynote speeches and 24 tutorials in international conferences. His current research interests include wireless channel measurements and modeling, 6G/B6G intelligent wireless networks, and electromagnetic information theory.

Dr. Wang is a Member of the Academia Europaea (The Academy of Europe), a Member of the European Academy of Sciences and Arts (EASA), a Fellow of the Royal Society of Edinburgh (FRSE), IEEE, and IET, an IEEE Communications Society Distinguished Lecturer in 2019 and 2020, and a Highly-Cited Researcher recognized by Clarivate Analytics. He was an Executive Editorial Committee Member of the IEEE Transactions on Wireless Communications from 2019 to 2025. He has served as an Editor for over 16 international journals. He has served as a TPC Chair and General Chair for more than 30 international conferences. He received IEEE Neal Shepherd Memorial Best Propagation Paper Award in 2024 and 2026. He also received 21 Best Paper Awards from international conferences.

Plenary Presentation 5

Oct. 23 (Friday, Beijing Time), 11:30 – 12:00 am
Hainan Grand Ballroom

Engineering Periodic Surfaces: Theory, Fabrication, and Future Directions

Ioannis (Yiannis) Vardaxoglou, South China University of Technology
Fellow of Royal Academy of Engineering, UK
IEEE Fellow

Abstract
Surfaces of periodic arrays have evolved from spectral filters into powerful platforms for high-gain and adaptive antennas. This keynote will revisit the foundational principles of Frequency Selective Surfaces (FSS) and Partial Reflective Surfaces (PRS), outlining how their geometric periodicity, impedance control, and dispersion properties led to transformative advances in reflector and low-profile resonant cavity antennas. Classical PRS implementations, enhanced with Artificial Magnetic Conductor (AMC) boundaries and sub-wavelength cavity engineering, enabled order-of-magnitude gain improvements and compact form factors suitable for satellites, base-stations, and emerging 5G/6G infrastructure.

The talk then transitions to next-generation surfaces: impedance-tunable PRS, architecture, and programmable metasurfaces capable of real-time beam shaping, coverage tailoring, and adaptive interference mitigation — traditionally achievable only with phased arrays. Emphasis will be placed on surface impedance synthesis, geometric phase techniques, and non-uniform lattice engineering for wide-angle scanning and broadband stability.

Recent breakthroughs in fabrication will be highlighted, including multi-material additive manufacturing for 3D meta-atoms, gradient-index volumetric inclusions, and bistable auxetic architectures that enable mechanically reconfigurable electromagnetic responses. These developments point toward surfaces that are not only electrically adaptive but structurally tunable, merging mechanics with electromagnetics for wearable, aerospace, biomedical, and in-situ smart environments.

The keynote concludes with open challenges and research pathways that will define the next decade, including loss-aware metasurface scaling, AI-assisted topology synthesis, and integrated packaging for commercially viable adaptive beam control systems.

Biography



Professor Yiannis Vardaxoglou FREng, FIET, Life FIEEE is Academic Dean of the Microelectronics School at South China University of Technology and Emeritus Professor at Loughborough University, UK, and served as Dean of Electronic, Electrical and Systems Engineering from 2006 to 2012. He is also advisor for foreign affairs to the president of SCUT. He founded the Wireless Communications Research (WiCR) Group and the Centre for Mobile Communications Research. He led the EPSRC SYMETA Grand Challenge on 3D metamaterials for RF, microwave, and THz applications, and has pioneered research in additive manufacturing for advanced wireless systems.

He has published 500+ papers, held six patents, and secured 18 EPSRC grants alongside significant industry funding. He has chaired major international conferences including EuCAP 2007, founded the Loughborough Antennas & Propagation Conference (LAPC), and served in leadership roles within the IET and IEEE Antennas and Propagation communities. His work continues to shape the future of RF engineering, antenna design, and metamaterial technologies.

Plenary Presentation 6

Oct. 24 (Saturday, Beijing Time), 09:00 – 09:30 am
Hainan Grand Ballroom

ME Dipoles for High-Gain Antenna Designs

Kwai Man Luk, City University of Hong Kong
Fellow of Royal Academy of Engineering, UK
Life Fellow of the IEEE

Abstract
The magnetoelectric (ME) dipole antenna is a new class of wideband radiating element that was significantly developed over the past two decades. The presenter is renowned for his pioneering work on antenna designs and has continuously developed the ME dipoles since 2006. The antenna has been applied for mobile communications, global positioning, sensing, radars, medical imaging, Internet-of-Things, and wireless power transfer, demonstrating the versatility and interdisciplinarity of this antenna structure. In this talk, recent new development trends of the antenna for designing reconfigurable wideband reflectarrays, transmitarrays, low sidelobe arrays, and leaky-wave antennas arrays, operating at millimeter-waves will be reviewed and possible new developments will be shared.

Biography



Kwai Man Luk is the Senior Vice-President of the Hong Kong Academy of Engineering and a Chair Professor of Electronic Engineering at City University of Hong Kong. His major interest is in conducting antenna research and education and is currently the project leader of a large Area-of-Excellence Project entitled: “Advanced Antenna Technology for a Smart World”. He is the author of the monograph entitled: “Magnetoelectric Dipole Antennas” by Cambridge University Press. He is a Deputy Editor-in-Chief of PIERS journals. He is a Life Fellow of the IEEE, and an elected Fellow of the Hong Kong Academy of Engineering, Royal Academy of Engineering, and the EM Academy. He won many accolades, including the 2017 IEEE APS John Kraus Antenna Award, 2019 Ho Leung Ho Li Science and Technology Prize, 2022 Guanghua Engineering Prize, and the 2025 IEEE APS Chen-To Tai Distinguished Educator Award.

Plenary Presentation 7

Oct. 24 (Saturday, Beijing Time), 09:30 – 10:00 am
Hainan Grand Ballroom

Emerging Antenna Technologies for Cancer Thermal Therapy

Koichi Ito, Chiba University, Japan
IEEE Fellow, URSI Fellow, President of IEEE Antennas and Propagation Society in 2019

Abstract
RF and microwave antenna technologies have greatly contributed to the advancement of cancer thermal therapy including hyperthermia and ablation which utilize the thermal effect of electromagnetic fields generated by heating antennas placed on or in the human body.

Hyperthermia basically exploits the difference of thermal sensitivity between tumors and normal tissues. The target tumor is usually heated up to the range 42-45 °C resulting in less damage to the surrounding normal tissues. For external heating, sophisticated phased array antennas have been developed and employed. For internal heating, an array of well-designed thin antennas is directly inserted into the tumor. Ablation has been applied mainly for treatment of small-sized tumors. A thin antenna is directly inserted into the tumor to heat well over 60 °C and its treatment time is usually around a few minutes, much shorter than hyperthermia treatment.

Image-guided thermal therapies have been developed and employed to further improve QOL (quality of life) of patients and to ease an operation for medical doctors. A magnetic resonance (MR) guided system has been introduced as a promising tool, although the cost is still rather high. A typical example is an MR-guided annular phased array which can produce therapeutic temperatures at any depth in the human body and visualize real-time 3D temperature mapping.

It is difficult to use real human bodies for experimental evaluation of antenna performances. Instead, computer simulation is usually performed with digital human-body models. However, experiments with physical human-body phantoms are indispensable to validate numerical simulations and to minimize animal experiments.

Finally, a couple of further compelling challenges will be addressed at the end of the presentation including “theranostics” for cancer treatment that means a combination of therapeutics and diagnostics.

Biography



Koichi Ito received the Ph.D degree from Tokyo Institute of Technology, Japan. He is currently a Professor Emeritus and Visiting Professor at the Center for Frontier Medical Engineering (CFME), Chiba University, Japan. He served as Deputy Vice-President for Research and Director of the CFME, Chiba University. His main research interests include antennas for medical applications, small antennas for mobile communications, research on evaluation of the interaction between electromagnetic fields and a human body by use of phantoms, and antenna systems for body-centric wireless communications. Dr. Ito is a Life Fellow of IEEE, a Fellow of URSI, a Fellow of IEICE, Japan, and an Honorary Member of the Japanese Society for Thermal Medicine (JSTM). He is the recipient of the 2020 Balthasar van der Pol Gold Medal from URSI. He served as an Associate Editor for the IEEE Transactions on Antennas and Propagation, an AdCom member for the IEEE AP-S, a Distinguished Lecturer for the IEEE AP-S, a BoD member for the Bioelectromagnetics Society, General Chair of ISAP2012, an elected Delegate to the European Association on Antennas and Propagation, an Editor for the International Journal of Hyperthermia, a Vice-President of JSTM, Chair of URSI Commission K, and IEEE AP-S President for 2019. He currently serves as the inaugural Chair of the IEEE AP-S Technical Directions Committee.

Plenary Presentation 8

Oct. 24 (Saturday, Beijing Time), 10:00 – 10:30 am

Hainan Grand Ballroom

Multipole Engineering – in Space and in Time

Richard W. Ziolkowski, The University of Arizona, USA

IEEE Fellow, President of IEEE Antennas and Propagation Society in 2005 IEEE Distinguished Lecturer

Abstract

Highly directive antenna systems are being sought to address the perceived needs of FutureG wireless systems and their applications. Practical alternatives to complex, power-hungry phased arrays are truly desired. A potential approach is to develop and employ compact superdirective systems.

The concept of “needle” radiation and the accompanying abstraction of superdirectivity was introduced by Oseen in the physics community over 100 years ago. Numerous applied electromagnetics (EM) papers then followed over the last half of the last century that discussed the interesting attributes of unlimited directivity, i.e., superdirectivity, from arbitrarily small source regions and arrays. Those original theoretical notions of superdirectivity have been confirmed recently with explicit solutions of Maxwell’s equations based upon vector spherical wave expansion analyses. These solutions, the physics they have revealed, and the associated implications for achieving superdirective systems will be discussed.

The multipole engineering paradigm that has evolved from them equips us with several practical approaches to realizing both superdirective broadside-radiating and endfire-radiating systems. They include unidirectional mixed-multipole antennas (MMAs) based on combinations of electric and magnetic near-field resonant parasitic (NFRP) elements that radiate multipole fields when they are excited by simple driven dipoles. Another strategy is to employ a sector of a uniform circular array (UCA) of Huygens dipole antennas (HDAs) that are excited with custom-designed amplitudes to radiate mixtures of azimuthal multipoles. Yet another technique exploits MMAs with independently-driven electric and magnetic dipole elements to excite their counterpart electric and magnetic multipoles within a multilayered spherical dielectric lens and to then engineer the combination of their radiated fields into unidirectional superdirective beams.

While these unidirectional systems have been developed in the frequency domain, current investigations of their time domain analogues will be described. Significant technical nuances arise when EM radiators are pulse-excited rather than CW-excited. They will be reviewed briefly and then exploited to explain the performance characteristics of a pulse-driven HDA in its near, mid-range, and far field regions. Understanding these time-domain fields everywhere in space is essential for both near-field and far-field sensing and communication applications. Ultrafast (hence, UWB) zero-area pulses (ZAPs) will be highlighted; they lead to superior energy (hence, information) transference.

Biography



Richard W. Ziolkowski received the B.Sc. (magna cum laude) degree (Hons.) in physics from Brown University, Providence, RI, USA, in 1974; the M.S. and Ph.D. degrees in physics from the University of Illinois at Urbana-Champaign, Urbana, IL, USA, in 1975 and 1980, respectively; and an Honorary Doctorate degree from the Technical University of Denmark (DTU), Kongens Lyngby, Denmark in 2012.

He is currently a Professor Emeritus with the Department of Electrical and Computer Engineering at The University of Arizona, Tucson, AZ, USA. He was a Litton Industries John M. Leonis Distinguished Professor in the College of Engineering and was also a Professor in the College of Optical Sciences until his retirement in 2018. He was also a Distinguished Professor in the Global Big Data Technologies Centre in the Faculty of Engineering and Information Technologies (FEIT) at the University of Technology Sydney, Ultimo NSW Australia from 2016 until 2023. He was the Computational Electronics and Electromagnetics Thrust Area Leader with the Engineering Research Division of the Lawrence Livermore National Laboratory before joining The University of Arizona in 1990.

Prof. Ziolkowski was the recipient of the 2019 IEEE Electromagnetics Award (IEEE Technical Field Award). He is an IEEE Life Fellow, as well as a Fellow of OPTICA (previously the Optical Society of America, OSA) and the American Physical Society (APS). He was the 2014-2015 Fulbright Distinguished Chair in Advanced Science and Technology (sponsored by DSTO, the Australian Defence Science and Technology Organisation). He served as the President of the IEEE Antennas and Propagation Society (AP-S) in 2005 and has had many other AP-S leadership roles. He is also actively involved with the URSI (International Union of Radio Science) Commission B and the European Association on Antennas and Propagation (EurAAP). He is the co-Editor of the best-selling 2006 IEEE-Wiley book, Metamaterials: Physics and Engineering Explorations, as well as the co-author and co-Editor, respectively, of the recent Wiley-IEEE books: Advanced Antenna Array Engineering for 6G and Beyond Wireless Communications (2022) and Antenna and Array Technologies for Future Wireless Ecosystems (2022).

Plenary Presentation 9

Oct. 24 (Saturday, Beijing Time), 11:00 – 11:30 am
Hainan Grand Ballroom

Solutions to Butler Matrix Limitations

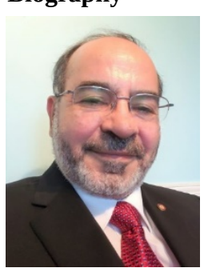
Ahmed A. Kishk, Concordia University, Montreal, Canada
IEEE Fellow, President of IEEE Antennas and Propagation Society in 2017

Abstract

The talk presents a quick review of the analog beamforming network based on the Butler Matrix (BM). BM components are usually hybrid couplers, phase shifters, and crossovers. Basic BM provides beams equal to the number of input ports, with an order of 2N × 2N, meaning the number of beam ports is 2N, which equals the antenna ports. Therefore, BM is of order M x M. Due to orthogonality, all beams can be simultaneously formed into a multibeam system. Basic BM provides one-plane scanning, except for the 4 x 4 BM, which can be used for a 2x2 planar array that provides four beams in two different planes. For 2D scanning, two stacks of conventional BMs are cascaded in an orthogonal configuration, with each stack responsible for one scanning plane. Such an arrangement provides 2D scanning capabilities, but it is bulky and complicated. As BM orders increase, the number of components increases significantly. Therefore, in this talk, we will present solutions for the limited number of beams and the bulky structure of the BM for 1D and 2D scanning. A proposed solution for a compact BM using multilayers is also presented.

In the first subject, a scheme to extend the BM's beam count by using reconfigurable couplers is presented and experimentally verified. The beam count of a traditional 2N × 2N BM is increased to 3·2N by replacing all hybrids with reconfigurable couplers, while maintaining the original structure and other components. Moreover, only N distinct parameter sets are required for these couplers. The principle, properties, and generalized expressions for the N sets of parameters are discussed and exhibited. The properties of the extended beams are illustrated in terms of beam directions and crossover levels. As an example, a switchable 12-beam forming network based on a 4 × 4 Butler matrix for 2.4 GHz applications is fabricated and tested. Over a 30% relative bandwidth, phase errors are less than ±12°, amplitude unbalances are lower than ±1.7 dB, isolation is better than -15.5 dB, and return loss is better than 11.5 dB.
The second subject presents the principles and design methods of two novel devices: the two-dimensional Butler matrix (2D-BM) and the phase-shifter group. The 2D-BM has 2M+N × 2M+N configurations that can be built from the traditional 2M×2M and 2N×2N BMs, and all output ports can be arranged in a parallelogram configuration to fit the planar array. The main features of traditional BMs, such as perfect matching, lossless transmission, spatially orthogonal beams, and equal-power division, can be entirely retained in 2D BMs. As an integral component of 2D-BMs, phase-shifter groups are employed to provide more than two distinct phase delays along various paths without reference lines. The design procedure of the 2D-BM and the analytical solution of the phase-shifter group are discussed and illustrated. As experimental verification, a 2D-BM with a 16 × 16 configuration feeding a 4 × 4 square array for 2.4 GHz applications is fabricated and tested. Satisfactory performance in matching, isolation, equal-power division, and progressive phase differences across all ports is observed over a 17% relative bandwidth.

Biography



Ahmed A. Kishk received a BSc in Electronics and Communication Engineering from Cairo University, Cairo, Egypt, in 1977, and a BSc in Applied Mathematics from Ain Shams University, Cairo, Egypt, in 1980. In 1981, he joined the Department of Electrical Engineering at the University of Manitoba in Winnipeg, Canada, where he obtained his M.Eng. and Ph.D. degrees in 1983 and 1986, respectively. From 1977 to 1981, he served as a research assistant and instructor at the Faculty of Engineering, Cairo University. From 1981 to 1985, he was a research assistant in the Department of Electrical Engineering at the University of Manitoba. From December 1985 to August 1986, he was a research associate fellow in the same department. In 1986, he joined the Department of Electrical Engineering at the University of Mississippi as an assistant professor. He was on sabbatical leave at the Chalmers University of Technology, Sweden, during the 1994-1995 and 2009-2010 academic years. He was a Professor at the University of Mississippi (1995-2011). He was the director of the Center for Applied Electromagnetic System Research (CAESR) from 2010 to 2011. He has been a professor at Concordia University, Montréal, Québec, Canada (since 2011) and Tier 1 Canada Research Chair in Advanced Antenna Systems (2011-2025). He was an Associate Editor of Antennas & Propagation Society Newsletters from 1990 to 1993. He is a distinguished lecturer for the Antennas and Propagation Society (2013-2015). He was the Editor of Antennas & Propagation Magazine (1993-2014). He was a Co-editor of the special issue, “Advances in the Application of the Method of Moments to Electromagnetic Scattering Problems,” in the ACES Journal. He was also an editor of the ACES Journal in 1997. He was the Editor-in-Chief of the ACES Journal from 1990 to 2001. He was the chair of the Physics and Engineering Division of the Mississippi Academy of Science (2001-2002). He was a Guest Editor of the special issue on artificial magnetic conductors, soft/hard surfaces, and other complex surfaces in the IEEE Transactions on Antennas and Propagation, January 2005. He was a co-guest editor for IEEE Antennas and Propagation and IEEE Wireless Letters on the special cluster, “5G/6G enabling antenna systems and associated testing technologies.” He served on the technical program committees of several international conferences. He was a member of the AP-S AdCom (2013-2015). He was the 2017 AP-S president.

Prof. Kishk's research interest is broad in Electromagnetic Applications. He has recently worked on millimeter-wave antennas for 5G/6G applications, Analog beamforming networks, Electromagnetic Bandgap Structures, artificial magnetic conductors, soft and hard surfaces, phased array antennas, reflectarrays/transmitarrays, and wearable antennas. In addition, he is a pioneer in Dielectric resonator antennas, microstrip antennas, small antennas, microwave sensors, RFID antennas for readers and tags, Multi-function antennas, microwave circuits, and Feeds for Parabolic reflectors. He has published over 507 refereed journal articles, 570 international conference papers, and 125 local and regional conference papers. He co-authored four books and 13 chapters and served as the editor of eight books. He offered several short courses at international conferences. According to Google Scholar, his work has been cited over 39,378 times, with an H-index of 84 and an i10-index of 487. The bibliometric data used to estimate citation-based metrics were collected on February 2, 2026. Prof. Kishk was ranked first at Concordia University, 23rd in Canada, and 401st worldwide. ScholarGPS has placed Dr. Kishk in the top 0.05% of all scholars worldwide, with #231 in Electrical Engineering, #4 in Antennas, #5 in Dielectric, and #78 in Microwave.

Prof. Kishk and his students received several awards. He won the 1995 and 2006 Outstanding Paper Awards for papers published in the Journal of the Applied Computational Electromagnetics Society. He received the 1997 Outstanding Engineering Educator Award from the IEEE Memphis Section. He received the Outstanding Engineering Faculty Member of the Year in 1998 and 2009 and the Faculty Research Award for outstanding research performance in 2001 and 2005. He received the Distinguished Technical Communication Award from the IEEE Antennas and Propagation Magazine in 2001. He also received the Valued Contribution Award for an outstanding invited presentation, “EM Modeling of Surfaces with STOP or GO Characteristics – Artificial Magnetic Conductors and Soft and Hard Surfaces,” from the Applied Computational Electromagnetic Society. He received the Microwave Theory and Techniques Society Microwave Prize in 2004. He received the 2013 Chen-To-Tai Distinguished Educator Award from the IEEE Antennas and Propagation Society. In recognition, “For contributions and continuous improvements to teaching and research to prepare students for future careers in antennas and microwave circuits, Kishk is a Fellow of IEEE since 1998, Fellow of the Electromagnetic Academy, and a Fellow of the Applied Computational Electromagnetics Society (ACES). He is a Life Fellow of the IEEE and a member of several IEEE societies, including the Antennas and Propagation Society, Microwave Theory and Techniques Society, Electromagnetic Compatibility Society, Communications Society, and Vehicular Technology Society, as well as the Signal Processing Society. He is a Senior Member of the International Union of Radio Science, Commission B.

Plenary Presentation 10

Oct. 24 (Saturday, Beijing Time), 11:30 – 12:00 am
Hainan Grand Ballroom

On the Opportunities of Glide Symmetries for Antennas and Microwave Circuits

Oscar Quevedo-Teruel, KTH Royal Institute of Technology, Sweden
IEEE Fellow, IEEE Distinguished Lecturer (2019-2022)

Abstract

Glide symmetry appears widely in nature—from fossils, worms, and sea pens to something as simple as human footprints—and has long fascinated humans. One of its most notable early artistic representations is found in the Moorish tessellations of the Alhambra Palace in Granada, Spain, which later inspired the Dutch artist M. C. Escher and his mathematically rich works.

In electromagnetics, glide symmetry was first investigated in the 1960s and 1970s, revealing remarkable properties in periodic structures. However, research interest waned for several decades before being revived in 2015 through practical demonstrations relevant to modern microwave devices. These advances have enabled applications in 5G terrestrial communications, millimetre-wave satellite systems, and automated contactless measurement techniques.
In this presentation, Prof. Quevedo-Teruel reviews recent discoveries on glide-symmetric periodic structures, including widened stopbands, reduced dispersion, and enhanced anisotropy and magnetic response. He also highlights their application in practical devices such as filters, gap waveguide components, low-leakage flanges, compressed lenses, low-reflection transitions, and leaky-wave antennas.

Biography



Oscar Quevedo-Teruel received his Telecommunication Engineering and Ph.D. Degrees from Carlos III University of Madrid, Spain in 2005 and 2010. In 2014, he joined the KTH Royal Institute of Technology (Stockholm, Sweden), where he is presently a Full Professor in the Department of Communication Systems in the School of Electrical Engineering and Computer Science. He is also the responsible for the Antenna Laboratory and Director of the Master Programme in Electromagnetics Fusion and Space Engineering.

He was a distinguished lecturer of the IEEE Antennas and Propagation Society for the period of 2019-2022. He is an IEEE Fellow for his contributions to glide symmetry based metasurfaces and lens antennas. He has been a member of the EurAAP Board of Directors since January 2021. Since January 2022, he is presently the EurAAP vice-chair.
He was an Associate Editor of the IEEE Transactions on Antennas and Propagation since 2018-2022, and he acts as Track Editor in IEEE TAP since 2022. He is the founder and editor-in-chief of the EurAAP journal Reviews of Electromagnetics since 2020.
He has made scientific contributions to periodic structures with higher symmetries, lens antennas, metasurfaces, physical optics and ray tracing. He is the co-author of more than 160 papers in international journals and more than 250 at international conferences.

04
Tutorials

Journal WeChat Channels

Tutorial 1

Oct. 22 (Thursday, Beijing Time), 15:00 – 18:00 pm

Beijing Function Room, Room H

Computational Quantum Electromagnetics: Concepts, Equations, Methods, and Applications

Chairs:

Zhongxiang Shen (Beijing Institute of Technology)

Sheng Sun (University of Electronic Science and Technology of China)

Abstract

Quantum electromagnetics concerns the interaction between electromagnetic fields and matter when either the field, the material system, or both must be described quantum mechanically. This tutorial presents a unified and computation-oriented introduction to this rapidly developing field, covering its fundamental concepts, governing equations, numerical methods, and representative applications. We first organize field-matter interactions into four conceptual regimes according to whether the electromagnetic field and matter are treated classically or quantum mechanically. The classical-field/classical-matter regime corresponds to conventional computational electromagnetics, whereas a classical electromagnetic field interacting with quantum matter leads to semiclassical quantum electrodynamics. A quantized electromagnetic field interacting with macroscopic material media forms the basis of macroscopic quantum electrodynamics, while the fully quantum regime requires simultaneous treatment of quantized fields and microscopic quantum matter. This four-regime framework clarifies the assumptions, validity ranges, and connections among different quantum electromagnetic models. The first major part of the tutorial focuses on semiclassical quantum electromagnetics. Maxwell's equations are coupled to quantum dynamical equations, including the Schrödinger, density-matrix, optical Bloch, and Lindblad master equations. Numerical strategies for solving the resulting Maxwell-Bloch and Maxwell-Lindblad systems will be discussed, together with issues such as relaxation, decoherence, multilevel atomic structure, and self-consistent field-matter coupling. Rydberg-atom-based electromagnetic sensing is introduced as a representative application, illustrating how quantum coherence, electromagnetically induced transparency, Autler-Townes splitting, and atomic superheterodyne detection can be used to measure weak radio-frequency and microwave fields. The second major part addresses the quantization of Maxwell fields in vacuum, dispersive media, and lossy environments. Starting from canonical mode quantization and Green-tensor formulations, we introduce field operators, vacuum fluctuations, commutation relations, noise currents, and electromagnetic correlation functions. Particular attention is given to computational formulations that connect classical electromagnetic solvers with quantum observables. Applications include Casimir forces, spontaneous emission, Hong-Ou-Mandel-type interference, and quantum scattering by complex electromagnetic structures. By connecting semiclassical atomic sensing, macroscopic quantum electrodynamics, and computational electromagnetics within a common framework, this tutorial aims to provide participants with both the physical understanding and practical tools needed to model emerging quantum electromagnetic systems. It also highlights open challenges in multiscale modeling, lossy and nonlinear quantum media, and the integration of quantum optical models with modern numerical electromagnetic techniques.

Biography



Wei E.I. Sha (Fellow, IEEE) received the Ph.D. degree from Anhui University, Hefei, China, in 2008. From 2008 to 2017, he was with the Department of Electrical and Electronic Engineering at the University of Hong Kong, where he served as a Postdoctoral Research Fellow and later as a Research Assistant Professor. From 2018 to 2019, he was a Marie Skłodowska-Curie Individual Fellow at University College London, U.K. He is currently a Tenured Associate Professor with the College of Information Science and Electronic Engineering, Zhejiang University, Hangzhou, China, where he serves as the Deputy Director of the Institute of Electromagnetic Information and Electronic Integration. Dr. Sha has authored or co-authored two books, 12 book chapters, and over 230 peer-reviewed journal articles. His works have been cited over 14,119 times with an h-index of 63. His research interests include theoretical and applied electromagnetics, with a focus on computational electromagnetics, quantum electromagnetics, and electromagnetic information. Dr. Sha served as Associate Editor for the IEEE Journal on Multiscale and Multiphysics Computational Techniques, the IEEE Open Journal of Antennas and Propagation, and Electromagnetic Science. He received the ACES Technical Achievement Award in 2022, the Second Prize of Science and Technology Award of the China Institute of Communications in 2024, and the Second Prize for Science and Technology from the Anhui Provincial Government in 2015.

Tutorial 2

Oct. 22 (Thursday, Beijing Time), 15:00 – 18:00 pm

Beijing Function Room, Room J

Surface Electromagnetics：Theory and Engineering

Chairs:

Zhongxiang Shen (Beijing Institute of Technology)

Sheng Sun (University of Electronic Science and Technology of China)

CIE Bilibili

Abstract

From frequency selective surfaces to metasurfaces, novel electromagnetic surfaces have been emerging in both scientific exploration and engineering applications. Many intriguing phenomena occur on these surfaces, and novel devices and applications have been proposed accordingly, which have created an exciting paradigm in electromagnetics, the so-called "Surface Electromagnetics (SEM)". As a representative example, reconfigurable reflectarray and transmitarray emerge as a new generation of phased array antenna, which exhibit promising potential in communications, radars, imaging applications. This report will briefly introduce the development of surface electromagnetics, and then focus on novel phased array designs and engineering applications. Finally, the future development prospects of SEM will be discussed with participating experts and scholars.

Biography



Fan Yang is a Professor at Electronic Engineering Department, Tsinghua University, China, and a Fellow of IEEE. He received the B.S. and M.S. degrees from Tsinghua University, and the Ph.D. degree from University of California at Los Angeles. Prof. Yang's research interests include antennas, surface electromagnetics, computational electromagnetics, and applied electromagnetic systems. He has published six books, eight book chapters, and over 600 journal articles and conference papers. Dr. Yang served as an Associate Editor for IEEE Trans. Antennas Propagation (TAP), Associate Editor-in-Chief for Applied Computational Electromagnetics Society (ACES) Journal, and TPC Chair of 2014 IEEE AP-S International Symposium. He is a co-founder of Beijing Actenna Inc., which focuses on antenna hardware and system applications.

05

Special Sessions

2026-10-23 pm
Room A

SPECIAL Session: FP1A Advanced Antenna and Array for Satellite Communication Chairs: Zhe Chen (Shenzhen University) Kaixu Wang (Harbin Institute of Technology, Shenzhen) Xue Ren (Shenzhen University)	
14:00-14:20	A Heterogeneous Phased Array Antenna Enabling Wide-Angle Scanning while Maintaining Boresight Gain (invited) (#471)
	Xue Ren, Xinliang Zhang (Shenzhen University)
14:20-14:40	A Wideband Co-Linearly-Polarized ME Dipole Antenna (invited) (#477)
	Liangliang Zhao, Kwai-Man Luk (City University of Hong Kong)
14:40-14:55	A Reconfigurable STAR Array with Independent and Fully Continuous Controls of Phases and Transmission-Reflection Ratio (#613)
	Zhitao Du, Kaixu Wang (Harbin Institute of Technology)
14:55-15:10	A Dielectric Resonator Antenna with Circularly Polarized Isoflux Pattern (#234)
	Zhe Chen (Shenzhen University)
15:10-15:25	Dual-Band Shared-Aperture Beam-Scanning Metasurface Antenna for Microwave and Millimeter-Wave Applications (#624)
	Tianhang Zhang, Shuai Gao, Zhe Chen, Xue Ren (Shenzhen University)

2026-10-23 pm
Room A

SPECIAL Session: FP2A
Structured OAM Electromagnetic Waves and Antenna Array Innovations

Chairs:
Linjun Zhao (Shaanxi University of Technology)
Fan Qin (Xidian University)

16:00-16:20	Multidimensional Manipulation and Optimization of Electromagnetic Waves Toward 6G (invited)
	Fan Qin (Xidian University)
16:20-16:40	UCA-Based Ultra-High-Purity Vortex Beams Antenna Desgin (invited)
	Linjun Zhao, Hailin Zhang, Ping Zhang, Lei Wang, Tongtong Sun (Shaanxi University of Technology)
16:40-16:55	A Comparative Study of Co-Directional and Radial Circularly Polarized UCA Configurations for OAM Mode Manipulation (#215)
	Linjun Zhao, Tongtong Sun, Lei Wang (Shaanxi University of Technology)
16:55-17:10	Uniform Concentric Circular Array for Generating Broadband Low-Sidelobe OAM Beams (#230)
	Fan Qin, Zhengyang Wang, Yifeng Fan, Wenchi Cheng (Xidian University)
17:10-17:25	Generation of OAM Vortex Waves Using a Four-Layer Cascaded Transmissive Metasurface Based on Three-Variable Cooperative Regulation (#345)
	Sicheng Gao, Yongdiao Wen, Chi Zhang, Gang Li, Wenhui Hu, Tie Li (National Key Laboratory of Proximity Detection and Control)

2026-10-23 pm
Room B

SPECIAL Session: FP1B
Channel Measurement and Modeling at Millimeter-Wave and Terahertz Bands (Part I)

Chairs:
Chong Han (Shanghai Jiao Tong University)
Ke Guan (Beijing Jiaotong University)

14:00-14:25	Channel Measurements and Modeling for 6G cmWave and mmWave Cross-Band Communications (keynote)
	Chengxiang Wang (Southeast University)
14:25-14:40	Spatial Degrees of Freedom in Holographic MIMO: From Near–Far Field Boundaries to Spectrally Accurate Channel Modeling (invited)
	Shu Sun (Shanghai Jiao Tong University)
14:40-14:55	Semantic-Aware Multipath Processing forInterference-Resilient ISAC: From mmWave SLAM to THz Imaging (invited)
	Xuefeng Yin (Tongji University)
14:55-15:10	Intelligent Small-Sample Prediction of Indoor Terahertz Channels Based on Generative Adversarial Networks (invited)
	Yang Wang (Chongqing University of Posts and Telecommunications)
15:10-15:25	Diffusion-Based Channel Prediction with Environmental Information Enhancement in mmWave /THz Indoor Scenarios (invited)
	Cunhua Pan (Southeast University)
15:25-15:40	Research on channel characteristics and modelingfrom sub-6GHz and new mid-band to terahertzbands for 6G (invited)
	Jianhua Zhang, Pan Tang (Beijing University of Post and Telecommunications)

2026-10-23 pm
Room B

SPECIAL Session: FP2B
Channel Measurement and Modeling at Millimeter-Wave and Terahertz Bands (Part II)

Chairs:
Chong Han (Shanghai Jiao Tong University)
Ke Guan (Beijing Jiaotong University)

16:00-16:15	Generative AI-Empowered Semantic Twin Channel Model for ISAC (invited)
	Yi Chen (Dalian University of Technology)
16:15-16:30	Terahertz Integrated Sensing and Communication: Environment-Aware Channel Modeling and High-Resolution Environment Reconstruction (invited)
	Chong Han, Yejian Lyu (Shanghai Jiao Tong University)
16:30-18:00	Panel Discussion

2026-10-23 pm
Room C

SPECIAL Session: FP1C
Artificial Intelligence for Computing: Theories, Methods and Applications (Part I)

Chairs:
Haiyang Fu (Fudan University)
Maokun Li (Tsinghua University)

14:00-14:30	AI for Computational Electromagnetics (invited)
	Maokun Li (Tsinghua University)
14:30-14:55	A Born Iterative - Neural Network Framework for Electromagnetic Inverse Scattering Imaging (invited) (#429)
	Wei Yang, Qing He, Mei Song Tong, Yunyun Hu (Tongji University)
14:55-15:20	Research on AI-Empowered Electromagnetic Integrity Design Methods for High-Speed Chip Interconnects (invited)
	Ling Zhang (Zhejiang University)
15:20-15:45	Artificial Intelligence for Electromagnetic-Plasma Computing and Ionospheric Application (invited)
	Haiyang Fu (Fudan University)

2026-10-23 pm
Room C

SPECIAL Session: FP2C
Artificial Intelligence for Computing: Theories, Methods and Applications (Part II)

Chairs:
Haiyang Fu (Fudan University)
Maokun Li (Tsinghua University)

16:00-16:25	Multi-TransNet with Fourier Expansion for Electromagnetic Scattering from Two-Dimensional Dielectric Targets (#423)
	Haohui Ge, Yang Liu (Institute of Applied Physics and Computational Mathematics)
16:25-16:40	Reservoir Computing Based on Space-Time Coding Digital Metasurfaces (#655)
	Yibo Wang, Shuyang Lyu, Xinyuan Xu, Mingyuan Sun, Yuzhong Wang, Jiaran Qi (Harbin Institute of Technology)
16:40-16:55	Panel Discussion: AI for Propagation and ITU
	Ari Sihvola, ,Maokun Li, Leke Lin, Jianhua Zhang, Ke Guan

2026-10-23 pm
Room E

SPECIAL Session: FP1E
AI-Empowered Electromagnetic Scattering and Propagation in Complex Ground and Marine Environments: Mechanisms, Modeling, and Sensing (Part I)

Chairs:
Yiwen Wei (Xidian University)
Shuirong Chai (Xidian University)

14:00-14:20	An Improved Method for GTD Scattering-Center Parameter Extraction and RCS Reconstruction in Random Frequency-Hopping Mode (invited) (#308)
	Muyu Hou, Dianyuan Zhang, Jinwei Yang, Donghai Xiao, Jiaqi Mao, Haoming Hou (Hangzhou Dianzi University)
14:20-14:40	A Physics-Informed Neural Basis Function Method of Moments for Electromagnetic Scattering by PEC Targets (invited) (#218)
	Junjie Jiang, Shuirong Chai, Lixin Guo (School of Physics, Xidian University)
14:40-14:55	PhysContourNet: A Lightweight Physics-Constrained Polarimetric Decomposition Network for Maritime PolSAR Imagery (#490)
	Chenhao Wang, Xinjie Ju, Songyi Wang, Jianbing Li (College of Electronic Science and Technology, National University of Defense Technology)
14:55-15:10	Soft-Mask-Guided Swin Transformer for Target Parameter Inversion from ISAR Images (#614)
	Zuo Zhang, Jiaxuan Wang, Qiang Ren (Beihang University)
15:10-15:25	GEC-UNet: Physics-Informed Network for Urban Wireless Path Loss Prediction (#207)
	Qipeng Tian, Ruihao Huang, Mengchen Yao, Lantu Guo, Weiqing Zuo (Beijing Institute of Technology)
15:25-15:40	Mitigating High-Wind Underestimation in GNSS-R Sea Surface Wind Speed Retrieval (#424)
	Jiaxin Wang, Ding Nie, Min Zhang (Xidian University)

2026-10-23 pm
Room E

SPECIAL Session: FP2E
AI-Empowered Electromagnetic Scattering and Propagation in Complex Ground and Marine Environments: Mechanisms, Modeling, and Sensing (Part II)

Chairs:
Yiwen Wei (Xidian University)
Shuirong Chai (Xidian University)

16:00-16:15	Environment-Conditioned Deep Learning for Long-Range Field Prediction in Evaporation Ducts (#398)
	Yan Zhang, Nan Wu, Yiwen Wei, Lixin Guo (School of Physics, Xidian University)
16:15-16:30	Range-Windowed DMD for EM Wave Mode Extraction in Evaporation Ducts (#514)
	Yongfang Wang, Nan Wu, Yiwen Wei, Lixin Guo (School of Physics, Xidian University)
16:30-16:45	PDRC-Net: Lightweight Residual Correction of Bistatic RCS Computed by Low-Cost FDTD for PEC Targets (#293)
	Kuan Wang, Shuirong Chai, Lixin Guo, Jiayi Wang (School of Physics, Xidian University)
16:45-17:00	A Mono-FSB-MLFMA for Fast RCS Prediction of Conducting Targets (#296)
	Tianyu Yun, Shuirong Chai, Lixin Guo (Xidian University)
17:00-17:15	PO-ResFNO for Fast Electromagnetic Prediction over Local Sea-Surface Patches (#88)
	Guangping Shao, Wei Wang, Yihe Liang (Chang'an University)
17:15-17:30	Scattering Characteristics of Long-Axis Ellipsoidal Disk Vegetation Particle (#566)
	Rong Jiao (Ocean University of China)

2026-10-23 pm
Room F

SPECIAL Session: FP1F
Electromagnetic Functional Radomes and Protective Shields (Part I)

Chairs:
Yannan Jiang (Guilin University of Electronic Technology)
Yongtao Jia (Xidian University)
Fang Yuan (National University of Defense Technology)

14:00-14:20	Wide-Angle Null Control in 1-Bit Programmable Metasurfaces Based on Machine Learning (invited) (#246)
	Fang Yuan (National University of Defense Technology)
14:20-14:40	Multiplexing Metasurfaces for Dual Circularly Polarized Transmission and OAM Generation (invited) (#608)
	Sijia Li, Zhuoyue Li, Yuhao Wu, Xinkun Ma (Air Force Engineering University)
14:40-14:55	Angular-Selective Transmission and Beam Redirection Using Receive-Reradiate Metasurface Supercells (#133)
	Yutang Dong, Liujin Wan, Haihong Wang, Cheng Li, Yong Li, Fang Yuan (The 63rd Research Institute, National University of Defense Technology)
14:55-15:10	Broadband Lens Based on a 3-Bit Bilayer Huygens' Metasurface (#320)
	Luochujie Wang, Jiao Wang, Yannan Jiang (Guilin University of Electronic Technology)
15:10-15:25	A Conformal Ultra-Wideband Bandpass FSS Based on PDMS Flexible Substrate (#467)
	Yutong Wang, Xinyang Mao, Wenzan Guo, Peng Wang, Dongfang Guan, Min Huang (National University of Defense Technology)
15:25-15:40	Design of an S-Band Energy-Selective Surface for High-Power Microwave Protection (#191)
	Tingyu Yang, Xiangqiang Li, Jianqiong Zhang, Qingfeng Wang (Southwest Jiaotong University)

2026-10-23 pm
Room F

SPECIAL Session: FP2F
Electromagnetic Functional Radomes and Protective Shields (Part II)

Chairs:
Yannan Jiang (Guilin University of Electronic Technology)
Yongtao Jia (Xidian University)
Fang Yuan (National University of Defense Technology)

16:00-16:20	Hybrid JC-CC Metasurface for Full C-Band Microwave Absorption with High Visible-Light Transparency (invited) (#499)
	Yannan Jiang (Guilin University of Electronic Technology)
16:20-16:40	Computer-Vision-Aided Adaptive Full-Space Wireless Communication (invited) (#217)
	Qi Hu, Ke Chen, Fang Yuan, Yusi Zhang, Yijun Feng (National University of Defense Technology)
16:40-16:55	A Multifunctional Active Frequency-Selective Rasorber Featuring Frequency Tuning and Functional Switching (#565)
	Youhui Feng, Zhenxin Cao (Southeast University)
16:55-17:10	Passive Quasi-Non-Foster Impedance Matching Enabled Ultra-Thin Broadband Absorber (#643)
	Shengchi Zhu, Zhenxin Cao (Southeast University)
17:10-17:25	A Reconfigurable Dual Operating Modes Frequency-Selective Rasorber Based on 2.5-D Resonant Structure (#244)
	Panpan Zuo, Zihan Wang, Lei Yang, Can Tang (Civil Aviation University of China)
17:25-17:40	Millisecond-Response Tunable Frequency Selective Surface Based on Ultra-Thin Liquid Crystals (#283)
	Qipeng Wang, Di Gao, Peng Liu, Qingdong Zhang, Xiaoxing Yin (AVIC Research Institute for Special Structures of Aeronautical Composites)

2026-10-23 pm
Room G

SPECIAL Session: FP1G
Microwave Communication Networks and Payloads: Advanced Technologies and Applications (Part I)

Chairs:
Qiaoshan Zhang (National Key Laboratory of Space Microwave Communications)
Qi Li (National Key Laboratory of Space Microwave Communications)
Yiying Wang (Guilin University of Electronic Technology)

14:00-14:20	Design of an Active Multi-Beam Reflector Antenna System for Very High-Throughput Communication Satellites (invited) (#388)
	Tao Xiao, Yu Fei, Tian Jin, Gao Peng, Qiaoshan Zhang (Xi'an Institute of Space Radio Technology)
14:20-14:40	Design of Shared-Aperture Transmit/Receive Phased Array Antenna for LEO Direct-to-Cell Satellite Communication (invited) (#486)
	Zhenzhen Yue (Xi'an Institute of Space Radio Technology)
14:40-14:55	Design of a Spaceborne Highly Integrated BGA Power Module (#79)
	Xi Su, Pu Zhao, Heng Fei Zhao, Jia Mei Zhang, Lei Wang (Xi'an Institute of Space Radio Technology)
14:55-15:10	Meta-Reinforcement Learning for Rapid Anti-Jamming in LEO Satellite Communications: A Few-Shot Adaptation Approach (#166)
	Xiaohui Luan, Pengfei Xu, Ji Liu (China Academy of Space Technology)
15:10-15:25	Research on the Design of a Miniaturized Modulator Based on System-in-Package (#529)
	Hongli Jia (China Academy of Space Technology)
15:25-15:40	Design of a Ka-Band Butler Matrix Based on Ridge Gap Waveguide (#556)
	Liwei Guo, Siyu Chen, Wenjie Tang (Guilin University of Electronic Technology)

2026-10-23 pm
Room G

SPECIAL Session: FP2G
Microwave Communication Networks and Payloads: Advanced Technologies and Applications (Part II)

Chairs:
Qiaoshan Zhang (National Key Laboratory of Space Microwave Communications)
Qi Li (National Key Laboratory of Space Microwave Communications)
Yiying Wang (Guilin University of Electronic Technology)

16:00-16:20	Design Methodology and On-Orbit Validation of Spaceborne Squint-Looking SAR Systems (invited) (#204)
	Wei Yan, Xiaomin Tan, Hongxing Dang, Minze Yuan (Xi'an Institute of Space Radio Technology)
16:20-16:40	Design and Implementation of a Spaceborne 230 W X-Band Solid State Power Amplifier with High Pulse Repetition Frequency (invited) (#171)
	Pu Su, Xiaoxiao Li, Shichang Zhong, Lei Wang (China Academy of Space and Technology)
16:40-16:55	Interference Suppression Method for UAV Power-and-Information Transmission Links Based on SWIPT (#82)
	Xinyu Su, Bo Yang, Shiwei Dong, Ying Wang, Feng Gao, Cong Li (National Key Laboratory of Science and Technology on Space Microwave)
16:55-17:10	A Multi-Peak Grid-Aided Gauss–Newton Method for Single Satellite Cross Bearing Localization (#139)
	Zongfan Li, Weiqing Mu, Yang Feng, Chen Guo, Shihui Feng, Lantu Guo (China Research Institute of Radiowave Propagation)
17:10-17:25	Blind Elements in Conventional Radial Line Slot Antenna (#555)
	Yuxue Tan, Hongxin Zhang, Yanping Gong, Yiying Wang, Ahmed A. Kishk (School of Electronic Engineering, Beijing University of Posts and Telecommunications, Beijing)
17:25-17:40	AI-Driven Full-Stack Development of a High-Speed Low-Complexity Digital Modem for Wireless Backhaul (#561)
	Hao Zhang, Jie Lei, Xiaojing Huang, Andrew Zhang (University of Technology Sydney)
17:40-17:55	Design and Implementation of a SIP Integrated Amplifier Module for RF Front-Ends (#616)
	Peiwen Xue, Meixia Ma, Hongli Jia, Bin Li, Ronggen He (China Academy of Space Technology))
17:55-18:10	Research on Ultra-Wideband Compact Substrate Wide-Deep Gap Matching Interconnection Structure for DC to EHF Frequency Band (#621)
	Meixia Ma, Peiwen Xue, Bin Li (China Academy of Space Technology)

2026-10-23 pm
Room H

SPECIAL Session: FP1H
AI Aided Perception of EM Propagation Effects in Troposphere and Its Applications in Radar and Communication Systems

Chairs:
Jianbing Li (National University of Defense Technology)
Xiaoying Zhang (National University of Defense Technology)

14:00-14:20	A Gaussian-Linear Semi-Empirical Backscattering Model for Bare-Soil at L-Band and S-Band (invited) (#588)
	Xingyu Chen, Chunlei Dong, Lixin Guo (Xidian University)
14:20-14:40	A Passive Synthetic Aperture Positioning Method Based on Ground-Based MSK Signals (invited) (#36)
	Chenrui Yang, Xue Li, Lei Song, Qian Qin (China Research Institute of Radiowave Propagation)
14:40-14:55	Troposcatter Envelope Distribution Estimation Method Based on a Conditional Mixture Density Network (#96)
	Yunze Liu, Qingdi Zhang, Shengyong Li (Naval University of Engineering)
14:55-15:10	A Method for Inverting Equivalent Diffusion Parameters of Chaff Clouds Based on 2D Visual Image Masks (#29)
	Yue Xie, Chengtian Song, Hong Su, Gang Li, Tie Li (Xi'an Institute of Electromechanical Information Technology)
15:10-15:25	Rainfall Propagation Retrieval Based on Physics-Guided Deep Learning (#597)
	Songyi Wang, Xinjie Ju, Chenhao Wang, Jianbing Li (National University of Defense Technology)
15:25-15:40	An Efficient Electromagnetic Simulation Model for the Real Large-Scale Terrain Scenes (#612)
	Shuai Fu, Xiao Meng, Yujie Tu (Xidian University)

2026-10-23 pm
Room H

SPECIAL Session: FP2H
IEEE Antenna and Propagation Society (AP-S) International Young Professional Talks

Organizer:
Wei Lin(The Hong Kong Polytechnic University)

16:00-16:25	Tailoring EM Waves at Will with Discrete, Reconfigurable and Time-Varying Metasurfaces
	Alex M. H. Wong (City University of Hong Kong)
16:25-16:50	Pixelated Electromagnetic Structures for Next-Generation Wireless Systems: Antennas, Surfaces, and Beyond
	Yujie Zhang (Nanyang Technological University)
16:50-17:15	AI-Driven Full-Stack Development of a High-Speed Low-Complexity Digital Modem for Wireless Backhaul
	Hao Zhang (University of Technology Sydney)
17:15-17:40	Ultrawideband Tightly Coupled Antenna Arrays: From Planar Wide-Angle Scanning to Circular Full-Azimuth Coverage
	Gengming Wei (Institute of Science Tokyo)

2026-10-23 pm
Room I

SPECIAL Session: FP1I
Research on the Impacts of Radio Wave Environment on Navigation, Communication, Radar, and Other Systems, and Associated Countermeasures (Part I)

Chairs:
Ruimin Jin (China Research Institute of Radiowave Propagation)
Soravis Supavetch (Department of Civil Engineering, Kasetsart University, Thailand)

14:00-14:15	Seismogeodesy of the 2025 Mw 7.7 Mandalay Earthquake: HighRate GNSS PPP-AR Observation of Far-Field Ground and Structural Motion in the Bangkok Basin (invited)
	Soravis Supavetch (Department of Civil Engineering, Kasetsart University, Thailand)
14:15-14:30	Numerical Study of Graphene-Enhanced X-Band Metasurface Absorption and Radar Cross-Section Reduction (invited)
	Purevtseren Bayarsaikhan (Mongolian University of Science and Technology, Mongolia)
14:30-14:50	Invited talks from other APSCO member states
14:50-15:05	Research on Electromagnetic Spectrum Information Grid Representation Method Based on Token Mechanism (#137)
	Yuqian Li, Xuezhi Xiang, Lantu Guo (Harbin Engineering University;China Research Institute of Radiowave Propagation)
15:05-15:20	Single-Station TID Parameter Estimation by Joint Angle-of-Arrival and Doppler-Shift Observations(#148)
	Jingxian He, Kun Xue, Fengjuan Sun, Tong Xu, Sifan Li (China Research Institute of Radiowave Propagation)
15:20-15:35	Bit-Error-Rate Analysis of Coherent MSK under Gaussian--Student Impulsive Noise(#219)
	Yisu Liu, Hailiang Xiong, Jutao Yang, Hong Lu (National Key Laboratory of Electromagnetic Wave Propagation China Research Institute of Radiowave Propagation; School of Information Science and Engineering, Shandong University)
15:35-15:50	Research on the Mechanism of Formation Destabilization on UAV Swarm by GNSS Interference(#298)
	Yaobei Wang, Yazhou Chen, Min Zhao, Wenguang Li, Qihao Dong (Shijiazhuang Campus Peoples Liberation Army Engineering University)

2026-10-23 pm
Room I

SPECIAL Session: FP2I
Research on the Impacts of Radio Wave Environment on Navigation, Communication, Radar, and Other Systems, and Associated Countermeasures (Part II)

Chairs:
Ruimin Jin (China Research Institute of Radiowave Propagation)
Soravis Supavetch (Department of Civil Engineering, Kasetsart University, Thailand)

16:00-16:15	GNSS Ionospheric Scintillation Monitoring and Discrimination from Radio Frequency Interference (invited)
	Ruimin Jin (China Research Institute of Radiowave Propagation)
16:15-16:30	Impact of Space Weather on Ionospheric Dynamics in Bangladesh: Insights from 2022–2023 TEC Analysis (invited)
	Mohammad Mahdi Hasan (Bangladesh Space Research and Remote Sensing Organization (SPARRSO), Bangladesh)
16:30-16:50	Invited talks from other APSCO member states
16:50-17:05	Multipath Fusion-Based Tracking for Skywave OTHR with Measurement Residual Learning (#450)
	Peng Wang, Xinyang Mao, Dongfang Guan, Yutong Wang, Wenzan Guo, Xiaolong Su (National University of Defense Technology)
17:05-17:20	Experimental Investigation of Ionospheric-Storm Effects on Echo Spectral Characteristics in HF Over-the-Horizon Radar (#552)
	Yushan Cai, Longquan Yang, Jie Wang, Xue Li, Chongyang Su (China Research Institute of Radiowave Propagation)
17:20-17:35	Dimensionality-Reduced Direct Position Estimation for Anti-Spoofing Navigation of UAVs (#640)
	Qiushi Chen, Chunlei Pang, Yang Zhang, Jinglong Gao, Jinyu Chen, Zehao Lei (Air Force Engineering University)
17:35-17:50	HF Skywave TDOA Geolocation Based on Ray Tracing with Initial Elevation Angle Estimation Using Oblique Ionogram Priors (#642)
	Dongjia Guo, Nhuajiang Chu, Xinliu Tong, Binyang Guo (Wuhan University)

2026-10-23 pm
Room J

SPECIAL Session: FP1J
HK RGC AoE Project: Advanced Antenna Technology for a Smart World (Part I)

Chairs:
Kwai-Man Luk (City University of Hong Kong)
Steven Gao (The Chinese University of Hong Kong)

14:00-14:25	AI-Assisted Joint Localization and Wireless Power Transfer System (invited) (#489)
	Wei Lin (The Hong Kong Polytechnic University)
14:25-14:50	Surface-Wave-Enabled Enormous Fluid Antenna Interfaces for Reconfigurable Millimeter-Wave Links (invited) (#498)
	Kin Fai Tong, Fan Wu (Hong Kong Metropolitan University)
14:50-15:15	Beam Diversities for Direct Modulation Communications (invited) (#492)
	Shitong Wang, Yuanfa Sun, Hang Wong (City University of Hong Kong)
15:15-15:40	Common-Mode Resonance in Tightly-Coupled Dipole Array: Theory and Suppression Technique (invited) (#570)
	Hao Cheng, Deming Sun, Steven Gao (The Chinese University of Hong Kong)

2026-10-23 pm
Room J

SPECIAL Session: FP2J
HK RGC AoE Project: Advanced Antenna Technology for a Smart World (Part II)

Chairs:
Kwai-Man Luk (City University of Hong Kong)
Steven Gao (The Chinese University of Hong Kong)

16:00-16:25	Low-Complexity Dynamic Tracking Microwave Power Transfer System (invited) (#596)
	Shaoyong Zheng (Sun Yat-Sen University)
16:25-16:50	A Dual-Circularly Polarized Reflectarray Antenna (invited) (#600)
	Bingjie Xiang, Kwai-Man Luk (City University of Hong Kong)
16:50-17:15	High-Gain Glass Dielectric Resonator Antenna with Pattern Diversity for 5G-and-Beyond Applications (invited) (#627)
	Shixuan Zhang, Kwok Wa Leung, Mike W. K. Lee, Shaoyong Zheng (City University of Hong Kong)
17:15-17:40	Reconfigurable Metasurfaces and Metasurface Antennas for a Smart World (invited)
	Wong Man-Hon Alex (City University of Hong Kong)

2026-10-23 pm
Room K

SPECIAL Session: FP1K
Intelligent Radio Environment Modeling and Wave Propagation Prediction (Part I)

Chairs:
Jian Wang (North China Electric Power University)
Shu Sun (Shanghai Jiao Tong University)
Cheng Yang (Tianjin University)

14:00-14:20	Measurement-Based Modeling of a PCB-Mounted PIN Diode for X-Band Phase Shifters (invited) (#470)
	Weixin Lian, Haoming Zhang, Xupeng Li, Zhiwei Jiang, Chuang Yang (Beijing University of Posts and Telecommunications)
14:20-14:40	Cross-Scenario Path-Loss Prediction for Substation IIoT Using Transfer Learning (invited) (#347)
	Yiwen Zhang, Fei Du, Bo Zhu, Suiyan Geng (North China Electric Power University)
14:40-14:55	Cross-Frequency Path Loss Prediction via 3D Point Cloud (#300)
	Ming Yang, Yue Huang, Fei Du, Bo Zhu, Suiyan Geng, Runze Wu (North China Electric Power University)
14:55-15:10	Neighborhood Consistency Guided Triple Candidate Fusion for Multi-Building and Multi-Floor Wi-Fi Fingerprint Localization (#495)
	Liangying Zhang, Yuanjian Liu (College of Electronic and Optical Engineering & College of Flexible Electronics (Future Technology), Nanjing University of Posts and Telecommunications)
15:10-15:25	Received Power Prediction for 5G-R Using Adaptive Ensemble Learning (#506)
	Guangju Chen, Yuanjian Liu, Zixuan Ding (College of Electronic and Optical Engineering, Nanjing University of Posts and Telecommunications)
15:25-15:40	A Parabolic Equation-Informed Neural Network for High-Accuracy Maritime Path Loss Prediction (#121)
	Yulong Hao, Huimin Zou, Jian Wang (Tianjin University)

2026-10-23 pm
Room K

SPECIAL Session: FP2K
Intelligent Radio Environment Modeling and Wave Propagation Prediction (Part II)

Chairs:
Jian Wang (North China Electric Power University)
Shu Sun (Shanghai Jiao Tong University)
Cheng Yang (Tianjin University)

16:00-16:15	Exploring the Applicability of Two ITU-R Models for PMT Propagation in Karst Terrain (#299)
	Zhongle Wu, Fei Xiao, Cheng Yang, Jieqing Fan, Jianmin Sun, Jian Wang (Tianjin University)
16:15-16:30	Long-Term Prediction Model of Maximum Usable Frequency for HF Communication during Low Solar Activity Epoch Based on KAN (#138)
	Qiao Yu, Jian Wang, Jianyuan Wang (Tianjin University)
16:30-16:45	An Ordinal Convolutional Neural Network for Automatic Maximum Observation Frequency Scaling from Oblique Ionograms (#183)
	Yuchen Sun, Qiao Yu, Cheng Yang, Zonghua Ding, Jianyuan Wang, Jian Wang (Tianjin University)
16:45-17:00	Ray Tracing Low Frequency Sky Wave Trajectories: A New Thinking for Propagation Prediction (#335)
	Chengsong Duan, Jian Wang (Tianjin University)
17:00-17:20	Recognition of Atmospheric Oscillations in Near-Space via Radiowave Detection (invited)
	Jianyuan Wang (Tianjin University)
17:20-17:40	Data-Driven Prediction of Evaporation Ducts in the Marine Atmospheric Boundary Layer during Typhoon Events (invited) (#35)
	Jinzi Ma, Cheng Yang, Jian Wang (Tianjin University)

2026-10-23 pm
Room L

SPECIAL Session: FP1L
Advanced Beamforming and Reconfigurable Antenna Technologies for Beyond-5G Systems (Part I)

Chairs:
Yuhui Ren (Northwest University)
Jin Yao (Xi'an Research Institute of Navigation Technology)
Yuanming Cai (Xidian University)

14:00-14:20	A Phased Array Antenna Based on Liquid Crystal Phase Shifters (invited) (#426)
	Jinfeng Lin, Wenting Li, Yejun He, Yangpeng Liu (Shenzhen University)
14:20-14:40	Machine Learning Aided Design of Dual-Band Dual-Sense Reflectarray for Independent Electromagnetic Wavefront Modulation (invited) (#253)
	Yutian Ma, Dingfan Wu, Ping Xu, Jun Wang, Yuhui Ren, Wu Zhao (Northwest University)
14:40-15:00	A High-Scanning-Rate Circularly Polarized Leaky-Wave Antenna Using SSPP-Loaded Meandered SIW (invited) (#376)
	Minhuan Qiao, Ronghui Zhang, Wenlong Yan, Yuanpei Hu, Huiqiang Qi, Ke Li (School of Electronic Information, Northwest University)
15:00-15:15	Simulation-Based Radar-Coverage-Preserving Beam Recovery for Quantized X-Band Phased Arrays with Clustered Element Failures (#228)
	Surendra Kumar (Tata Advanced Systems)
15:15-15:30	Mutual Coupling and Visibility Effects in 2D Holographic Curvature-Reconfigurable Apertures (#538)
	Hang Lin, Shu Sun (Shanghai Jiao Tong University)
15:30-15:45	Scattering-Reconfigurable Van Atta Retrodirective Array Based on 1-Bit Phase Shifter (#502)
	Zhankun Guo, Meijun Qu, Jianxun Su (Communication University of China)

2026-10-23 pm
Room L

SPECIAL Session: FP2L
Advanced Beamforming and Reconfigurable Antenna Technologies for Beyond-5G Systems (Part II)

Chairs:
Yuhui Ren (Northwest University)
Jin Yao (Xi'an Research Institute of Navigation Technology)
Yuanming Cai (Xidian University)

16:00-16:20	A Coupled-Fed Broadband Millimeter-Wave Antenna (invited) (#497)
	Lili Guo (The Xi'an Research Institute of Navigation Technology)
16:20-16:40	A Planar Dual Band Polarization Reconfigurable Antenna for Endfire Radiation (invited) (#563)
	Lei Wang (The Xi'an Research Institute of Navigation Technology)
16:40-16:55	An Omnidirectional Anti-Jamming Array Antenna with Triangular-Pyramid Configuration (#527)
	Min Wang (The Xi'an Research Institute of Navigation Technology)
16:55-17:10	A Ku-Band Broadband Conformal Microstrip Antenna Design (#358)
	Jianhui Wang, Yawen Wang (The 20th Research Institute, China Electronics Technology Group Corporation)
17:10-17:25	A Shortwave Propagation Model Based on Physics-Constrained Neural Networks (PCNN) (#81)
	Wei Sun, Bin Xu, Xianming Kong, Xiang Dong, Xinwei Liu, Shucan Ge (China Research Institute of Radiowave Propagation)
17:25-17:40	A Dual-Polarized Ridged Waveguide Slot Array Antenna With Low-Profile and Low Sidelobes (#413)
	Mengqi Cao, Chao Wu, Zhenchao Li, Junchen Xia, Yuanming Cai (Xidian University)

2026-10-23 pm
Room M

SPECIAL Session: FP1M
Multi-Source Electromagnetic Observations for Near-Earth Space Environment and Natural Hazard Monitoring (Part I)

Chairs:
Zhima Zeren (National Institute of Natural Hazards)
Chen Zhou (Wuhan University)
Shufan Zhao (Chinese Academy of Sciences)

14:00-14:20	Seismo-Electromagnetic Anomalies Based on Lithosphere-Atmosphere-Ionosphere Double Resonance Mechanism (invited) (#68)
	Chiehhung Chen, Yangyi Sun, Aisa Yisimayili, Xuemin Zhang, Yongxin Gao, Longwei Chen (Chengdu University of Technology Chengdu)
14:20-14:40	3D Forward Modeling of Global EM Induction Fields Driven by Magnetosphere, Ionosphere and Tidal Excitation Sources (invited) (#396)
	Xiuyan Ren, Changchun Yin, Yinglin Wang, Mingquan Lai, Yunhe Liu (Jilin University)
14:40-14:55	Simulation of ULF Ionospheric Magnetic Field Anomalies before Earthquakes by Induced Current (#568)
	Ting Wang, Kaiguang Zhu, Wenqi Chen (Jilin University)
14:55-15:10	Study on the Excitation and Propagation of Landslide-Induced Acoustic-Gravity Waves and the Response Mechanisms of Ionospheric Disturbances Based on Numerical Simulation (#440)
	Guangyang Cui, Zhima Zeren (National Institute of Natural Hazards, Ministry of Emergency Management of China)
15:10-15:25	Multidimensional Reliability Assessment of Faraday Rotation Retrieval from LuTan-1 Twin-Satellite Fully Polarimetric SAR: Repeatability, Reciprocity, and TEC Validation (#482)
	Hao Li (National Institute of Natural Hazards, Ministry of Emergency Management of China)
15:25-15:40	Latitudinal Variation Characteristics of the Philips Rule for Critical Frequency of Sporadic E Layer in the Chinese Region (#72)
	Liandong Dai (China Research Institute of Radiowave Propagation)

2026-10-23 pm
Room M

SPECIAL Session: FP2M
Multi-Source Electromagnetic Observations for Near-Earth Space Environment and Natural Hazard Monitoring (Part II)

Chairs:
Zhima Zeren (National Institute of Natural Hazards)
Chen Zhou (Wuhan University)
Shufan Zhao (Chinese Academy of Sciences)

16:00-16:20	Atmospheric Tides Imprint a Wavenumber-4 Structure in Topside Ionospheric ELF Wave Intensity (invited) (#340)
	Li Liao, Shufan Zhao, Maosheng He, Yatong Cui, Jinlei Li (Institute of Geophysics, China Earthquake Administration)
16:20-16:40	CSES-02 High Precision Magnetometer and Initial In-Orbit Results (invited) (#393)
	Yanyan Yang, Zeren Zhima, Bin Zhou, Jie Wang, Bingjun Cheng, Yicheng Deng (National Institute of Natural Hazards, Ministry of Emergency Management of China)
16:40-16:55	Discrepancies and Transformation between Space-Based and Ground-Based Dst Indices: Insights from Swarm and CSES (#379)
	Mengjie Wang, Yanyan Yang, Yong Ji, Zeren Zhima, Chao Xiong, Jie Wang (National Institute of Natural Hazards, Ministry of Emergency Management of China)
16:55-17:10	Conjugate Pc1 Observations Place the South Atlantic Anomaly Control of Ionospheric EMIC Waves at the Low-Altitude End of the Field Line (#395)
	Xuhui Niu, Zhima Zeren (National Institute of Natural Hazards)
17:10-17:25	Using Lightning-Generated Whistlers for Lightning Location (#419)
	Tian Xiang, Haodong Liu, Moran Liu, Chen Zhou (School of Earth and Space Science and Technology Ionosphere Laboratory, Wuhan University)

2026-10-23 pm
Room N

SPECIAL Session: FP1N
Atmospheric Detection Technologies, Scientific Research, and Applications Based on Electromagnetic Wave–Atmosphere Interactions (Part I)

Chair:
Yufang Tian (Institute of Atmospheric Physics, Chinese Academy of Sciences)
Jinjie Yao (North University of China)
Wen Yi (University of Science and Technology of China)

13:30-13:50	Advances in 3D Wind Field Observation Using Multi-Station Meteor Radars (invited)
	Wen Yi (University of Science and Technology of China)
13:50-14:10	TDLAS Methane Sensing with Enhanced Laser Source Stability and Spectral Denoising (invited) (#316)
	Jiali Li, Jinjie Yao, Zaidong Zhang, Shuai He (North University of China)
14:10-14:25	Research on Assimilation Technology of Near-Space Wind Fields Based on Three-Dimensional Variational Fusion (#131)
	Xingxin Sun (Wuhan University)
14:25-14:40	Study on a Signal Processing Method for Long-Wave Station Signals in Lower-Ionospheric Parameter Inversion (#329)
	Wanting Wang, Jutao Yang, Libin Lv, Yubo Yan (China Research Institute of Radiowave Propagation)

2026-10-23 pm
Room N

SPECIAL Session: FP2N
Atmospheric Detection Technologies, Scientific Research, and Applications Based on Electromagnetic Wave–Atmosphere Interactions (Part II)

Chair:
Yufang Tian (Institute of Atmospheric Physics, Chinese Academy of Sciences)
Jinjie Yao (North University of China)
Wen Yi (University of Science and Technology of China)

14:55-15:10	Detection and Feature Analysis of Ionospheric Depletion during Rocket Launch Using Phone-Based GNSS Observation Data (#108)
	Yuting Zhao, Bin Xu, Qinglin Zhu, Haiying Li, Songyang Wu, Shucan Ge (Xidian University)
15:10-15:25	Environmental Data-Based Correction of Tropospheric Scatter Loss Model (#177)
	Zixun Liu, Shuhong Gong (Xidian University)
15:25-15:40	From Measured Spectral Response to Fast Radiance Simulation an ARTS-Based End-to-End Coefficient Workflow for FY-3F MWTS-III (#370)
	Jinjiang Chen, Hao Li, Yinan Li (China Academy of Space Technology Xi'an)
15:40-15:55	Statistical Characteristics of Elevated Ducts in the Outer Regions of Tropical Cyclones over the Western North Pacific Based on WRF Simulations (#373)
	Xiaodong Li, Yan Ma, Lifang Sheng (Qingdao Meteorological Service)
15:55-16:10	Modeling of the Power Delay Profile for Artificial Field-Aligned Scattering Channels (#382)
	Chaoyang Hu (China Research Institute of Radiowave Propagation)

2026-10-23 pm
Room N

SPECIAL Session: FP3N
Electromagnetic Wave Propagation Modeling in Complex Marine Environments

Chairs:
Huaiyun Peng (National Key Laboratory of Electromagnetic Wave Propagation)
Jinpeng Zhang (National Key Laboratory of Electromagnetic Wave Propagation)
Hanjie Ji (Xidian University)

16:20-16:40	Research on Scattering Imaging and Intelligent Applications in Maritime Scenarios (invited)
	Chunlei Dong, Xiao Meng (Xidian University)
16:40-17:00	Calibrated C-Band Cross-Polarized Backscatter of Sea Ice for Type Discrimination (invited) (#628)
	Peng Wang, Yi Liao, Yanan Chen, Guochang Shi (Shanghai Radio Equipment Research Institute, National Key Laboratory of Scattering and Radiation, Shanghai Key Laboratory of Electromagnetic Environmental Effects for Aerospace Vehicle)
17:00-17:15	Effects of Regular Ocean Waves on VLF Electromagnetic Propagation across the Seawater-Air Interface (#576)
	Wenhui Fu, Huaiyun Peng, Kai Liu (China Research Institute of Radiowave Propagation)
17:15-17:30	Electromagnetic Field Distribution on Sea Surface Radiated by Spaceborne VLF Antenna Arrays (#93)
	Wenjing Min, Nannan Sun, Huiran Zeng, Dudu Huang, Yilong Liu, Kai Li (The College of Information Science and Electronic Engineering, Zhejiang University)
17:30-17:45	Sea Spike Identification Based on Multi-Domain Feature Extraction and XGBoost Model (#472)
	Yujing Li, Xiaoyun Xia, Jinpeng Zhang, Xinyu Xu, Pengfei Zhou, Chunzhi Hou (China Research Institute of Radiowave Propagation)
17:45-18:00	EDH-GTLNet: A Multi-Step Evaporation Duct Height Forecasting Method Based on Graph Attention Network and Long Short-Term Memory (#193)
	Jisheng Sheng, Zhijin Qiu, Bo Wang, Chen Fan, Yilin Wen, Shilong Wang (State Key Laboratory of Physical Oceanography, Institute of Oceanographic Instrumentation, Qilu University of Technology (Shandong Academy of Sciences))

2026-10-24 pm
Room A

SPECIAL Session: SP1A
Progress of Ionosphere and Upper Atmosphere Measurement and Research in the along the Meridian Circles 120°E (Part I)

Chairs:
Shuji Sun (China Research Institute of Radiowave Propagation)
Zonghua Ding (China Research Institute of Radiowave Propagation)
Qinghe Zhang (National Space Science Center, Chinese Academy of Science)

14:00-14:20	Dramatic Breach in Earth's Bow Shock Shakes Global Geospace (invited) (#392)
	Qinghe Zhang, Duan Zhang, Chi Wang, Zhongwei Yang, Michael Lockwood (National Space Science Center, Chinese Academy of Science)
14:20-14:40	Investigation of Spatiotemporal Variation Characteristics of Ionospheric Sporadic E in China (invited) (#125)
	Haiyang Liu, Yafei Shi, Jian Wang, Jieqing Fan (North China Electric Power University)
14:40-14:55	Analysis of Variation Characteristics of the Lower Ionosphere in the Low-Latitude of China (#25)
	Di Wu, Zonghu Ding, Haisheng Zhao, Liandong Dai, Xuechao Zhang, Zhimei Tang (State Administration of Science, Technology and Industry for National Defence)
14:55-15:10	Device-Clustered DCB Correction for Sparse Ionospheric TEC Reconstruction from Crowdsourced Smartphones (#560)
	Baiyan Tao, Bin Xu, Qinglin Zhu, Shucan Ge, Shenquan Tao, Xiang Dong (China Research Institute of Radiowave Propagation)
15:10-15:25	Method for Calculating Es Field Strength of HF Bands in Summer (#337)
	Chun Chen, Zonghua Ding, Hongming Wang (National Field Observation and Research Station (Yunnan Kunming) for Electromagnetic Environment)
15:25-15:40	Comparison of the Climatological Variations of Ionospheric Maximal Electron Density Between Irkutsk and Qujing (#85)
	Zonghua Ding, Valentin Lebedev, Liandong Dai, Zhimei Tang, Xuechao Zhang, Jiajia Fu (China Research Institute of Radiowave Propagation, National Field Observation and Research Station (Yunnan Kunming) for Electromagnetic Environment)

2026-10-24 pm
Room A

SPECIAL Session: SP2A
Progress of Ionosphere and Upper Atmosphere Measurement and Research in the along the Meridian Circles 120°E (Part II)

Chairs:
Shuji Sun (China Research Institute of Radiowave Propagation)
Zonghua Ding (China Research Institute of Radiowave Propagation)
Qinghe Zhang (National Space Science Center, Chinese Academy of Science)

16:00-16:20	Consistency Analysis of Multi-Algorithm GNSS Vertical TEC and Comparison with the CODE-GIM Data (invited) (#357)
	Chao Han, Boyang Xu, Ming Ou, Dandan Wang, Jianan Liu, Dawei Wang (College of Electronic and Information Engineering, Shandong University of Science and Technology)
16:20-16:40	A DFT Decomposition and Multi-Branch Deep Learning Method for Short-Term foF2 Forecasting (invited) (#55)
	Chang Li, Qinglin Li, Yun Ning, Wen Liu (Xiangtan University)
16:40-16:55	A Probabilistic Model of Ionospheric Irregularity Strength and Scintillation Index versus Geomagnetic Latitude (#454)
	Yingqiang Wu, Feifei Wang, Weiyue Jing (The 22nd Research Institute of China Electronics Technology Group Corporation)
16:55-17:10	Spread-F Detection and Classification in Ionograms Based on MCAAFNet (#47)
	Pengcheng Yang, Yun Ning, Qinglin Li, Bing Zhou, Wen Liu (School of Automation and Electronic Information Xiangtan University)
17:10-17:35	Multi-Band Passive Monitoring of X-Class Solar Flare Shortwave Fadeouts Using the Global WSPR Amateur Radio Network (#142)
	Yao Liu (China Research Institute of Radiowave Propagation)

2026-10-24 pm
Room B

SPECIAL Session: SP1B
Time-Domain Computational Electromagnetics and Its Applications (Part I)

Chairs:
Bing Wei (Xidian University)
Kuisong Zheng (Northwestern Polytechnical University)

14:00-14:20	Application of Adaptive Mesh Refinement Technology Based on Tree Data Structures in FDTD Computations for Mountain Tunnels (invited) (#474)
	Linbo Yan, Xinbo He, Bing Wei, Linqian Li, Ye Wang, Haonan Feng (Xidian University)
14:20-14:40	Diurnal VLF Propagation Fields under FIRI Model with the GPU-FDTD Method (invited) (#278)
	Junke Wang, Kuisong Zheng, Songming Zou, Zhewen Chen, Qiang Wu (Northwestern Polytechnical University)
14:40-14:55	An Efficient S-FDTD Method for Electromagnetic Scattering in Dust Plasmas (#30)
	Gongyu Wang, Wei Chen, Lixia Yang (Anhui University)
14:55-15:10	Investigation of Antenna Movement Mode in Source Stirred Reverberation Chamber (#67)
	Congyi Wang, Erwei Cheng, Xinbo Kang, Pingping Wang (Shijiazhuang Campus, Army Engineering University)
15:10-15:25	SFCW HRRP Analysis of a High-Speed Target Coated with a Plasma Sheath Using Lorentz–TDPO (#172)
	Xiaolong Pan, Long Qin, Lixia Yang, Yong Bo, Xinyuan Fan, Xianmin Guo (Anhui University)
15:25-15:40	Application of the LADI-BOR-FDTD Method to Cylindrical Waveguide Simulation (#312)
	Yiru Liang, Xinbo He, Bing Wei, Haonan Feng, Guo Gan (Xidian University)

2026-10-24 pm
Room B

SPECIAL Session: SP2B
Time-Domain Computational Electromagnetics and Its Applications (Part II)

Chairs:
Bing Wei (Xidian University)
Kuisong Zheng (Northwestern Polytechnical University)

16:00-16:20	Quasi-Static Approximation of the Reflection for a Slowly Time-Modulated Slab (invited) (#287)
	Mengyao Wang, Yang Bai, Ning Zheng, Jiawei Huang, Hongcheng Yin, Liangsheng Li (National Key Laboratory of Scattering and Radiation)
16:20-16:35	Effects of Yield and Height on Low-Altitude Nuclear Electromagnetic Pulses Propagation (#319)
	Jiarong Dong, Bing Wei, Linqian Li, Qian Yang, Zhaomin Li (Xidian University)
16:35-16:50	An Efficient and Stable Simulation Method Based on Time-Varying Plasma (#362)
	Jue Wang, Shicheng Zhou, Xueyi Wang, Jinlong Hu, Kaikun Niu, Zhixiang Huang (Anhui Province Key Laboratory of Low Altitude Detection, State Key Laboratory of Optoelectronic Information Acquisition and Protection Technology)
16:50-17:05	Design of a Low-Inductance Marx Pulse Generator for UWB Radiation Applications (#574)
	Yan Wang, Binwen Wang, Zhenbo Chen, Jinhong Wei, Tenghao Zhang (Northwest Institute of Nuclear Technology)

CIE Bilibili Journal WeChat Channels

2026-10-24 pm
Room C

Account: 823 3108 0096
Password: 682508

SPECIAL Session: SP1C
2026 URSI-CHINA Yong Scientist and Women in Radio Science Forum (Part I)

Chairs:
Ruisi He (Beijing Jiaotong University)

Agenda

Time	Title	Speaker
13:30-13:40	Chairman's Remark of URSI-CHINA	Jian Wu President of URSI CHINA (CIE) China Research Institute of Radiowave Propagation
13:40-13:50	A Proposal for Lunar Time Metrology	Qianjuan Wang 514 Institute Commission A
13:50-14:00	A Physics-Informed Neural Network Framework for Phase-Only Beamforming in Antenna Arrays (#49)	Yanming Zhang Southeast University Commission B
14:00-14:10	Diffractive Deep Neural Network and Its Application in Electromagnetics	Jiaran Qi Harbin Institute of Technology Commission B
14:10-14:20	Research on 6G ISAC Channel Modeling and Simulation Technologies	Yameng Liu Tsinghua University Commission C
14:20-14:30	The Detection and Scattering of Targets in Complex Sea Environment	Yiwen Wei Xidian University Commission F
14:30-14:40	The Dominant Role of The Electron Isotropy Boundary in Controlling Earth's Outer Radiation Belt Electron Lifetimes	Man Hua Wuhan University Commission H
14:40-14:50	The Impact of Magnetic Fields on Crops and The Application Potential in Agricultural Industry	Xu Zheng Henan Agricultural University Commission K
14:50-15:10	Rconfigurable Arrays for 6G Communications, and IEEE ComSoc YP Introduction & Overview	Ziyuan Zheng Shanghai Jiaotong Universiry Commission C
15:10-15:30	Closing Remarks & Group Photo & Coffee Break	Panel Committee and All Participants

2026-10-24 pm
Room C

SPECIAL Session: SP2C
2026 URSI-CHINA Yong Scientist and Women in Radio Science Forum (Part II)

Chairs:
Haiyang Fu (Fudan University)
Vice Chairs:
Jing Chen (Kunming University of Science and Technology)
Yun Sui (Fudan University)

Agenda

Time	Title	Speaker
15:30-15:35	Opening Remarks & Welcome	Prof. Sana Salous WIRS President of URSI
15:35-15:55	**Plenary Talk**: Antenna with High Gain and Low RCS	Ying Liu Xidian University
15:55-16:10	**Keynote Talk**: Recent Progress in 6G Space-Air-Ground-Sea Channel Measurement, Modeling and International Standardizations	Jianhua Zhang State Key Laboratory of Networking and Switching Technology, Beijing University of Posts and Telecommunications
16:10-16:25	**Keynote Talk**: The CSES Mission Overview: Status, Latest Results and Follow-up Plans	Zhima Zeren National Institute of Natural Hazards, Ministry of Emergency Management of China
16:25-16:35	Tropospheric Propagation Study Towards Recommendations of ITU-R P series	Haiying Li China Research Institute of Radiowave Propagation
16:35-16:45	Triple-Objective MIMO Antenna Design for 5G Smartphones: Decoupling, Bandwidth Broadening, and Miniaturization	Aidi Ren State Key Laboratory of Opto-Electronic Information Acquisition and Protection Technology, Anhui University
16:45-16:55	Multiscale Modeling and Efficient Electromagnetic Computation of Metasurfaces	Xiao Jia Beijing Jiaotong University
16:55-17:05	Intelligent Reconfigurable Surfaces for Wideband Communications: From Beamforming to Physical Reconfiguration	Chi Qiu School of Computer Science, Hubei University
17:05-17:15	A Hybrid Data Assimilation Framework of Multi-source Ionospheric Observations	Mengjie Wu Shanghai Astronomical Observatory, Chinese Academy of Sciences
17:15-17:25	Electromagnetic Metamaterials for Embodied AI: Design and Applications	Xinyu Li State Key Laboratory of Millimeter Waves, Southeast University
17:25-17:40	URSI-China WIRS Introduction, Closing Remarks & Group Photo	Jian Wu President of URSI CHINA (CIE), China Research Institute of Radiowave Propagation Haiyang Fu Chair of WIRS URSI CHINA(CIE), Fudan University All Participants

2026-10-24 pm
Room E

SPECIAL Session: SP1E
Optoelectronic Stealth and Electromagnetic Effect Analysis (Part I)

Chairs:
Ming Fang (Anhui University)
Xuesong Deng (Anhui University)

14:00-14:20	Active and Passive Microwave Propagation Control: Plasma Interference Switches and Superparamagnetic Metamaterial Absorbers (invited) (#368)
	Chengxun Yuan (Harbin Institute of Technology)
14:20-14:35	BICs and Tunable Quasi-BICs in Asymmetric All-Dielectric Metasurfaces (#223)
	Yuhang Fei, Ming Fang, Ke Xu, Jian Feng, Xuesong Deng (Anhui University)
14:35-14:50	Defect-Engineered Splitting and Merging of Bound States in the Continuum in All-Dielectric Metasurfaces (#224)
	Miao Liu, Ming Fang, Ke Xu, Jian Feng, Xuesong Deng (Anhui University)
14:50-15:05	Fourier Neural Operator for Dispersive GPR Electromagnetic Modelling (#73)
	Jie Zhao, Donghua Zhou, Jian Feng, Ming Fang (School of Electronic and Information Engineering, Anhui University)
15:05-15:20	A Single-Layer Water-Reconfigurable Metasurface for Dual-Mode RCS Reduction (#162)
	Xiaofeng Zhou, Junyu Liang, Yang Fu, Helin Yang (Central China Normal University)
15:20-15:35	SOG-Planarized Bottom-Gate CNTs RF Transistors with Reduced Channel Strain: Exploration of an Integrated Opto-Hybrid Application Platform (#159)
	Wenqi Li (Xiangtan University)

2026-10-24 pm
Room E

SPECIAL Session: SP2E
Optoelectronic Stealth and Electromagnetic Effect Analysis (Part II)

Chairs:
Ming Fang (Anhui University)
Xuesong Deng (Anhui University)

16:00-16:20	Wideband RCS Reduction Based on Multi-Resonant PEC Height-Offset Structures (invited) (#107)
	Yu Duan, Jian Lin, Shaoqiu Xiao (Sun Yat-Sen University)
16:20-16:35	Design of a Broadband Optically Transparent Millimeter-Wave Absorber Composed of Modified Jerusalem-Cross and Square-Loop Resonators (#389)
	Xipeng Wang, Xiaofei Xu (Shanghai University)
16:35-16:50	A Calculation and Verification Method for HPM Antenna Coupling Field Strength Based on Link Characterization (#633)
	Zhi Li (China Electronics Standardization Institute)
16:50-17:05	Simulation Research on Electromagnetic Shielding Effectiveness of Composite Metal Mesh Skin under HEMP, HPM, and HIRF Environments (#503)
	Wenjun Xu, Mu Mo, Hanlin Gong, Xuesong Deng, Haisheng Mo, Hongli Tan (Anhui University)
17:05-17:20	A New Continuous Wave Mud Pulse Modulation Scheme (#19)
	Yingying Dong, Qifeng Wang (School of Electronic Engineering Wuhan Vocational College of Software and Engineering)

2026-10-24 pm
Room F

SPECIAL Session: SP1F
Advances in High Frequency Antennas and Electromagnetic Wave Propagation (Part I)

Chairs:
Xin Zhang (Harbin Institute of Technology)
Keyi Li (Harbin Institute of Technology)

14:00-14:20	Joint Processing Method of Frequency-Diversity Difference and Co-Array Spatial Separation for Small-Aperture Arrays (invited) (#610)
	Di Yao, Jian Xie, Hexuan Qi, Qiushi Chen (Northeastern University)
14:20-14:35	Modified Barrick Spectral Equations for Ice-Coupled Scattering in HFSWR Sea Ice Monitoring (#95)
	Zichun Wang, Shujie Li, Songyuan Jiang, Guanglai Tan, Xiaoyu Jin, Xin Zhang (Harbin Institute of Technology)
14:35-14:50	Design of a 77-GHz Low-Sidelobe SIW Slot Array Antenna for Automotive Radar (#170)
	Fukang Wang, Zhongxiang Zhang, Lixia Yang (Anhui University)
14:50-15:05	All-Metal High-Order-Mode Cavity-Backed Slot Antenna Array in D-Band (#250)
	Yihui Wang (The 54th Research Institute of China Electronics Technology Group Corporation)
15:05-15:20	Design of a Low-Loss Vertical Transition for Opposite-Side Antenna–Circuit Integration in a Millimeter-Wave Fuze (#271)
	Yuanting Huang, Haibin Wang, Rui Zhang, Teng Long, Gan Zhang, Jiexuan Liu (Xi'an Institute of Electromechanical Information Technology)
15:20-15:35	Toward an Intelligent Ionospheric Digital Twin: Physics-Informed DeepONet–SAMI3 Electron-Density Specification for HF Ray Tracing under Quiet Conditions (#314)
	Jiayu Ma, Fandi Lin, Yutao Jiao, Fei Song, Haiyang Fu (Army Engineering University of PLA)

2026-10-24 pm
Room F

SPECIAL Session: SP2F
Advances in High Frequency Antennas and Electromagnetic Wave Propagation (Part II)

Chairs:
Xin Zhang (Harbin Institute of Technology)
Keyi Li (Harbin Institute of Technology)

16:00-16:20	Bragg-Constrained Echo Recovery for Skywave Radar under Ionospheric Phase Distortion and Transient Interference (invited) (#155)
	Hengzhe Tang, Yajun Li, Zhenyu Li, Zishuo Huang, Pengfei Wang, Baogang Ding (East China Normal University)
16:20-16:35	Design of a Compact W-Band Dual-Reflector Radar Antenna with Low Sidelobe and High Gain (#365)
	Feng Yan, Xinglong Liu, Yanfei Wu (The 54th Research Institute of CETC)
16:35-16:50	EM Duality Enables Scalar Huygens Radiation and Flat-Top Beam Synthesis in Fabry–PéRot Antennas (#402)
	Yanwen Chen, Stefano Maci (University of Siena)
16:50-17:05	Trustworthy Multi-UAV Spectrum Data Fusion Using Blind-Spot Self-Supervised Learning (#208)
	Mengchen Yao, Qipeng Tian, Han Zhang, Yu Han, Weiqing Zuo, Lantu Guo (College of Information and Communication Engineering, Harbin Engineering University)
17:05-17:20	Sensor-Aware Candidate Reranking with Distance-Aware Supervision for Sparse RSSI-Based 3D Localization (#599)
	Xin Gao, Junzhou Chen, Tongtong Zhu, Junjie Fan, Tongyu Ding, Yefeng Tong (Jimei University)
17:20-17:35	Electromagnetic Wave Scattering by a Thick Slit in a Conducting Slab (#663)
	Shuangbing Liu, Huayong Zhang (School of Integrated Circuits, Chaohu University)

2026-10-24 pm
Room G

SPECIAL Session: SP1G
Advanced Functionally Integrated Antennas and Circuits (Part I)

Chairs:
Shaoyong Zheng (Sun Yat-sen University)
Pengfei Hu (Sun Yat-sen University)

14:00-14:20	Model-Based Reinforcement Learning Optimization of Dual-Polarized Filtering Antenna (invited) (#355)
	Kai Huang, Yifan Xie, Yao Zhang (Xiamen University)
14:20-14:40	H-Plane Decoupling for a DRA Array with Artificial Electromagnetic Boundaries (invited) (#104)
	Jiaxuan Tang, Yongxi Song, Chaojun Ma, Rongrong Qian (Yunnan University)
14:40-14:55	Broadband Asymmetric Doherty Power Amplifier with Out-Phased Current and Finite Off-State Impedance Load Modulation (#232)
	Weilun Zhang, Baihua Zeng, Shaoyong Zheng, Zhixi Liang (School of Electronics and Information Technology, Sun Yat-Sen University, Guangzhou)
14:55-15:10	A Multi-Function Phased Antenna Array with Desirable Advantages (#132)
	Huan Zhang, Yaweng Wang, Jin Yao, Tao Ni, Guantao Chen, Yueqi Jing (Xi'an Research Institute of Navigation Technology)
15:10-15:25	Beam-Steering Anti-Jamming Antenna Reconfiguration for Polar-Region Applications (#99)
	Qiong Wu, Wei Hou, Wenbo Ji, Bohao Dong, Baoqiang Qi, Minglong Huang (Tianjin Navigation Instrument Research Institute)
15:25-15:40	An Impedance Matching Design for Broadband Absorption in Multifunctional Electrothermal Surfaces (#52)
	Hongbo Yang, Zhaowang Cao, Zhongshu Jiang, Yueqi Liang, Ling Miao, Jianjun Jiang (Huazhong University of Science and Technology)

2026-10-24 pm
Room G

SPECIAL Session: SP2G
Advanced Functionally Integrated Antennas and Circuits (Part II)

Chairs:
Shaoyong Zheng (Sun Yat-sen University)
Pengfei Hu (Sun Yat-sen University)

16:00-16:20	A Dual-Band Filtering Antenna with Enhanced Out-of-Band Suppression (invited) (#201)
	Yantong Wang, Guangshang Cheng, Lixia Yang (Anhui University)
16:20-16:35	A 1-Bit Radiation-Type Programmable Metasurface Antenna Element Based on a Magnetic Dipole (#197)
	Zaw Hein Htet, Mingzhe Zhu, Huanhuan Yang, Tong Li, Zexu Guo, Zhao Zhang (Air Force Engineering University)
16:35-16:50	Transparent Directional Filtering Antenna with Slotted Structure for Wearable Applications (#214)
	Runkai Song, Fan Qin, Tao Zhang (School of Communication Engineering, Xidian University)
16:50-17:05	Design of Silicon-Based Highly Integrated RF Front-Ends for Reconfigurable Antenna Arrays (#248)
	Shu Chen, Shiwei Sheng, Wenzhou Ruan (Nanjing Research Institute of Electronics Science)
17:05-17:20	Design of an Aerospace Modulation Power Supply for Power Amplifier (#291)
	Guobing Zhang, Ke Li (The 38th Research Institute of China Electronics Technology Group Corporation)
17:20-17:35	A Dual-Band Bandpass Filter Based on Transversal Signal-Interference Techniques (#325)
	Xuezhi Ding, Lijie Chen, Gengjiang Yao, Fan He, Peiliang Wang, Chongyao Ning (National Key Laboratory of Electromagnetic Effect and Security on Marine Equipment)
17:35-17:50	3-D RF Low-Pass Filter using Tsv/rdl Vertical Integration for Advanced Packaging (#400)
	Wavelet Wang, Xianbing Wang, Yanzhu Qi (Faraday Dynamics, Ltd.)
17:50-18:05	A Design of Bias-Tee Bias Circuit Applied to Satellite Navigation PoC Transmission (#100)
	Qiong Wu, Cai Hu, Wei Hou, Guowei Zhai, Yusong Bai, Pengfei Zou (Tianjin Navigation Instrument Research Institute)
18:05-18:20	Construction-Constrained Bernstein Synthesis of Joint Pitch--Width RDL Spiral Inductors for High-Q mmWave FOWLP Applications (#408)
	Shuhang Chen, Xinmeng Wang, Yuchong Sun, Qi Zhu (University of Science and Technology of China)
18:20-18:35	Impact of Neutral Winds on the Evolution of Ionospheric Depletion Following Chemical Releases (#77)
	Shucan Ge, Bin Xu, Shenquan Tao, Boyan Tao, Qinglin Zhu, Xiang Dong (China Research Institute of Radiowave Propagation)

2026-10-24 pm
Room H

SPECIAL Session: SP1H
Channel Measurement and Modeling for 6G Space-Air-Ground-Sea Integrated Networks (Part I)

Chairs:
Jianhua Zhang (Beijing University of Posts and Telecommunications)
Pan Tang (Beijing University of Posts and Telecommunications)
Kun Yang (Zhejiang Ocean University)

14:00-14:10	Special Issue Launch: “Maritime Channel Measurement and Channel Modeling” — Chinese Journal of Radio Science
	Kun Yang (Zhejiang Ocean University)
14:10-14:35	The Evolution of Land-Based Maritime Communication: Bridging Channel Characteristics and Product Development (invited)
	Kun Yang (Zhejiang Ocean University)
14:35-15:00	Channel Modeling for Space-Aerial-Terrestrial Integrated Networks (invited)
	Ke Guan (Beijing Jiaotong University)
15:00-15:25	Measurements and Modeling of E-band Millimeter-wave Propagation over Sea (invited)
	Xiang Gao (University of Electronic Science and Technology of China)
15:25-15:50	Adaptive Channel State Identification with Boundary Refinement for Low Earth Orbit Satellite Communications (invited)
	Guanjun Xu (Hangzhou Dianzi University)

2026-10-24 pm
Room H

SPECIAL Session: SP2H
Channel Measurement and Modeling for 6G Space-Air-Ground-Sea Integrated Networks (Part II)

Chairs:
Jianhua Zhang (Beijing University of Posts and Telecommunications)
Pan Tang (Beijing University of Posts and Telecommunications)
Kun Yang (Zhejiang Ocean University)

16:00-16:25	Integrated Sensing and Communication for Low-Altitude UAVs: Theory and Methods (invited)
	Hao Jiang (Southeast University)
16:25-16:50	Ocean surface wireless channel measurement and modeling (invited)
	Mi Yang (Beijing Jiaotong University)
16:50-17:15	Channel Measurement and Modeling from the space, air, to ocean for 6G (invited)
	Pan Tang (Beijing University of Posts and Telecommunications)

2026-10-24 pm
Room I

SPECIAL Session: SP1I
New Advances in Digital, Analog and Mixed Phased Arrays for Practical Applications

Chairs:
Chaoyun Song (Shenzhen University)
Luyu Zhao (Anhui University)
Mengguan Pan (Anhui University)

14:00-14:20	A Broadband 3D Printed Transmitarray Generating Broadband High-Order Vortex Beams in Terahertz Communication Systems (invited) (#572)
	Muhammad Ikram, Mazhar Islam, Jinyao Zhang, Junjie Zheng, Ijaz Khan, Chaoyun Song (Shenzhen University)
14:20-14:35	A Novel Framework for Transfer Effect of Agile Development in Pedagogy (#443)
	Xiaoxia Zhu, Qianqian Liu, Yanan Sun, Fang Sun (Qingdao Hengxing University of Science and Technology)
14:35-14:50	A KuKa Band Shared-Aperture Phased Array with Wide-Angle Scanning Ability (#441)
	Chong Chen, Yuke Guo, Luyu Zhao (Anhui University)
14:50-15:05	H-Shaped Slot-Coupled Broadband Antenna Array with Air Cavity Loading (#479)
	Zidie Wang, Luyu Zhao, Jianmin Zhang (Anhui University)
15:05-15:20	A Wide-Angle-Scanning Circularly Polarized Phased Array Using Multilayer Stacked-Patch Elements (#523)
	Ye Zhou, Zidie Wang, Luyu Zhao (Anhui University)
15:20-15:35	A Compact Triple-Band CPW-Fed Monopole with Oppositely Oriented Dual U-Slots (#528)
	Shouyin Ding, Chong Chen, Luyu Zhao (Anhui University)
15:35-15:55	A Compact Dual-Band Omnidirectional Antenna with a Printed LC Trap for Telemetry Applications (invited) (#513)
	Weijian Wang, Qing Zhang, Xinchen Wang, Luyu Zhao (Anhui University)

2026-10-24 pm
Room I

SPECIAL Session: SP2I
Fluid Antennas System and Reconfigurable Antennas

Chairs:
Baiyang Liu(Shenzhen Technology University)
Tuo Wu (South China University of Technology)
Kenneth Tong (Hong Kong Metropolitan University)

16:10-16:30	Integrity-Aware Channel Estimation for Pixel-Based Fluid Antennas under State-Block Corruption (invited) (#533)
	Tuo Wu, Kin-Fai Tong, Baiyang Liu, Jianchao Zheng, Zhenguan Wu (South China University of Technology)
16:30-16:50	Fluid Antennas: Progress in a Generalized Odd-Even Mode Theory Framework (invited) (#391)
	Wen Jun Lu (Nanjing University of Posts and Telecommunications)
16:50-17:05	PCA-Assisted Neural Network Surrogate for Fast Pattern Prediction of Pixel-Based Fluid Antennas (#430)
	Haizhe Liu, Yik-Chung Wu, Tuo Wu, Baiyang Liu, Kin-Fai Tong, Kwai-Man Luk (City University of Hong Kong)
17:05-17:20	A Millimeter-Wave Polarization Reconfigurable Antenna Using GeTe without Bias Lines (#65)
	Yefeng Zhang, Yunqi Fu (National University of Defense Technology)
17:20-17:35	A Broadband Phase-Reconfigurable Metasurface Antenna for Versatile Scattering Control (#256)
	Can Li, Huanhuan Yang, Tong Li, Tianhao Wu, Zhixiang Pan, Daifei Sun (Air Force Engineering University)
17:35-17:50	Wideband Polarization Plane Continuously Scannable Patch Antenna with High XPD (#306)
	Junhao Tong, Xing Zhao, Yushu Zhang, Ji Yang, Jian Liu (Nanjing University of Aeronautics and Astronautics)
17:50-18:05	A Cup-Shaped Water-Dielectric Loaded Antenna for Emergency Communications (#436)
	Bo Lin, Ling Zhou, Zhuo Guo, Chenkun Xu, Zhengxiang Luo, Qi Chen (Southwest University of Science and Technology)
18:05-18:25	Panel Discussion

2026-10-24 pm
Room J

SPECIAL Session: SP1J
AI-Driven Wireless Propagation and Channel Modeling toward Standardization (Part I)

Chairs:
Chen Huang (Purple MountainLaboratories & Southeast University)
Mi Yang (Beijing Jiaotong University)
Zhuangzhuang Cui (KU Leuven University)

14:00-14:25	Multipath-Aware Indoor THz RSS Map Prediction via Graph-Enhanced Skip-Connection Autoencoder (invited)
	Ke Guan (Beijing Jiaotong University)
14:25-14:50	Environment-Aware Channel Intelligence: From Radio Maps to Multipath Prediction (invited)
	Shu Sun (Shanghai Jiao Tong University)
14:50-15:15	Multi-modal intelligent channel modeling: From fine-tuned LLMs to pre-trained foundation models (invited)
	Lu Bai (Shandong University)
15:15-15:40	ChannelLM-enabled Online and Proactive Environment Intelligence Communication: Key Enabling Technologies and Prototype (invited)
	Li Yu (Beijing University of Posts and Telecommunications)

2026-10-24 pm
Room J

SPECIAL Session: SP2J
AI-Driven Wireless Propagation and Channel Modeling toward Standardization (Part II)

Chairs:
Chen Huang (Purple MountainLaboratories & Southeast University)
Mi Yang (Beijing Jiaotong University)
Zhuangzhuang Cui (KU Leuven University)

16:00-16:20	Channel Map-Enabled 7G Multi-Band Networking and Optimization (invited)
	Xiping Wu (Southeast University)
16:20-16:40	Hybrid Near-Field/Far-Field Channel Parameter Estimation, Characterization, and Simulation at THz Bands (invited)
	Hengtai Chang (Shandong University)
16:40-17:00	Towards Reliable UAV Connectivity: Channel Modeling and Prediction in Low-Altitude Environments (invited)
	Boyu Hua (Nanjing University of Aeronautics and Astronautics)
17:00-17:15	Channel Semantic Characterization for Dynamic Vehicular ISAC Scenarios
	Zhengyu Zhang (Beijing Jiaotong University)
17:15-17:30	Acceleration of Ray Tracing Algorithm Based on Ear Clipping Technique (#432)
	Xunjie He, Zhongyu Liu, Zuoyong Nan, Zhigang Zhong (School of Physics, Xidian University)
17:30-17:45	A Hybrid RT-FDTD Method for Tunnel Radio Propagation via Time-Domain Boundary-Field Reconstruction (#448)
	Zhuangzhuang Wang, Lianning Cai, Lijing Wang, Guanjun Xu, Zhaohui Song (Hangzhou Dianzi University)
17:45-18:05	Panel Discussion

2026-10-24 pm
Room K

SPECIAL Session: SP1K
Multi-Mode and Multi-Port Antenna (Part I)

Chairs:
Junping Geng (Shanghai Jiaotong University)
Nengwu Liu (Xidian University)

13:00-13:20	Research Progress of High-Performance Shared-Aperture Multi-Mode Antenna (invited) (#134)
	Nengwu Liu (Xidian University)
13:20-13:35	Over-the-Air Testing for Carrier Aggregation MIMO Using MPAC-Based Method (#40)
	Yuchen Wang, Guanghui Liu, Aimin Wang, Na Wang (China Academy of Information and Communications Technology (CAICT))
13:35-13:50	Design of Ku-Band Dual-Polarized Low-Sidelobe Waveguide Slot Array (#89)
	Qianqian Xiong, Qilong Yan, Nengwu Liu (Xidian University)
13:50-14:10	Phase Mode Antennas for Wide-Angle Direction Finding with Amplitude-Comparison Technique (invited) (#586)
	Junping Geng, Minrui Zou, Jinke Shi, Heci Liu (Shanghai Jiao Tong University)
14:10-14:25	A Slot-Loaded Dual-Band Dual-Polarized Magneto-Electric Dipole Antenna for Sub-6 GHz Applications (#61)
	Ming Yang, Chenglong Xiao, Yuanchenxi Yao, Jinzhi Zhou (West Anhui University)
14:25-14:40	A Planar Dual-Band Dual-Polarized Shared-Aperture Phased Array Antenna Element Design (#249)
	Mingxia Meng, Junping Geng, Yong Yu (Beijing Research Institute of Telemetry)

2026-10-24 pm
Room K

SPECIAL Session: SP2K
Multi-Mode and Multi-Port Antenna (Part II)

Chairs:
Junping Geng (Shanghai Jiaotong University)
Junbing Duan (Southwest JiaoTong University)

15:00-15:20	Decoupling Technique Using Metal Rings for MIMO Antenna Arrays (invited) (#116)
	Aidi Ren, Aijia Ding, Seng Wu, Lixia Yang (Anhui University)
15:20-15:40	Multi-Band and High-Efficiency Transparent Antenna on Lens for Metal-Framed Smart Glasses (invited) (#515)
	Ziheng Ding, Yongxin Guo (City University of Hong Kong)
15:40-15:55	A Quad-Port PMA with Wide Scanning Angle and MIMO MIMO Capability (#386)
	Jinke Shi, Heci Liu, Minrui Zou, Yu Han, Chen Gai, Junping Geng (Shanghai Jiao Tong University)
15:55-16:10	A Single-Layer Dual-Mode Microstrip Patch Antenna with Capacitive Coupling Characteristic (#80)
	Hang Xu (RML)
16:10-16:25	A Compact Multiband Smartwatch Patch Antenna for Bluetooth, Wi-Fi, and 5G Applications (#117)
	Honghao Qiu, Haibing Ding, Qianzhong Xue, Rui Liang, Zhonghao Ji, Dengfeng Lu (University of Chinese Academy of Sciences, Aerospace Information Research Institute)
16:25-16:40	A Wide-Beam U6G Antenna Using a Shorting-Post-Loaded Metallic Ring (#147)
	Sihan Song, Langcheng Wan, Nengwu Liu, Juan Lei (Xidian University)

2026-10-24 pm
Room K

SPECIAL Session: SP3K
Multi-Mode and Multi-Port Antenna (Part III)

Chairs:
Nengwu Liu (Xidian University)
Jingfeng Chen (Shanghai Jiaotong University)

17:00-17:15	A High-Isolation Tri-Band Dual-Port Antenna for Router Applications (#70)
	Wenrui Zheng, Hui Li (Dalian University of Technology)
17:15-17:30	Harmonic-Dependent Range-Angle Deception Based on Dual-Branch Time Modulation and Cross-Polarized Retransmission (#269)
	Yu Xia, Xinyu Li, Xiaonan Zhao, Yuehang Sun, Jingfeng Chen, Ronghong Jin (Shanghai Jiao Tong University)
17:30-17:45	A Low-Profile Dual-Polarized Magneto-Electric Dipole Antenna for 5G Base Stations (#284)
	Hongming Xiang, Chong Zhang, Xueqi Zhang, Aibo Wen (Shenyang University of Technology)
17:45-18:00	Analysis of the Identifiability of Secure Communication Information Based on Time-Modulated Arrays (#290)
	Xiaonan Zhao, Zhen Gu, Shufan Ge, Yu Xia, Jingfeng Chen, Ronghong Jin (China Ship Develop and Design Center)
18:00-18:15	A Ka-W Dual-Band Co-Aperture Monopulse Cassegrain Antenna (#310)
	Zhiwei Zhou, Jiale He, Wenyuan Li (State Key Laboratory of Millimeter Waves Southeast University, Jiangnan Electromechanical Design and Research Institute)
18:15-18:30	Joint Optimization of Task Assignment and Path Planning for Multi-UAV Systems in Urban Environments (#531)
	Jialin Wei, Changsheng Lu, Qingling Liu, Hongyuan Gao (Harbin Engineering University)

2026-10-24 pm
Room L

SPECIAL Session: SP1L
Plasmonic Metamaterials and Distributed Functional Metasurfaces

Chairs:
Wenxuan Tang (Southeast University)
Weihan Li (University of Macau)

14:00-14:20	NLOS Human Activity Detection via 1-Bit Metasurface: A Joint Time-Frequency and Polarimetric Analysis (invited) (#251)
	Fangyuan Qi, Ruichao Zhu, Jiafu Wang (Air Force Engineering University)
14:20-14:40	Scalable and Hardware-Efficient Multi-Partition Cross-Modulation RIS for Wireless Communications (invited) (#175)
	Junwei Zhang, Zhenjie Qi, Huidong Li, Junyan Dai, Gengbo Wu, Qiang Cheng (City University of Hong Kong)
14:40-14:55	An Ultra-Broadband Polarization Rotating Reflective Surface for the Reduction of Radar Cross Section (#91)
	Xin Mu (The Xi'an Research Institute of Navigation Technology)
14:55-15:10	A P-X Band Electromagnetic Absorber Based on Hybrid SSPP Slow-Wave and Resonant Fast-Wave Mechanisms (#276)
	Zixiang Pan, Huanhuan Yang, Tong Li, Zexu Guo, Can Li, Tianhao Wu (Air Force Engineering University)
15:10-15:25	Application of a Programmable Metasurface to Online Condition Monitoring of Submarine Cables in Offshore Wind Farms (#587)
	Boyang Qu (The Hong Kong University of Science and Technology)
15:25-15:40	Direction-of-Arrival Estimation via Reconfigurable Distributed Antennas and Reflecting Surfaces Using Signal-Channel Transmission Signatures (#641)
	Weihan Li, Mengliang Li, Fuchao He, Shaodan Ma (University of Macau)

2026-10-24 pm
Room L

SPECIAL Session: SP2L
Practical Multiphysics Engineering for Deployable Antenna Arrays and Metamaterial Sensing Devices

Chairs:
Kwok L. Chung (Guangzhou Institute of Science and Technology)
Hailiang Zhu (Northwestern Polytechnical University)

16:00-16:15	A Broadband Low-Profile Omnidirectional Cross-Plate Monopole Antenna (#168)
	Siyue Wang, Hailiang Zhu, Yujing Liu, Yuqi Zhou (Northwestern Polytechnical University)
16:15-16:30	A Modal Surface Impedance Surrogate for Broadband FDTD Modeling of Planar Absorbers (#181)
	Kun-Lai Li, Zhengpeng Wang, Yongjun Xie (Beihang University)
16:30-16:45	Thermal-Electromagnetic Multiphysics Analysis of Planar Antennas with Opposite Temperature Drifts (#468)
	Yaowen Wu, Pingchuan Xu, Kwok Chung, Liwen Liang, Zhenkun Chen, Jianguang He (Guangzhou Institute of Science and Technology)
16:45-17:00	A Terahertz Photomechanical Detector Based on a Reverse-Stacked Folded Bimaterial Cantilever (#184)
	Yujing Liu, Hailiang Zhu, Haochen Liao, Siyue Wang, Yuqi Zhou, Peng Wu (Northwestern Polytechnical University)
17:00-17:15	High-Isolation Magnetoelectric Dipole Pair with Chamfered Parasitic Elements (#185)
	Yuqi Zhou, Hailiang Zhu, Yujing Liu, Siyue Wang (Northwestern Polytechnical University)
17:15-17:30	Design of Wideband Flexible Conformal Antenna Array with High Gain and Low Scattering (#619)
	Can Tang, Chang Lu, Xinjie Li (Hunan Institute of Engineering)
17:30-17:45	Multiphysics Simulation of Electromagnetic Irradiation Effects on Thermal Stress and Deformation in Surface-Mount Chip Packages (#659)
	Haili Zhang, Song Ye, Gen Wang (Chaohu University)

2026-10-24 pm
Room M

SPECIAL Session: SP1M
Advanced Antenna Technologies for Practical Applications and Their Measurement Techniques (Part I)

Chairs:
Guanlong Huang (Foshan University)
Xiaoming Chen (Xi'an Jiaotong University)

14:00-14:20	A Wideband Horn Antenna with Hybrid Forward–Inverted Ridges for Stable High Gain (invited) (#456)
	Miaoshan Song, Zhengpeng Wang (Beihang University)
14:20-14:40	Diagnosis of Spherical Conformal Array Based on Spherical Spatial Deconvolution (invited) (#352)
	Junhao Zheng, Yuxin Ren, Hao Sun, Guan-Long Huang, Xiaoming Chen (Xi'an University of Science and Technology)
14:40-14:55	Wideband All-Metal Vivaldi Antenna (#406)
	Jie Wang, Zhiyong Luo, Qiaosheng Ma, Hongbin Chen (Sun Yat-Sen University)
14:55-15:10	Measuring the Absorption Cross Section of Flexible Shielding Material in a Reverberation Chamber (#559)
	Jiachao Liu, Zenan Xia, Yongcheng Song, Jingxin Tang, Lei Xing, Qian Xu (Nanjing University of Aeronautics and Astronautics)
15:10-15:25	A High-Gain Dual-Band Antenna Based on a Two-Layer Stacked Structure (#418)
	Mingluo Liu, Qiling Yang, Zhiyong Luo (Sun Yat-Sen University)
15:25-15:40	Ultra-Wideband Horn Antenna for Time-Domain SVSWR Testing (#564)
	Yujie Zhang, Tieying Feng, Feng Fang, Jiachao Liu, Lei Xing, Qian Xu (Nanjing University of Aeronautics and Astronautics)

2026-10-24 pm
Room M

SPECIAL Session: SP2M
Advanced Antenna Technologies for Practical Applications and Their Measurement Techniques (Part II)

Chairs:
Guanlong Huang (Foshan University)
Xiaoming Chen (Xi'an Jiaotong University)

16:00-16:20	Batch Adaptive Bayesian Sampling with TimeAware Probe Path Optimization for Planar Near-Field Measurement (invited) (#417)
	Jianchuan Wei, Yuxin Ren, Hao Sun, Xiaoming Chen (Xi'an Jiaotong University)
16:20-16:40	Design of an Antipodal Vivaldi Ultra-Wideband Antenna (invited) (#651)
	Junjie Ren, Yuzhong Wang, Hongbing Liu, Yinghan Wang, Ziang Yue, Jiaran Qi (Harbin Institute of Technology)
16:40-16:55	PyAEDT-Based Automated Co-Optimization of Camera Placement and Pixelated PCB Topology for Multi-Band Metal-Frame Smartphone Antennas (#421)
	Sheng Li, Xinru Chen, Fengpeng Liu, Liping Liu, Bing Wei (Terminal Hardware Department ZTE Corporation)
16:55-17:10	Multi-Band Single-Reflector Quasi-Optical Antenna for Blackbody Reflectivity Measurement (#481)
	Peilun Li, Ming Jin, Xinyang Fang (Beijing University of Chemical Technology)
17:10-17:25	Design of Compact Antenna Test Range Feed Source Lens in W-Band (#569)
	Sili Qin, Yining Liu, Jia-Yike Liu, Lin Peng (Guilin University of Electronic Technology)
17:25-17:40	Measuring the Field Uniformity and Isotropy Using an Electro-Optic Probe in a Reverberation Chamber (#626)
	Wenjun Xia, Bo Peng, Feng Tian, Ling Wang, Lei Xing, Qian Xu (Nanjing University of Aeronautics and Astronautics)

2026-10-24 pm
Room N

SPECIAL Session: SP1N
Advanced Techniques in Antenna Array Design, Optimization and Application (Part I)

Chairs:
Le Zuo (The 29th Research Institute of China Electronics Technology Group Corporation)
Pengfei Gu (Nanjing University of Science and Technology)

14:00-14:20	Curvature and Material Effects on 3D-Printed Flexible Split - Square Resonator - Based Metamaterials (invited) (#311)
	Letao Geng, Mingjun Lai, Jianwei Zhong, Ioannis Vardaxoglou (South China University of Technology)
14:20-14:40	Iterative FFT Techniques for Sparse Arrays Synthesis Based on Relaxed Filling Constraints (invited) (#326)
	Junxiao Wang, Run Zhu, You Ting Yin, Tong Liu (Research Institute of CSSC)
14:40-14:55	Robustness of MVDR Adaptive Beamforming for VLF Planar Arrays under Strong Interference (#322)
	Ju Liu (China Research Institute of Radiowave Propagation)
14:55-15:10	A Neural-Network-Based Shape Reconstruction Method for Flexible Antenna Arrays (#346)
	Shilin Zhang, Shunxi Lou, Wei Wang, Sihao Qian (Xidian University)
15:10-15:25	A Low Cut-Off Frequency Ultra-Wideband Miniaturized Double-Ridged Horn Antenna for Direction Finding (#374)
	Jiansong Chen, Xiangqiang Li (Southwest Jiaotong University)
15:25-15:40	LPI Beamforming in Time-Modulated Arrays Using Hybrid Quantized-Chaotic Phase Modulation (#399)
	Haotian Li, Xingguo Jin, Yuxin Pang (University of Electronic Science and Technology of China)

2026-10-24 pm
Room N

SPECIAL Session: SP2N
Advanced Techniques in Antenna Array Design, Optimization and Application (Part II)

Chairs:
Le Zuo (The 29th Research Institute of China Electronics Technology Group Corporation)
Pengfei Gu (Nanjing University of Science and Technology)

16:00-16:20	Research Progress on High-Temperature Resistant Antennas Materials (invited) (#630)
	Zhongyi Yin, Xiaowei Sun (The 38th Research Institute of CETC)
16:20-16:35	A Highly Integrated X-Band 8×8 Active Phased Array Antenna Based on Multilayer PCB Technology (#438)
	Xiang Gao, Zhenxin Cao (Southeast University)
16:35-16:50	Design of a via-Less Dual-Metallic-Layer Polarization-Rotating Transmitarray Unit Cell Operating in the Millimeter-Wave Band (#447)
	Ronghui Zhang, Minhuan Qiao, Yuanpei Hu, Hanxin Geng, Wenlong Yan, Ke Li (Northwest University)
16:50-17:05	Dual-Circularly Polarized Waveguide Array Antenna for K-/Ka-Band Satellite Communications (#465)
	Hui Zhao, Pengfei Gu, Shuyi Chen, Yang Xie, Yankun Meng, Tiancheng Zhang (Nanjing University of Science and Technology)
17:05-17:20	A Wideband Dual-Slot-Loaded Microstrip Antenna Array (#466)
	Rumeng Ma, Zhongxiang Zhang, Fukang Wang (Hefei Normal University)
17:20-17:35	Dual-Polarized Spoof Surface Plasmon Polariton Leaky-Wave Antenna with Dual-Slot Radiating Elements (#433)
	Min Gui, Jie Wang, Foxiang Liu, Pin Wen, Chaoqun Zhang (Nanchang University)
17:35-17:50	A Wideband Wide-Angle Scanning L-Probe Fed Patch Antenna Array with Parasitic Structures (#567)
	Yu Sheng, Zhenxin Cao (Southeast University)
17:50-18:05	A Dual-Polarized Bilayer Polarization-Asymmetric Impedance-Matching Surface for Ultrawideband Wide-Angle Scanning Arrays (#590)
	Huaimin Zhou, Shengchi Zhu, Zhenxin Cao (Southeast University)

2026-10-25 am
Room F

SPECIAL Session: SA1F
Electromagnetic Metasurfaces and Their Applications in Array Antennas (Part I)

Chairs:
Hang Yu (Anhui University)
Shi Sun (Anhui University)

08:30-08:50	Camera-Free Tracking Far-Field Wireless Power Transfer Using a Programmable Metasurface (invited) (#154)
	Huidong Li (Southeast University)
08:50-09:10	Resistively Loaded Antenna Array with Continuous Amplitude Control for Shaped-Beam Synthesis (invited) (#338)
	Hang Yu (Anhui University)
09:10-09:25	Frequency-Multiplexing Programmable Metasurfaces: Applications in Dynamic Spectrum Cooperation and Adaptive Multi-Target Wireless Communications (#442)
	Yilin Zheng, Yijun Feng (Soochow University)
09:25-09:40	Rotation-Reconfigurable Generation and Steering of Focused Terahertz Orbital Angular Momentum Beams Using Bilayer Cascaded Metasurfaces (#169)
	Shujie Liu, Pengfei Zhao, Tiaoming Niu, Zhonglei Mei (Lanzhou University)
09:40-09:55	Synthesis Method for Microwave Absorber at Extremely Large Incident Angles (#180)
	Zhenting Chen, Yanqiu Jia, Zhongxiang Shen (Beijing Institute of Technology)
09:55-10:10	Electromagnetically Transparent Shared-Aperture Base Station Antenna With Angularly Stable Low-Band FSS Radiators (#252)
	Minghao Liu, Yejun He (Shenzhen University)

2026-10-25 am
Room F

SPECIAL Session: SA2F
Electromagnetic Metasurfaces and Their Applications in Array Antennas (Part II)

Chairs:
Hang Yu (Anhui University)
Shi Sun (Anhui University)

10:25-10:45	A Dual-Band and Reusable Film-Covered Optically Transparent Huygens Metasurface (invited) (#549)
	Liang Wei Wu, Jun Hu (Hefei University of Technology)
10:45-11:05	A Folded Transmit-Reflect-Array Antenna for Bidirectional Circularly-Polarized Quad-Beam Radiation with Flexible Energy Allocation (invited) (#356)
	Shi Sun (Anhui University)
11:05-11:20	A Dual-Polarized Spatiotemporal Metasurface for Multifunctional Manipulation of Radiation and Reflection Waves (#603)
	Han Wei Tian, Xin Li, Wei Xiang Jiang (Southeast University)
11:20-11:35	Design of Reconfigurable Intelligent Surface Element Based on Receive-Function-Transmit Architecture (#457)
	Jing Cheng Liang, Liang Wei Wu (Hefei University of Technology)
11:35-11:50	Broadband Independent Control of Polarization and Phase with Polarization-Insensitive Response (#620)
	Wei Liu (Anhui Province Key Laboratory of Simulation Calculation and Design for Electronic Information System, Hefei Normal University, China)
11:50-12:05	A Dual-Strategy Transmitarray Design with Low Sidelobes, Wideband Flat Gain, and Low Profile (#526)
	Xiaonan Jiang, Steven Gao (The Chinese University of Hong Kong)

2026-10-25 am
Room G

SPECIAL Session: SA1G
Millimeter-Wave and Terahertz Solid-State Circuits and Systems Technology

Chairs:
Zhongqian Niu (University of Electronic Science and Technology of China)
Xu Yan (Harbin Institute of Technology, Shenzhen)

08:30-08:50	Terahertz Solid-State Device and System Technology Research (invited) (#672)
	Zhongqian Niu, Bo Zhang, Yong Fan (University of Electronic Science and Technology of China)
08:50-09:10	A 12.05–14.98-GHz DCO with Broadband Transformer-Based Tail Filtering in 65-nm CMOS (invited) (#617)
	Guanxu Xiang, Jinshuai Li, Dongze Zheng, Rong Jiang (University of Electronic Science and Technology of China)
09:10-09:25	A 195 GHz Amplifier Based on over Neutralization Technique and Coupled Transmission Lines in 40 nm CMOS (#202)
	Haocheng Cai, Qun Yu (Academy of Opto-Electronic)
09:25-09:40	A 23.6–50.4-GHz Current-Reuse-Enhanced Dual-Path Noise-Canceling LNA in 65-nm CMOS (#263)
	Weijie Wang, Yifan Zhao, Dongze Zheng, Rong Jiang (University of Electronic Science and Technology of China)
09:40-09:55	Compact Sixth-Order Millimeter Wave Bandpass Filter Design Based on Additive Micromachining Technique (#666)
	Nan Wang, Songbo Cheng, Lei Wang, Wei Wu, Guangwei Yang, Peng Cheng (Power Research Institute of State Grid Shaanxi Electric Power Corporation Limited)
09:55-10:10	High-Performance Wideband Distributed Building Blocks for Advanced RFFMs (#671)
	Xu Yan (Harbin Institute of Technology (Shenzhen))

2026-10-25 am
Room G

SPECIAL Session: SA2G
Special Session on ITU Radio Wave Propagation Effects and Applications

Chairs:
Bolun Guo (Huawei Technologies Co., Ltd.)
Haiying Li (China Research Institute of Radiowave Propagation)

10:25-10:45	High-Frequency MUF Prediction Based on IRI-2020 and Three-Dimensional Ray Tracing (invited) (#573)
	Ming Ou, Jiayi Li, Chao Han, Dongxu Wang, Longjiang Chen (Shandong University of Science and Technology)
10:45-11:05	Fitting and Validation of the Rain Attenuation Path Adjustment Factor Based on Measured Data at Haikou Station (invited) (#652)
	Changsheng Sun, Leke Lin, Qiang Zhang (China Research Institute of Radio Wave Propagation)
11:05-11:20	Impact of Uniform Ionospheric Vertical Resolution on the Accuracy of High-Frequency Radio-Wave Ray Tracing (#611)
	Jiawen Li, Huimin Li, Lixin Guo (Xidian University)
11:20-11:35	Study on the PD Transforms Characteristics of Radio Wave Propagation under TIDs in IRI Model (#615)
	Guoli Li, Huimin Li, Lixin Guo (School of Physics, Xidian University)
11:35-11:50	Numerical Verification of Ray-Path Reciprocity in Three-Dimensional HF Ionospheric Ray Tracing (#618)
	Haoyu Liang, Huimin Li, Lixin Guo, Dalin Ye, Jiawen Li, Guoli Li (School of Physics, Xidian University)
11:50-12:05	Fast Ray Tracing for UAV Link Assessment in Urban Environments (#664)
	Jianing Bai, Leke Lin, Qiang Zhao, Junhao Liu (China Research Institute of Radio Wave Propagation)
12:05-12:20	Study on Rain Attenuation Data Processing Method at Haikou(#665)
	Xiong Qiang, Haiying Li, Changsheng Sun, Leke Lin, Zhong Wang (National Key Laboratory of Electromagnetic Wave Propagation,China Research Institute of Radio Wave Propagation)

2026-10-25 am
Room H

SPECIAL Session: SA1H
Circularly Polarized Antennas and Arrays (Part I)

Chairs:
Yanbin Luo (East China Research Institute of Electronic Engineering)
Guanghui Xu (Anhui University)
Jie Wu (Hefei Normal University)

08:30-08:45	A Millimeter-Wave Circularly Polarized Wideband Microstrip Patch Phased Array (#238)
	Yanjing Shi, Yujian Li, Junhong Wang (Beijing Jiaotong University)
08:45-09:00	An Ultra-Wideband Antenna Array Based on Novel Layout (#15)
	Yali Yao, Haidan He, Yichuan Liu, Xiumei Li, Jian Wen, Yuhong Liang (Southwest Electronic Technology Research Institute)
09:00-09:20	Dual-Band Dual-Polarized Shared-Aperture Antenna for SAR with Low Cross-Polarization and High Isolation (invited) (#17)
	Xin Fang (The East China Research Institute of Electronic Engineering)
09:20-09:35	Characteristics of Spaceborne Arbitrarily Oriented Loop Antennas Under Dynamic Ionospheric Parameters (#33)
	Zhiqiang Chai, Dudu Huang, Huiran Zeng, Tong He, Kai Li (Xidian University)
09:35-09:50	Mechanism of Phased Array Antenna Beamforming and Analysis of Influencing Factor on 3dB Bandwidth (#31)
	Meng Wang, Rongfei Hu, Hao Wang, Minghui Cai, Juan Yang (National Radio Monitoring Center Urumqi Monitoring Station)
09:50-10:05	GPR- and PPO-Assisted On-Off Sparse Optimization of Regular Polygonal Planar Arrays (#59)
	Xiaodong Zheng, Zhihui Yao, Xingao Zhu, Jun Ouyang, Feng Yang (The 54th Research Institute China Electronics Technology Group Corporation)

2026-10-25 am
Room H

SPECIAL Session: SA2H
Circularly Polarized Antennas and Arrays (Part II)

Chairs:
Yanbin Luo (East China Research Institute of Electronic Engineering)
Guanghui Xu (Anhui University)
Jie Wu (Hefei Normal University)

10:25-10:45	A Low-Profile L-/S-Band Dual-Circularly Polarized Antenna Enabled by a Dual-Branch Feed (invited) (#164)
	Qinwei Chen, Chunxu Mao, Xudong Cai (South China University of Technology)
10:45-11:00	Broadband Wide-Angle Scanning Circularly Polarized Concentric Ring Antenna Array (#75)
	Zhaosong Liu, Zhao Li, Ying Liu (Nanjing Research Institute of Electronics Technology)
11:00-11:15	Wideband Circularly Polarized Antenna Array (#153)
	Yaru Wang, Jing Miao, Jia Fang, Xiaolin Zhang (The 38th Research Institute of China Electronic Technology Group)
11:15-11:30	A Circularly-Polarized Metasurface Waveguide Linear Array with Beam Scanning Across the Broadside (#192)
	Xinquan Luo, Zhao Wang, Yuehe Ge, Guirong Feng, Ziheng Zhou (Fuzhou University)
11:30-11:45	Design of a Dual-Circularly-Polarized Dipole Antenna Array (#512)
	Yihao Zuo, Yangdong Yan, Shenda Xing, Wenhan Zhang, Mengyao He (Xi'an Institute of Electromechanical Information Technology)
11:45-12:00	Circularly Polarized Beam-Scanning Transmitarray Based on Random Geometric Phase Presetting for C-Band Satellite Applications (#401)
	Jie Wu, Yanbin Luo, Jun Hu (Hefei Normal University)

2026-10-25 am
Room I

SPECIAL Session: SA1I
Advances and Applications of Near-Field Scattering Modeling and Testing (Part I)

Chairs:
Biao Wang (Shanghai Radio Equipment Research Institute)
Xiaolin Mi (Shanghai Radio Equipment Research Institute)

08:30-08:50	Study on Multi-Dimensional Scattering Characteristics of Microwave Scattering from Sea Surface under High Sea State (invited)
	Yunhua Wang (Ocean University of China)
08:50-09:10	Near-Field PO+MEC RCS Computation with Full-Wave Validation for Proximity Fuze Targets (invited) (#145)
	Tuan Li, Gang Li, Yali Hou, Shipeng Wang, Chi Zhang (National Key Laboratory of Proximity Detection and Control, Xi'an Institute of Electromechanical Information Technology)
09:10-09:25	Near-Field Encounter Echo Signal Simulation Based on Improved SBR Method (#366)
	Wenhui Hu, Zun Zhang, Yuanfei Hui, Yue Xie, Tiantian Feng, Gang Li (National Key Laboratory of Proximity Detection and Control)
09:25-09:40	Full-Polarimetric RCS Measurement Technique for Targets Based on Terahertz Time-Domain Spectroscopy (#297)
	Yan Du, Zhen Wu, Yajun Wu, Yi Liao (National Key Laboratory of Scattering and Radiation Shanghai Radio Equipment Research Institute)
09:40-09:55	Echo Characteristics of Pulsed Laser Fuze in Fog Based on Monte Carlo Simulation (#585)
	Chi Zhang, Sicheng Gao, Juntao Cui, Jing Li, Tuan Li, Tie Li (National Key Laboratory of Proximity Detection and Control)
09:55-10:10	Inversion Method for Fuze Rendezvous Parameters Based on Gaussian Process and Bayesian Optimization (#584)
	Juntao Cui (National Key Laboratory of Proximity Detection and Control)

2026-10-25 am
Room I

SPECIAL Session: SA2I
Advances and Applications of Near-Field Scattering Modeling and Testing (Part II)

Chairs:
Biao Wang (Shanghai Radio Equipment Research Institute)
Xiaolin Mi (Shanghai Radio Equipment Research Institute)

10:25-10:45	Research on Near-Field Attribute Scattering Center Modeling and Related Applications (invited) (#331)
	Xinyi He, Xiaolin Mi, Tongtong Lu, Zeng Yang, Ming Feng (National Key Laboratory of Scattering and Radiation)
10:45-11:05	Study on the Characteristics of Coherent Laser Echoes in Complex Atmospheric Environments (invited) (#667)
	Wenbo Chang, Liguo Wang (Xi'an Technological University)
11:05-11:20	Near Field Computation of a Finite Periodic Array of Square Conducting Cylinders Using the Nyström Method (#203)
	Jiayu Lyu, Bing Wei, Guopeng Ji, Xudong Han (Xidian University)
11:20-11:35	Modeling Electromagnetic Parameters of Heterogeneous Fiber Reinforced Composites (#270)
	Yanan Chen, Wenyan Yin, Yi Liao, Yuan Zhang, Haicheng Zhang, Guochang Shi (Zhejiang University)
11:35-11:50	Sparse Representation for Radar Target Imaging with Non-Uniform Angular Sampling (#458)
	Yongchen Li, Yan Du, Peiying Shi, Biao Wang (Shanghai Radio Equipment Research Institute)
11:50-12:05	Multicomponent Electromagnetic Detection of Deeply Buried Targets (#126)
	Xin Shi, Zhiqiang Li, Junyan Lin, Xiufeng Ji, Fangong Li, Wentao Cui (Henan Normal University, China Research Institute of Radiowave Propagation)

2026-10-25 am
Room J

SPECIAL Session: SA1J
Cognitive Twin of Low-Altitude Electromagnetic Environment: Technologies and Applications (Part I)

Chairs:
Qiuming Zhu (Nanjing University of Aeronautics and Astronautics)
Wei Wang (Chang'an University)

08:30-08:50	Bringing 5G to the Rails: Channel Measurements and Performance Evaluation (invited)
	Marion Berbineau (Université Gustave Eiffel)
08:50-09:10	Secure and Covert Transmission Schemes in Near Field Communication (invited)
	Liang Yang (Hunan University)
09:10-09:30	Radio Map-Assisted UAV Target Localization and Tracking in Complex Terrain Environments (invited)
	Chen He (Northwest University)
09:30-09:50	Diffusion-Based Channel Extrapolation, Generation and Denoising (invited)
	Yang Lu (Beijing Jiaotong University)
09:50-10:10	Event-Adaptive Motion Planning with Distilled Vision-Language Model in Safety-Critical Situations (invited)
	Changsheng You (Southern University of Science and Technology)

2026-10-25 am
Room J

SPECIAL Session: SA2J
Cognitive Twin of Low-Altitude Electromagnetic Environment: Technologies and Applications (Part II)

Chairs:
Qiuming Zhu (Nanjing University of Aeronautics and Astronautics)
Wei Wang (Chang'an University)

10:25-10:45	Intelligent Low-Altitude Radio Map Construction with Beamforming and Application Platforms (invited)
	Nan Cheng (Xidian University)
10:45-11:05	6G/B6G Channel Map Construction and Enabling Applications (invited)
	Chen Huang (Purple Mountain Laboratories)
11:05-11:25	Fixed-Point Fading in Maritime Radio Propagation: Measurements, Mechanisms, and Atmospheric Effects (invited)
	Ruifeng Gao (Nantong University)

2026-10-25 am
Room K

SPECIAL Session: SA1K
Artificial Intelligence for Computing: Theories, Methods and Applications (Part I)

Chairs:
Haiyang Fu (Fudan University)
Maokun Li (Tsinghua University)

08:30-08:50	Physics-Guided MSAP-Transformer for Rapid Atmospheric Duct Height Inversion from Propagation Loss (invited) (#140)
	Ziliang Wei, Huaiyun Peng, Luoyou Shan, Xiaomei Zhao, Chang Su, Jiajing Wu (National Key Laboratory of Electromagnetic Wave Propagation, China Research Institute of Radiowave Propagation)
08:50-09:10	High-Precision Polar Ionospheric Modeling Using DCS-DMD and a Hybrid Background Model (invited) (#405)
	Yun Sui, Haiyang Fu (Shanghai University)
09:10-09:25	Research on Target Physical Parameter Inversion in the Terahertz Band Based on Deep Learning (#20)
	Yanqi Guo, Jinchun Li, Liangsheng Li, Jiawei Huang (National Key Laboratory of Scattering and Radiation)
09:25-09:40	Open-Set Modulation Recognition Based on Random Forest and Class-Conditional Isolation Forest (#28)
	Ledi Wang, Zhong Li, Lantu Guo (China Research Institute of Radiowave Propagation)
09:40-09:55	Fast Radiated Field Prediction of Patch Antennas Based on PSO-BP Neural Network (#277)
	Yu Bai, Guochang Shi, Yi Liao (Shanghai Radio Equipment Research Institute, Shanghai Key Laboratory of Electromagnetic Environmental Effects for Aerospace Vehicle)
09:55-10:10	Image Reconstruction for Unmanned Aerial Vehicle Platform Based on Spike Vision (#23)
	Yuxiang He, Kaili Yang, Zitong Li, Ruihu Wen, Wei Chen, Gan Zhang (National Key Laboratory of Proximity Detection and Control)

2026-10-25 am
Room K

SPECIAL Session: SA2K
Artificial Intelligence for Computing: Theories, Methods and Applications (Part II)

Chairs:
Haiyang Fu (Fudan University)
Maokun Li (Tsinghua University)

10:25-10:45	Research on Radio Wave Propagation from the Perspective of Cyberspace Information System (invited) (#195)
	Fukai Li (China Academy of Electronics and Information Technology)
10:45-11:00	A Lightweight Image Matching and Registration Algorithm for Unmanned Aerial Vehicle Platforms (#22)
	Kaili Yang, Zitong Li, Ruihu Wen, Wei Chen, Chaoran Zhang, Yuxiang He (National Key Laboratory of Proximity Detection and Control)
11:00-11:15	A Method for Rapidly and Accurately Measuring the Lengths of Multiple Shortwave Balanced Feeders (#13)
	Yijie Wang, Mouping Jin, Xiaolin Zhang (East China Research Institute of Electronic Engineering)
11:15-11:30	BPNN-Based Intelligent Diagnosis of Electron Density in Complex Ionized Media (#216)
	Yanlin Wang, Jiangting Li, Yan Zheng, Junwei Zang, Linjing Guo, Lixin Guo (School of Physics Xidian University)
11:30-11:45	Layer Allocation in Hybrid Mamba-Transformer Backbones for SAR Aircraft Detection (#92)
	Yuan Ji, Wei Chen, Daisheng Zhang, Lixia Yang (Information Materials and Intelligent Sensing Laboratory of Anhui Province, Anhui University)
11:45-12:00	Cross-Attention Prior-Guided Network for SAIR Weak-Target Imaging (#289)
	Bowen Yang, Zhongjian Fu, Jinguo Wang, Zilong Zhao, Zhaozhao Gao (National Key Laboratory of Electromagnetic Space Security)

2026-10-25 am
Room M

SPECIAL Session: SA1M
Electromagnetic Simulation and Verification (Part I)

Chairs:
Junrui Zhang (Shandong University)
Huapeng Zhao (University of Electronic Science and Technology of China)
Lizhong Song (Harbin Institute of Technology, Weihai)

08:30-08:45	A Comparison of Modified ASED and SSED Basis Function Methods for Analyzing Finite Periodic Arrays Loaded with PIN Diodes (#580)
	Ping Du (Hefei University of Technology)
08:45-09:00	An Efficient MoM-PO Hybrid Method for Multi-Material Scattering Analysis Based on Matrix Dimensional Reduction (#102)
	Haixuan Zhang, Gao Wei, Jianzhou Li, Kuisong Zheng, Changying Wu (Northwestern Polytechnical University)
09:00-09:15	An Interactive Platform for the Design and Validation of Synthetic Dielectric Substrates (#315)
	Yongfei Cui (South China University of Technology)
09:15-09:30	Efficient 3D Simulations of Array Antennas with Dielectric Lenses Using a Physical Optics Model (#327)
	Núria Flores Espinosa, Pilar Castillo Tapia, Francisco Mesa, Oscar Quevedo Teruel (KTH Royal Institute of Technology)
09:30-09:45	Perfect Reflection at the Wrong Place (#361)
	Kunlai Li, Zhengpeng Wang, Yongjun Xie (School of Electronic and Information Engineering, Beihang University)
09:45-10:00	Selection of Practical Expansion Orders in Spherical-Wave Expansion (#371)
	Ziming Chen, Huapeng Zhao, Hao Yu (University of Electronic Science and Technology of China)
10:00-10:15	Concept of Time-Reversal Characteristic Modes in Non-Free-Space Environments (#387)
	Chenbo Shi, Jin Pan (University of Electronic Science and Technology of China)

2026-10-25 am
Room M

SPECIAL Session: SA2M
Electromagnetic Simulation and Verification (Part II)

Chairs:
Junrui, Zhang (Sahndong University)
Huapeng Zhao (University of Electronic Science and Technology of China)
Lizhong Song (Harbin Institute of Technology, Weihai)

10:25-10:40	Multi-Frequency Orthogonally Dual-Polarized Composite Antenna with Directional Radiation (#394)
	Bolin Wang, Junrui Zhang, Jingyu Li, Zhongwei Liu (Shandong University)
10:40-10:55	High-Order Mode Atmospheric Pressure Argon Microwave Plasma Torch (#427)
	Rui Liang, Haibing Ding, Zhonghao Ji, Dengfeng Lu, Honghao Qiu, Zhe Xie (Aerospace Information Research Institute, Chinese Academy of Sciences, University of Chinese Academy of Sciences)
10:55-11:10	A Low-RCS, High-Gain Fabry–Pérot Cavity Antenna Based on Polarization Conversion and AMC Synergistic Control (#431)
	Jingyu Li, Junrui Zhang, Tenghui Cui, Bolin Wang (Shandong University)
11:10-11:25	A Stepped-Corrugated Vivaldi Antenna with a Three-Stage Tapered Slot (#452)
	Miao Wang (Tsinghua University)
11:25-11:40	A Dual-Polarized Metasurface-Loaded Time Modulated (#459)
	Zhiqiang Zheng, Zhicheng Hu, Min Zhang (Harbin Institute of Technology (Weihai))
11:40-11:55	A Novel Design of Low Side-Lobe Shortwave Log-Periodic Antenna (#464)
	Yanfang Li, Xiaofei Ren, Qiong Wang, Yulong Liu (China Research Institute of Radiowave Propagation)
11:55-12:10	A Finite Triangular Ray-Tube TDSBR Method for Broadband Electromagnetic Scattering Analysis (#518)
	Yujie He, Yanchun Zuo, Rui Wang, Zhao Sun, Wei Liu, Hao Li (Xidian University)

2026-10-25 am
Room N

SPECIAL Session: SA1N
AI-Infused Computational Electromagnetics: Intelligent Modeling, Design, and Optimization (Part I)

Chairs:
Kanglong Zhang (Hangzhou Dianzi University)
Xinbo He (Xidian University)
De Yin (University of Macau)

08:30-08:50	Time-Domain Shielding Effectiveness Evaluation and Multiphysics Co-Design for Electromagnetcs Pulse Protection (invited) (#605)
	Le Cao, Xinli Liu (Xi'an University of Science and Technology)
08:50-09:10	Proposal and Design of Reflecting-Type 2-Bit Absorptive Filtering Recon-Figurable Intelligent Structures (invited) (#57)
	De Yin, Lei Zhu (University of Macau)
09:10-09:25	A Compact High-Isolation Shared-Aperture Antenna for Closely Spaced Dual-Band Operation (#76)
	Yang Nan, Lei Zhu, Qianwen Liu (University of Macau)
09:25-09:40	Local-Angular RCS Prediction from Single-View Incomplete Point Clouds via Normal-Aware Graph Learning (#101)
	Xiangwei Liu, Kuisong Zheng, Te Shi, Changying Wu, Gao Wei, Jianzhou Li (Northwestern Polytechnical University)
09:40-09:55	Domain-Guided Memetic Optimization of Layered Printed Circuit Board Signal Paths for Signal Integrity (#149)
	Haibo Zhou, Xiaoguang Xu, Jian Qin, Xingfang Zhao (Shenzhen Customs Industrial Products Inspection and Technology Center)
09:55-10:10	A Novel View SAR Scene Image Synthesis Method Based on 3D Gaussian Splatting (#241)
	Haibo Yang, Guangbin Guo, Lixin Guo, Rui Wang (Xidian University)

2026-10-25 am
Room N

SPECIAL Session: SA2N
AI-Infused Computational Electromagnetics: Intelligent Modeling, Design, and Optimization (Part II)

Chairs:
Kanglong Zhang (Hangzhou Dianzi University)
Xinbo He (Xidian University)
De Yin (University of Macau)

10:25-10:40	Data-Model Dual-Driven Inversion Method for Electromagnetic Radiation Source Parameters (#261)
	Long Cheng, Shuhong Gong, Hanyang Zhang (Xidian University)
10:40-10:55	Mainlobe-Prioritized Physics-Embedded Graph–Transformer Compensation for Faulty Phased Arrays (#264)
	Gaozhan Peng, Haitao Chen, Haiyang Fan (Wuhan Maritime Communication Research Institute)
10:55-11:10	A Graph Convolutional Neural Network Method for Uniform Sparse Near-Field Measurement (#390)
	Ao Peng, Juan Chen, Jianguo Wang, Mengran Zhao, Kaihang Fan, Chunhui Mou (Xi'an Jiaotong University)
11:10-11:25	Rapid Mutual Coupling Modeling of Symmetric Slotted Patch Antennas via a Unified Physics-Informed Kolmogorov-Arnold Network (#516)
	Can Wang, Yanming Zhang, Steven Gao (The Chinese University of Hong Kong)
11:25-11:40	Closed-Loop Optimization Method for Electromagnetic Simulation Based on Physical Rules (#602)
	Tao Tian, Yixin Cui, Xiaoqing Tian (Shanghai Radio Equipment Research Institute)



Poster Sessions

2026-10-23 pm
Room D

Oct.23 14:00-18:00	**Young Scientist Award Session** Chairs: Lixin Guo (Xidian University) Yi Huang (The University of Liverpool) Yiannis Vardaxoglou (South China University of Technology) Ying Liu (Xidian University)
P.1	Efficient Synthesis of Non-Uniformly Spaced Linear Arrays via Iterative Least Squares (#14)
	Liyang Chen, Dawei Gao, Rui Xi, Guisheng Liao, Yanhui Liu (Hangzhou Institute of Technology, Xidian University)
P.2	A Physics-Informed Neural Network Framework for Phase-Only Beamforming in Antenna Arrays (#49)
	Yanming Zhang, Steven Gao (Southeast University)
P.3	Interference Suppression Method for UAV Power-and-Information Transmission Links Based on SWIPT (#82)
	Xinyu Su, Bo Yang, Shiwei Dong, Ying Wang, Feng Gao, Cong Li (National Key Laboratory of Science and Technology on Space Microwave)
P.4	Long-Term Prediction Model of Maximum Usable Frequency for HF Communication During Low Solar Activity Epoch Based on KAN (#138)
	Qiao Yu, Jian Wang, Jianyuan Wang (Tianjin University)
P.5	Camera-Free Tracking Far-Field Wireless Power Transfer Using a Programmable Metasurface (#154)
	Hui Dong Li (Southeast University)
P.6	GEC-UNet: Physics-Informed Network for Urban Wireless Path Loss Prediction (#207)
	Qipeng Tian, Ruihao Huang, Mengchen Yao, Lantu Guo, Weiqing Zuo (Beijing Institute of Technology)
P.7	Application of Reaction Theorem for Mutual Coupling Estimation in Array of Dipoles over a Ground Plane (#239)
	Riccardo Musso, Francisco Mesa, Oscar Quevedo-Teruel (KTH Royal Institute of Technology)
P.8	Wide-Angle Null Control in 1-Bit Programmable Metasurfaces Based on Machine Learning (#246)
	Fang Yuan (National University of Defense Technology)

2026-10-23 pm
Room D

Oct.23 14:00-18:00	**Young Scientist Award Session** Chairs: Lixin Guo (Xidian University) Yi Huang (The University of Liverpool) Yiannis Vardaxoglou (South China University of Technology) Ying Liu (Xidian University)
P.9	Quasi-Static Approximation of the Reflection for a Slowly Time-Modulated Slab (#287)
	Mengyao Wang, Yang Bai, Ning Zheng, Jiawei Huang, Hongcheng Yin, Liangsheng Li (National Key Laboratory of Scattering and Radiation)
P.10	Quantitative Performance Evaluation of a High-Numerical-Aperture Pancharatnam-Berry Metalens for Efficient Wavefront Collimation (#288)
	Aliza Fida, Stefano Maci, Andrea Alu (University of Siena)
P.11	Perfect Reflection at the Wrong Place (#361)
	Kunlai Li, Zhengpeng Wang, Yongjun Xie (School of Electronic and Information Engineering, Beihang University)
P.12	Batch Adaptive Bayesian Sampling with Time-Aware Probe Path Optimization for Planar Near-Field Measurement (#417)
	Jianchuan Wei, Yuxin Ren, Hao Sun, Xiaoming Chen (Xi'an Jiaotong University)
P.13	A Wideband Co-Linearly-Polarized ME Dipole Antenna (#477)
	Liangliang Zhao, Kwai-Man Luk (City University of Hong Kong)
P.14	Artifacts Caused by In-Band Amplitude-Frequency Response Nonuniformity in Ionospheric Echo Super-Resolution Imaging and Suppression via Homomorphic Filtering (#501)
	Tongxin Liu, Guobin Yang, Chunhua Jiang (Wuhan University)
P.15	Multi-Band and High-Efficiency Transparent Antenna on Lens for Metal-Framed Smart Glasses (#515)
	Ziheng Ding, Yongxin Guo (City University of Hong Kong)
P.16	Common-Mode Resonance in Tightly-Coupled Dipole Array: Theory and Suppression Technique (#570)
	Hao Cheng, Deming Sun, Steven Gao (The Chinese University of Hong Kong)

2026-10-23 pm
Room D

Oct.23 14:00-18:00	**Young Scientist Award Session** Chairs: Lixin Guo (Xidian University) Yi Huang (The University of Liverpool) Yiannis Vardaxoglou (South China University of Technology) Ying Liu (Xidian University)
P.17	A Dual-Polarized Spatiotemporal Metasurface for Multifunctional Manipulation of Radiation and Reflection Waves (#603)
	Han Wei Tian, Xin Li, Wei Xiang Jiang (Southeast University)
P.18	Similarity-Guided Cross-Band Channel Prediction for Low-Overhead mmWave Beam Search (#625)
	Cheng Yi, Min Wang, Jie Ma, Yiyi Chen, Bensheng Yang, Haiming Wang (Purple Mountain Laboratories)
P.19	Passive Quasi-Non-Foster Impedance Matching Enabled Ultra-Thin Broadband Absorber (#643)
	Shengchi Zhu, Zhenxin Cao (Southeast University)
P.20	Elevated Duct Thickness Prediction Using CatBoost-MLP Ensemble Model for Maritime Wireless Communications (#87)
	Jiaying Shang, Jian Wang, Cheng Yang (School of Microelectronics, Tianjin University)
P.21	Scalable and Hardware-Efficient Multi-Partition Cross-Modulation RIS for Wireless Communications (#175)
	Junwei Zhang, Zhenjie Qi, Huidong Li, Junyan Dai, Gengbo Wu, Qiang Cheng (City University of Hong Kong)
P.22	AFDM Channel Estimation Based on Fully Populated Superimposed ZC Pilots (#280)
	Ke Jiang, Xiaoying Zhang, Yankun Wang (National University of Defense Technology)
P.23	Toward an Intelligent Ionospheric Digital Twin: Physics-Informed DeepONet–SAMI3 Electron-Density Specification for HF Ray Tracing under Quiet Conditions (#314)
	Jiayu Ma, Fandi Lin, Yutao Jiao, Fei Song, Haiyang Fu (Army Engineering University of PLA)
P.24	MS-RF-3DGS: Storage-Efficient Joint Reconstruction of Multiple Spatial Spectrum Products via Low-Rank Spectrum Conditioning (#330)
	Jiang Guo, Lixin Guo, Zhongyu Liu (Xidian University)

2026-10-23 pm
Room D

Oct.23 14:00-18:00	**Young Scientist Award Session** Chairs: Lixin Guo (Xidian University) Yi Huang (The University of Liverpool) Yiannis Vardaxoglou (South China University of Technology) Ying Liu (Xidian University)
P.25	Ray Tracing Low Frequency Sky Wave Trajectories: A New Thinking for Propagation Prediction (#335)
	Chengsong Duan, Jian Wang (Tianjin University)
P.26	LPI Beamforming in Time-Modulated Arrays Using Hybrid Quantized-Chaotic Phase Modulation (#399)
	Haotian Li, Xingguo Jin, Yuxin Pang (University of Electronic Science and Technology of China)
P.27	EM Duality Enables Scalar Huygens Radiation and Flat-Top Beam Synthesis in Fabry–Pérot Antennas (#402)
	Yanwen Chen, Stefano Maci (University of Siena)
P.28	Plasmonic Skyrmion-Enhanced Flexible Microwave Metasensor for Intelligent Noninvasive Glucose Monitoring (#407)
	Shiquan Wang, Kwok L. Chung (Nanyang Technological University)
P.29	A Dual-Strategy Transmitarray Design with Low Sidelobes, Wideband Flat Gain, and Low Profile (#526)
	Xiaonan Jiang, Steven Gao (The Chinese University of Hong Kong)
P.30	Closed-Loop Optimization Method for Electromagnetic Simulation Based on Physical Rules (#602)
	Tao Tian, Yixin Cui, Xiaoqing Tian (Shanghai Radio Equipment Research Institute)
P.31	ExPLNet: An Explainable Deep Learning Framework for Radar Wave Propagation Loss Prediction and Driving Factor Analysis (#607)
	Hanjie Ji, Lixin Guo, Yiwen Wei, Xipei Wang, Jiaqi Leng (Xidian University)
P.32	High-Resolution Radar Imaging of Hypersonic Vehicles Based on RT-Accelerated TDPO Method (#222)
	Zheng Li, Qingqing Deng, Wei Chen, Lixia Yang, Wei Dai (Anhui University)

2026-10-23 pm
Room D

Young Scientist Award Session

Oct.23
14:00-18:00

Chairs:
Lixin Guo (Xidian University)
Yi Huang (The University of Liverpool)
Yiannis Vardaxoglou (South China University of Technology)
Ying Liu (Xidian University)

P.33	Effects of Underground Medium on Low-Altitude NEMP Propagation in the Earth-Ionosphere Waveguide (#247)
	Zhaomin Li, Xinbo He, Haonan Feng, Ye Wang, Jiarong Dong, Bing Wei (Xidian University)
P.34	Environment-Conditioned Deep Learning for Long-Range Field Prediction in Evaporation Ducts (#398)
	Yan Zhang, Nan Wu, Yiwen Wei, Lixin Guo (School of Physics, Xidian University)
P.35	Dual-Circularly Polarized Waveguide Array Antenna for K-/Ka-Band Satellite Communications (#465)
	Hui Zhao, Pengfei Gu, Shuyi Chen, Yang Xie, Yankun Meng, Tiancheng Zhang (Nanjing University of Science and Technology)
P.36	A Heterogeneous Phased Array Antenna Enabling Wide-Angle Scanning While Maintaining Boresight Gain (#471)
	Xue Ren, Xinliang Zhang (Shenzhen University)
P.37	Proposal and Design of Reflecting-Type 2-Bit Absorptive Filtering Recon-Figurable Intelligent Structures (#57)
	De Yin, Lei Zhu (University of Macau)
P.38	Thermal-Electromagnetic Multiphysics Analysis of Planar Antennas with Opposite Temperature Drifts (#468)
	Yaowen Wu, Pingchuan Xu, Kwok Chung, Liwen Liang, Zhenkun Chen, Jianguang He (Guangzhou Institute of Science and Technology)
P.39	Mechanism of Tubing-Discontinuity Coupling in Multinode Extremely Low-Frequency Electromagnetic Communication for Water-Injection Wells (#211)
	Junyan Lin, Zhiqiang Li, Xin Shi, Xiufeng Ji, Wentao Cui, Juan Fang (Nanjing University of Science and Technology)
P.40	Frequency-Multiplexing Programmable Metasurfaces: Applications in Dynamic Spectrum Cooperation and Adaptive Multi-Target Wireless Communications (#442)
	Yilin Zheng, Yijun Feng (Soochow University)

2026-10-23 pm
Room D

Best Paper Award Session

Oct.23
14:00-18:00

Chairs:
Lixin Guo (Xidian University)
Yi Huang (The University of Liverpool)
Yiannis Vardaxoglou (South China University of Technology)
Ying Liu (Xidian University)

P.41	Design of Angle-Selective Surface with Ultra-High Angular Domain Transmission and Out-of-Band Rejection (#42)
	Siyu Chen, Yi Li, Ruize Xu, Manqing Wang, Yang Zhang, Zheng Xiang (Xidian University)
P.42	A Compact High-Isolation Shared-Aperture Antenna for Closely Spaced Dual-Band Operation (#76)
	Yang Nan, Lei Zhu, Qianwen Liu (University of Macau)
P.43	Decoupling Technique Using Metal Rings for MIMO Antenna Arrays (invited) (#116)
	Aidi Ren, Aijia Ding, Seng Wu, Lixia Yang (Anhui University, School of Electronic Information Engineering, State Key Laboratory of Opto-Electronic Information Acquisition and Protection Technology)
P.44	Investigation of Spatiotemporal Variation Characteristics of Ionospheric Sporadic E in China (#125)
	Haiyang Liu, Yafei Shi, Jian Wang, Jieqing Fan (North China Electric Power University)
P.45	Broadband Asymmetric Doherty Power Amplifier with Out-Phased Current and Finite Off-State Impedance Load Modulation (#232)
	Weilun Zhang, Baihua Zeng, Shaoyong Zheng, Zhixi Liang (School of Electronics and Information Technology, Sun Yat-Sen University)
P.46	A Quad-Port PMA with Wide Scanning Angle and MIMO Capability (#386)
	Jinke Shi, Heci Liu, Minrui Zou, Yu Han, Chen Gai, Junping Geng (Shanghai Jiao Tong University)
P.47	Design of an Active Multi-Beam Reflector Antenna System for Very High-Throughput Communication Satellites (#388)
	Tao Xiao, Yu Fei, Tian Jin, Gao Peng, Qiaoshan Zhang (Xi'an Institute of Space Radio Technology)
P.48	A Reconfigurable STAR Array with Independent and Fully Continuous Controls of Phases and Transmission-Reflection Ratio (#613)
	Zhitao Du, Kaixu Wang (Harbin Institute of Technology (Shenzhen))

2026-10-23 pm
Room D

Oct.23 14:00-18:00	**Best Paper Award Session** Chairs: Lixin Guo (Xidian University) Yi Huang (The University of Liverpool) Yiannis Vardaxoglou (South China University of Technology) Ying Liu (Xidian University)
P.49	The Modeling of Wave Driven Vessel Motion and Its Impact on Channel Characteristics for 6G Air-Sea Communications (#645)
	Yixuan Deng, Pan Tang, Bin Ao, Jianhua Zhang (Beijing University of Posts and Telecommunications)
P.50	Analysis of Variation Characteristics of the Ionospheric F2 Layer Over Changchun During 2021-2025 (#656)
	Guanqun Tang, Jiabo Zhou, Yao Liu, Bolin Wu, Peng Wu, He Zhang (Changchun Radio Wave Observation Station, China Research Institute of Radiowave Propagation)
P.51	A Case Analysis of Ionospheric Disturbances Caused by Rocket Launch Event Based on GNSS Data (#86)
	Xuliang Wang, Shenquan Tao (China Satellite Maritime Tracking and Control Department)
P.52	Electromagnetic Field Distribution on Sea Surface Radiated by Spaceborne VLF Antenna Arrays (#93)
	Wenjing Min, Nannan Sun, Huiran Zeng, Dudu Huang, Yilong Liu, Kai Li (the College of Information Science and Electronic Engineering, Zhejiang University)
P.53	Aperture Shared Multi-Band Circularly Polarized Antenna with Feed-Line Effect Suppression (#182)
	Wei Niu, Hui Huang, Xiaojun Zhi, Qianwei Guo (Science and Technology on Electromechanical Dynamic Control Laboratory)
P.54	An Interactive Platform for the Design and Validation of Synthetic Dielectric Substrates (#315)
	Yongfei Cui (South China University of Technology)
P.55	Efficient 3D Simulations of Array Antennas with Dielectric Lenses Using a Physical Optics Model (#327)
	Núria Flores Espinosa, Pilar Castillo Tapia, Francisco Mesa, Oscar Quevedo Teruel (KTH Royal Institute of Technology)
P.56	Soft-Mask-Guided Swin Transformer for Target Parameter Inversion from ISAR Images (#614)
	Zuo Zhang, Jiaxuan Wang, Qiang Ren (Beihang University)
P.57	High-Gain Glass Dielectric Resonator Antenna with Pattern Diversity for 5G-and-Beyond Applications (#627)
	Shixuan Zhang, Kwok Wa Leung, Mike W. K. Lee, Shaoyong Zheng (City University of Hong Kong)

2026-10-23 pm
Hallway

Oct.23, 14:00-Oct.24, 12:00	**POSTER Session**
P.81	A 24 GHz Planar End-Fire Rod Antenna Based on SIW (#4)
	Yanfei Mao, Suli Yan, Shiju E, Youdong Luo (Zhejiang Normal University)
P.82	Research on Coding and Pulse Compression Technique of Meteor Radar System Based on 4-Bit Complementary Code (#8)
	Yujian Jin, Xiaolong Chen, Jianbin He, Songtao Huang (Xidian University)
P.83	TLF and ELF Propagation Generated by Ship Movements in the Marine Environment (#9)
	Fukai Li (China Academy of Electronics and Information Technology)
P.84	VO2 Phase Transition-Controlled Broadband Terahertz Absorption and Polarization Conversion Dual-Mode Reconfigurable Metasurface (#10)
	Hongshun Liu, Xuehong Sun, Caiyan Jiang, Qinkai Li, Tian Tian (Ningxia University)
P.85	Simulation Study on Jamming Performance of Spaceborne SAR (#11)
	Yali Hou, Hong Su, Ming Li (National Key Laboratory of Proximity Detection and Control)
P.86	Fast Evaluation and Analysis for Gain Performance of Fabry–Perot Antennas (#12)
	Ming Fu, Fulin Xue, Xinhuai Wang, Yin Li, Yin Xu, Xiaowei Shi (National Key Laboratory of Radar Detection and Sensing, Xidian University, Peng Cheng Laboratory)
P.87	Design of High-Power Microwave Beam Homogenization Based on Subregional Metasurface Modulation (#348)
	Chongyao Ning, Li Deng, Lijie Chen, Gengjiang Yao, Xuezhi Ding (China Ship Development and Design Center)
P.88	Uncertainty Quantification of Electromagnetic Wave Propagation in Evaporation Duct via Dynamically Orthogonal Stochastic Parabolic Equation (#16)
	Mingjian Li, Liguo Liu (Naval University of Engineering)

2026-10-23 pm
Hallway

Oct.23, 14:00-Oct.24, 12:00	POSTER Session
P.89	A DGTD Scheme for Handling Lumped Elements (#18)
	Guo Gan, Qian Yang, Xudong Han, Yiru Liang, Jiarong Dong, Bing Wei (School of Physics, Xidian University)
P.90	High-Gain Omnidirectional Antenna Based on a Cylindrical Transmissive Metasurface (#444)
	Hongya Zhu, Le Zhang, Guohui Li, Xiwu Yang, Jinyang Bi, Fan Qin (Tianjin Fire Science and Technology Research Institute of MEM)
P.91	Estimating Maximum Usable Frequency of HF Communication Links Using the Low Latitude Long Range Ionospheric Radar (#24)
	Lianhuan Hu, Guozhu Li, Baiqi Ning (Institute of Geology and Geophysics, Chinese Academy of Sciences)
P.92	Ku-Band Continuous Transverse Stub Array for Wide Boresight Gain Bandwidth (#26)
	Kai Wang, Chunwang Gu, Jifei Xu, Lin Mei, Ye Wang, Chaofeng Ding (Peng Cheng Laboratory)
P.93	Research on Energy Transmission Technology of Ultrasonic Transducer across Special Metal Shell (#27)
	Nuoxin Zhang, Yongqin Huang, Fuqiang Cao, Shuai Wen (Xi'an Institute of Electromechanical Information Technology)
P.94	Mechanism of Phased Array Antenna Beamforming and Analysis of Influencing Factor on 3dB Bandwidth (#32)
	Meng Wang, Rongfei Hu, Hao Wang, Minghui Cai, Juan Yang (National Radio Monitoring Center Urumqi Monitoring Station)
P.95	Design of a Multilayer Frequency-Selective Rasorber with Ultra-Wideband Out-of-Band Absorption and In-Band Transmission (#34)
	Yunlong Gao, Yi Li, Ruize Xu, Baoyi Xu, Tongtong Xu (Xidian University)
P.96	Dual-Band Common Aperture Antenna Array Based on Electromagnetic-Transparent Antenna (#37)
	Haoqin Zhou, Ke Jiang, Kun Zhao, Huiqing Zhai (Xidian University)

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P.97	Rain-Aware RIS-Assisted UAV ISAC for Reconfigurable Intelligent Radio Environments (#43)
	Lin Shen, Songtao Huang, Changwei Xiong, Yujian Jin, Shuo Zhang (China Research Institute of Radio Wave Propagation)
P.98	Research on Electromagnetic Scattering Characteristics of Surface Gaps on Stealth UAVs (#44)
	Jingjing Wang, Rong Min, Pengfei Wang, Bing Qiao, Na Zhao, Zhiwei Sun (Xi'an ASN Technology Group Co., Ltd)
P.99	Configuration-Driven Non-Intrusive gPC Framework for Antenna Uncertainty Quantification (#45)
	Li Zhang, Li Xu, Hao Wang, Yulu Hu, Bin Li (University of Electronic Science and Technology of China)
P.100	Design of a Dual Angular Domain Angle-Selective Surface for Ku-Band Spatial Filtering (#46)
	Manqing Wang, Yi Li, Ruize Xu, Baoyi Xu, Tongtong Xu (Xidian University)
P.101	Study on the Performance of IRI-2020 over Urumqi (#48)
	Shuying Qian, Shuji Sun, Yao Liu, Yizhe Liu, Weitao Zhang, Ge Yang (China Research Institute of Radiowave Propagation)
P.102	Efficient Wideband Monostatic RCS Computation via Block Rational Krylov Subspace Method (#50)
	Jianhao Xiang, Zhonggen Wang, Wenyan Nie (Anhui University of Science and Technology)
P.103	A Study on Deep Learning-Based Surface-Duct Propagation Model (#53)
	Wenxiu Qin, Leonid Chornogor, Yu Zheng, Yadan Luo, Hongguang Wang (Qingdao University)
P.104	A Novel Method for Measuring the System Noise Temperature of Active Phased Array Antennas (#54)
	Zheng Wang, Shunyou Qin, Haotian Chang (The Fifty Fourth Institute of China Electronics Technology Group Corporation)

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Oct.23, 14:00-Oct.24, 12:00	POSTER Session
P.105	Surface Roughness Loss Decoupling in Liquid Crystal Coaxial Tunable Delay Lines for Space Solar Power Station Beam-Steering (#56)
	Jinfeng Li, Haorong Li (Beijing Institute of Technology)
P.106	Deep Learning-Based Phase Error Calibration for Phased Array Antennas Using Multi-View Far-Field Patterns (#58)
	Shucheng Wang, Jiayong Wang, Zhengyang Li, Lingfei Li (Shanghai University)
P.107	A Bézier-Constrained Method for Wide-Beam Synthesis in Phased-Array Weather Radars (#60)
	Lili Hou, Bin Xu, Qinglin Zhu, Xiang Dong, Jie Han, Shucan Ge (China Research Institute of Radiowave Propagation)
P.108	Research on Wideband Phased Array Beamforming Algorithm Based on Subarray-Level Farrow Filter (#62)
	Yunxi Wang, Tao Zhang, Lirong Mei, Jingsong Yang, Qifang Gong (The 54th Research Institute of China Electronics Technology Group Corporation)
P.109	Three-Dimensional Spherical Continuous Marine Atmospheric Refractivity Modeling and Analysis (#63)
	Jiachi Zhang, Chen Zhao, Rongchen Sun, Dongmei Liu, Han Wang (School of Police Information, Shandong Police College)
P.110	Design of Frequency-Selective Rasorber with Ultra-Wide Passband (#64)
	Chengxiang Zheng, Yi Li, Ruize Xu, Baoyi Xu, Peng Ren, Zheng Xiang (Xidian University)
P.111	A Low-Profile Dual-Polarized Magneto-Electric Dipole Antenna for 5G Base Stations (#69)
	Hongming Xiang (Shenyang University of Technology)
P.112	A Multi-Stage Quality Control Method for Electron Density Profiles from FY-3 GNSS Radio Occultation (#74)
	Kejie Zhang, Jiangting Li, Yuxuan Wang, Yi Yan, Zhike Tian, Lixin Guo (Xidian University)

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Oct.23, 14:00-Oct.24, 12:00	POSTER Session
P.113	Identifiability Analysis of Rotary-Wing UAV Micro-Doppler Signatures for X-Band Phased-Array Weather Radar Reuse (#78)
	Mantong Zhang, Liang Chen, Bin Xu, Zhengzheng Ma, Qinglin Zhu, Xiang Dong (China Research Institute of Radiowave Propagation)
P.114	Cellular Interference on Wi-Fi 6E Multi-Mode Terminal Antenna Performance across 2.456 GHz Bands (#83)
	Na Wang, Jiang Xie, Shuai Zhang, Lei Zhao, Yuchen Wang, Xiao Zhang (China Academy of Information and Communications Technology)
P.115	Secure Beamforming and Antenna Position Optimization for Movable Antennas under Sensing Constraints (#84)
	Zeyu Liu, Zhiling Tang (Guangxi Key Laboratory of Wireless Wideband Communication and Signal Processing, Guilin University of Electronic Technology)
P.116	Calculating Ionospheric Scintillation of Radio Signal from Satellite to FAST Based on the Improved Kriging Interpolation Method (#90)
	Yinshu Zhang, Jian Wang, Cheng Yang (School of Microelectronics, Tianjin University)
P.117	Land–Sea Constrained Three-Source Assimilation for Radiowave Propagation Environment Modeling (#94)
	Zhike Tian, Jiangting Li, Lixin Guo, Kejie Zhang, Tong Xu, Zonghua Ding (Xidian University)
P.118	Dual-SRR Field-Shaping Structure for Bandwidth Enhancement of a Rydberg Atomic Microwave Receiver (#97)
	Qimeng Wang, Qiang An, Yunqi Fu (National University of Defense Technology)
P.119	Ground-Based Experimental Study on Plasma Sheath of Hypersonic Vehicles Based on Shock-Beam Coupling Mechanism (#98)
	Yanshuai Zheng (China Research Institute of Radio wave Propagation)
P.120	Form-Finding Study of Phyllotaxis Mesh Loop Antennas Based on Iterative Force Density Method (#295)
	Junfei Chen, Yesen Fan, Leiyu Huang (Xi'an Institute of Space Radio Technology)

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Oct.23, 18:30- Oct.24, 12:00	POSTER Session
P.1	Small-Angle Deflection Registration of Single-Photon Three-Dimensional Data Based on the Iterative Closest Point Method (#414)
	Quanchun Yu, He Cai, Hongcheng Yin, Liangsheng Li (National Key Laboratory of Scattering and Radiation)
P.2	Pilot-Validated Coverage-Aware PG–RT Workload Allocation for Bounded-Order Channel Modeling (#415)
	Rui Zhu, Liu Liu, Yibo Gao, Yunxin Liang (Beijing Jiaotong University)
P.3	Effects of Ablation Plasma on the Radiation Performance of an Array Antenna on an HTV (#416)
	Junwei Zang, Linjing Guo, Jiangting Li, Qian Ma (Xidian University)
P.4	Characterization of Ionospheric foF2 Variations in the Suzhou Region (#420)
	Chan Han, Shuji Sun, Zonghua Ding (China Research Institute of Radiowave Propagation, Suzhou Center)
P.5	RCS Measurement and Analysis of a Corner Reflector–Sea-Surface Composite Target Based on the Electromagnetic Scaling Principle (#422)
	Hao Liang (National Key Laboratory of Scattering and Radiation)
P.6	Phase-Coherent Hybrid RT–GBSM Modeling for PDP and Full-Band CFR Reconstruction (#425)
	Yuhan Li, Lixin Guo, Zhongyu Liu (Xidian University)
P.7	Detailed Antenna Modeling for Ray Tracing Indoor Channel Simulation (#428)
	Ziheng Huo, Zhongyu Liu, Zuoyong Nan, Zhigang Zhong (Xidian University)
P.8	Teaching Practice and Exploration of Microwave Technology Based on FDTD Simulation (#369)
	Kaikun Niu, Jue Wang, Zhixiang Huang (Anhui University)
P.9	A Low-Profile Dual-Polarized End-Fire Array Antenna for Millimeter-Wave Mobile Terminal Applications (#434)
	Zhenchao Li, Mengqi Cao, Chao Wu, Junchen Xia, Yuanming Cai (Xidian University)
P.10	Time-Domain Echo Simulation of Electrically Large Targets Based on SBR and the Transfer Function Method (#435)
	Linhao Zhuo, Hao Wang, Bing Wei (School of Physics, Xidian University)

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Oct.23, 18:30- Oct.24, 12:00	POSTER Session
P.11	A Low-Profile Ultra-Wideband Circularly Polarized Antenna with Composite Conical Ground Plane (#437)
	Guo Liu, Jingfei Jiang, Yunhao Li, Yanting Che, Xiaohui Yang, Xinyao Xian (National Key Laboratory of Electromagnetic Space Security)
P.12	A 5.8 GHz CP-Rectifying Antenna Based on Chiral Absorptive Metasurface (#439)
	Linglong Mo, Minhua Li (Ningbo University)
P.13	Multi-Objective Indoor WiFi Coverage Optimization Based on Genetic Algorithm (#445)
	Fengbo Gong, Lixin Guo, Zhongyu Liu (Xidian University)
P.14	Path Loss Prediction in Range-Dependent Evaporation Duct Environments Using Multi-Location Meteorological Inputs (#449)
	Jiahang Liu, Lianning Cai, Guanjun Xu, Xuesong Lu (Hangzhou Dianzi University)
P.15	Compact Wideband Filtering Dielectric Resonator Antenna with Inherent Radiation Nulls (#451)
	Chao Wu, Zhenchao Li, Mengqi Cao, Junchen Xia, Yuanming Cai (Xidian University)
P.16	Microwave Exceptional Points in Loss-Engineered Non-Hermitian Metasurfaces (#453)
	Yiyang Niu, Yueyi Yuan, Yuxiang Wang, Kuang Zhang (Department of Microwave Engineering Harbin Institute of Technology)
P.17	A Compact Super-Gain Circularly-Polarized Ungrounded Array Antenna (#455)
	Rui Xu, Lingwen Ban, Qiuyan Liang, Jie Ma (Xi'an Institute of Electromechanical Information Technology)
P.18	Site-Specific Bayesian Optimization of Dual-RIS Placement and Orientation for Coverage Enhancement (#460)
	Xian Li (School of Electrical and Electronic Engineering, North China Electric Power University)
P.19	Efficient Coupling Research of HPM to Cables of Unknown Length (#461)
	Pengkun Gao, Hanbing Jin, Tingyong Jiang, Yong Yin (University of Electronic Science and Technology of China)

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Oct.23, 18:30- Oct.24, 12:00	POSTER Session
P.20	Development of a Multi-Factor Controllable Test System for Electrostatic Discharge Research (#462)
	Hong Liu, Fangming Ruan, Yanli Chen, Xiaoye Fu, Weifan Li, Wenli Wang, Boxiang Gong, Yongqiang Chai (Guizhou Normal University)
P.21	Design and Optimization of a Dual-Frequency Quasi-Optical Mode Converter (#463)
	Xinyang Fang, Ming Jin, Peilun Li (Beijing University of Chemical Technology)
P.22	NearLink-Enabled Event-Triggered Multi-Node Cooperative Sensing for Indoor Impact Vibration Detection (#469)
	Haozhong Liu, Chenyan Liao, Yannan Jiang (School of Information and Communication, Guilin University of Electronic Technology)
P.23	Wide-Angle Beam-Scanning Antenna Based on Reconfigurable Transmissive Metasurface (#473)
	Yixin Cui, Tao Tian, Xiaoqing Tian, Chao Liu (Shanghai Radio Equipment Research Institute)
P.24	A Low-Profile and High Gain Circularly Polarized Millimeter-Wave Folded Transmitarray Antenna Using Artificial Magnetic Conductor (#475)
	Chuang Wang (Army Engineering University of PLA)
P.25	Comparative Analysis of Indoor Path Loss Models: Log-Distance, Five-Ray, and Symbolic Regression in a Corridor Environment (#476)
	Shikai Li, Zhongyu Liu, Huiyuan Fan, Zuoyong Nan, Zhigang Zhong, Lixin Guo (Xidian University)
P.26	A Multilayer Glass-Based Broadband Low-Profile Circularly Polarized Antenna Array Design (#478)
	Cong Deng, Zhaofeng Wu, Ke Xiao, Shunlian Chai (National University of Defense Technology)
P.27	A Wideband High-Power Coaxial-to-Waveguide Converter (#480)
	Yunwei Kan, Zhiyong Luo, Qiaosheng Ma, Hongbin Chen (Sun Yat-Sen University)
P.28	Terrain-Aware Co-Channel Interference Risk Assessment for Multi-UAV Communications Using DEM/ITM and Conformal Calibration (#483)
	Jiayi Si, Fei Du, Rui Ma, Suiyan Geng (North China Electric Power University)
P.29	Sub-Terahertz Dual-Band Liquid-Crystal Reflectarray with Orthogonal Mode Control (#487)
	Shuang Wu, Yan Wang, Chuang Yang (Beijing University of Posts and Telecommunications)

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Oct.23, 18:30- Oct.24, 12:00	POSTER Session
P.30	Design and Phase Correction of a Quasi-Optical Mode Converter for a 170 GHz TE25,10 Gyrotron (#488)
	Jiacheng Li, Shihao Wu, Xu Zeng, Jinjun Feng (Beijing Vacuum Electronics Research Institute)
P.31	Nonstationary Sea Clutter Evolution Modeling and State Inversion Across CPIs for Skywave OTHR (#491)
	Wenzan Guo, Zhangbiao Yang, Yutong Wang, Xinyang Mao, Peng Wang, Dongfang Guan (National University of Defense Technology)
P.32	AI-Assisted Wireless Power Transfer Enabled IoT Sensor System (#493)
	Wei Lin (The Hong Kong Polytechnic University)
P.33	Multi-Angle Doppler Shift Characteristics of a Two-Dimensional Moving Target Based on Motional FDTD (#494)
	Ye Wang, Xinbo He, Bing Wei, Linbo Yan, Xuan Tu, Zhaomin Li (Xidian University)
P.34	Ray-Tracing Parameter Calibration via Particle Swarm Optimization Using 36 GHz Indoor Millimeter-Wave Channel Measurements (#496)
	Huiyuan Fan, Zhongyu Liu, Shikai Li, Zuoyong Nan, Zhigang Zhong, Lixin Guo (Xidian University)
P.35	Distributed Graded-Inductance Impedance Compensation for a Bias-Free Bipolar Diode Nonlinear Transmission Line (#500)
	Qingze Wang, Zhiyong Zhong (University of Electronic Science and Technology of China/Qianyuan Laboratory)
P.36	Time-Varying Magnetic-Field Control Using an Inhomogeneous Anisotropic Medium (#507)
	Xuhong Ling, Xu Zhang, Qi Zhu (University of Science and Technology of China)
P.37	Study on Tip Field Enhancement Structures in High-Frequency Electromagnetic Environments of Underground Mines (#508)
	Yuqi Di (Xidian University)
P.38	An Electronically Controlled Waveguide Phase Shifter for High Power Microwave (#509)
	Aming Zhao, Jin Meng, Keqiang Wang, Lin Meng (University of Electronic Science and Technology of China)
P.39	A Simulation-Based Design Methodology for Wide-Temperature-Range Current Injection Probes (#631)
	Zhengmei Wang, Zongfei Zhou, Guangzhi Chen (Hefei Innovation Research Institute of Beihang University)

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P.40	PIC-MCC Breakdown Characteristics and Coal-Dust Effects in Submillimeter Methane-Air Microgaps under Guided Electromagnetic Waves (#510)
	Yaru Yang (Xidian University)
P.41	Broadband Miniaturized High-Power Phased-Array Antenna Element Based on Multilayer Dielectric Resonators (#511)
	Lijun Yi (School of Microelectronics and Communication Engineering, Chongqing University)
P.42	A Broadband CP Antenna with Geometric Center-Fed Configuration (#517)
	Hongli Ni, Wei Wang, Yuyan Zheng, Yanbin Luo (East China Research Institute of Electronic Engineering)
P.43	A Unified Pressure-Temperature-Salinity Dependent Complex Permittivity Model for Deep-Sea Electromagnetic Communications (#519)
	Zhaoqiang Dai (Xidian University)
P.44	Posterior-Consistency Adaptive Finite Ray-Tube Method for RCS Prediction of Electrically Large PEC Targets (#520)
	Zhao Sun, Yanchun Zuo, Rui Wang, Yujie He, Hao Li, Wei Liu (Xidian University)
P.45	Geometry-Matched Mathieu-Gaussian Beams for Obstruction-Resilient Microwave Wireless Power Transfer (#522)
	Ziqi Chen, Qi Zhu (University of Science and Technology of China)
P.46	Design of Curved Conformal Coils for a Magnetic-Coupled Wireless Power Transfer System Driven by Magnetic Field Information (#524)
	Wenhao Cui, Shuhang Chen, Gongcheng Ping, Qi Zhu (University of Science and Technology of China)
P.47	A 3D-Printable Artificial Dielectric Lens for Dual-Polarized Weather Radar Reflector Antennas (#525)
	Gongcheng Ping, Shuhang Chen, Wenhao Cui, Qi Zhu (University of Science and Technology of China)
P.48	A Novel Denoising Method Based on Sparrow Search Algorithm Optimized Variational Mode Decomposition (#530)
	Wenjie Zhang, Tao Zhang, Yubo Wang, Yupeng Wang (The National Key Laboratory of Electromagnetic Information Control and Effects)
P.49	Shared-Ground Quasi-Omnidirectional Dual-Dipole Antenna with a Symmetric Single-Port Feedmmetric Feeding Network (#532)
	Lintao Zhao, Ke Xiao, Shijie Luo, Zhu Zhang, Liang Ding, Zhaofeng Wu (National University of Defense Technology)

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P.50	Impact of Noise-Floor Elevation Caused by Offshore Wind Farms on the Signal-to-Noise Ratio of High-Frequency Surface Wave Radar (#535)
	Shuo Chen, Dezhu Xiao, Yu Song, Xin Zhang (Harbin Institute of Technology)
P.51	Monopulse Radar One-Dimensional Angle Positioning for Moving Targets Adaptive to Platform Attitude Variations (#644)
	Hong Hu (No. 38 Research Institute, China Electronics Technology Group Corporation)
P.52	Kelvin Wake Speed Classification Using Handcrafted Features and Machine Learning (#105)
	Imran Ullah (Xidian University)
P.53	Output Contribution Driven Low-Complexity DDR-Volterra Digital Predistortion (#109)
	Haoran Zhang, Binbin Su, Daomin Hao, Jiahao Zhang (National Key Laboratory of Electromagnetic Energy)
P.54	Research on Detection and Recognition Methods for UAV RF Time-Frequency Spectrograms Based on YOLO and ResNet (#110)
	Jiabao Liu, Yuan Shen, Wei Chen (Anhui University)
P.55	A Floquet Circulator Based on Asymmetric Coupled Microstrip Lines (#111)
	Linfeng Li, Zhechen Zhang (College of Physics and Information Engineering, Fuzhou University)
P.56	Wide-Scan Filtering Phased Array with Out-of-Band Reflectionless Response (#113)
	Weixiong Zhao, Linfeng Li, Zhechen Zhang (Fuzhou University)
P.57	Design of High-Precision Dual-Channel Signal Acquisition and Transmission Circuit with Multi-Domain Noise Suppression (#114)
	Ling Zhang (The 43rd Research Institute of China Electronics Technology Group Corporation)
P.58	Design of a Corrugated Substrate Integrated Waveguide Wideband Delay Line (#115)
	Xingzhuo Meng, Zhiling Tang (School of Information and Communication, Guilin University of Electronic Technology)
P.59	Intelligent Recognition of Low-Altitude Targets with Airborne PD Radar Based on RCS and Motion Characteristics (#119)
	Tianyi Yang, Xiaoting Mao, Jikai Qin, Peng Peng, Tao Pu, Weike Feng (Air Force Engineering University)

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Oct.23, 18:30- Oct.24, 12:00	POSTER Session
P.60	An Optimization Algorithm for Quantization Phase Grouping in Coding Metasurface Holograms (#120)
	Shuncheng Tian (Academy of Opto-Electronic China Electronics Technology Group Corporation)
P.61	Link- and Frequency-Aware Dynamic 3D Gaussian Splatting for Massive MIMO Channel Modeling (#122)
	Xiaoran Yu, Zhiling Tang (Guilin University of Electronic Technology/School of Information and Communication)
P.62	A Neighborhood Difference Order Statistics Radar Detector with a Precomputed Order Index (#378)
	Yun Tong, Jianxin Yi, Xianrong Wan (Wuhan University, School of Electronic Information)
P.63	A Sensing-Aided Sparse Bayesian Learning Channel Estimation Algorithm for OTFS Systems (#380)
	Xinyi Chen, Xiaoming Niu, Peng Wang, Jian Ding, Yuguo Cui (National Key Laboratory of Electromagnetic Wave Propagation, China Research Institute of Radiowave Propagation)
P.64	Research on the Influence of the Directionality of Mixed Waves on the Sea-Echo Doppler Spectra (#381)
	Xiangmeng Zhu, Ding Nie, Min Zhang (Xidian University)
P.65	A VO2-Based Reconfigurable Metasurface for Polarization Conversion (#384)
	Nanxi Mao, Minquan Li, Gaojuan Chen, Lu Yuan, Xin Pan, Zhonghui Li (School of Electronic and Information Engineering, Anhui University)
P.66	Analysis of AIS Abnormal Propagation Data Based on Sounding Data (#385)
	Yan Li, Hongguang Wang, Lijun Zhang, Bin Xu, Qinglin Zhu, Xiang Dong (China Research Institute of Radiowave Propagation)
P.67	Two-Dimensional Grating-Lobe Suppression in Subarrayed Phased Arrays Using Asymmetric-Phase Rotated Subarrays and Constant-Modulus Beamforming (#403)
	Siyu Jing (China Academy of Space Technology (Xi'an))
P.68	Statistical Analysis of Dynamic RCS Characteristics of Quadrotor Swarms (#409)
	Haichao Zhong, Gang Li (Xi'an Institute of Electromechanical Information Technology)
P.69	Design of a Waveguide Twin-Elliptical-Ring Ferrite Phase Shifter for High-Power Application (#410)
	Runlin Yang, Xiangqiang Li, Qingfeng Wang, Jianqiong Zhang (School of Physical Science and Technology, Southwest Jiaotong University)

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Oct.23, 18:30- Oct.24, 12:00	POSTER Session
P.70	Design of an Ultra-Wide-Angle Scanning Platform-Integrated All-Metal Conical Conformal Phased Array (#412)
	Jintian Ma, Zhenxin Cao (Southeast University)
P.71	Three-Dimensional Modeling and Validation for 5G Base Station in Complex Urban Environments (#349)
	Xiaoyu Wang, Nan Mei, Shubin Jin, Zhuowei Chen, Xiao Fan, Jinyan Liu (Institute of Urban Safety and Environmental Science, Beijing Academy of Science and Technology (Beijing Municipal Institute of Labor Protection))
P.72	FPGA Implementation of APFBM-Based Transmitter Post-Processing Chain on SDR Platform (#632)
	Xuanran Zhang, Ronglei Zhang, Bensheng Yang, Guoxing Duan, Cheng Yi, Haiming Wang (State Key Laboratory of Millimeter Waves, Southeast University)
P.73	A 1-Bit Amplifying Reconfigurable Transmissive Metasurface for 6G Communications (#635)
	Maoyi Luo, Yancheng Li, Jianxun Su, Meijun Qu (Communication University of China)
P.74	A Power Correction Method for Low-Level EMC Testing Based on Signal Classification (#636)
	Minghui Cai (Xinjiang Astronomical Observatory)
P.75	Research on DGNSS/INS Tightly Coupled High-Precision Positioning Method (#637)
	Yang Zhang, Jinyu Chen, Qiushi Chen, Meng Wang, Chunlei Pang, Liang Zhang (Air Force Engineering University)
P.76	Short-term Prediction of the Near-space Wind Speed by Multilayer Perceptron Network (#344)
	Yu Ma (China Research Institute of Radiowave Propagation)
P.77	A Compact X-Band Helical Antenna for High-Power Applications (#557)
	Kai Zhao, Chuwei Li, Mingxuan Zheng (Xinjiang University)
P.78	Study on the Impact of Marine Tropospheric Ducts on Effective Jamming Zone for Radar Countermeasures (#622)
	Xiaozhou Liu, Jinyong Ou, Wenjuan Qi (Naval University of Engineering)
P.79	I/Q-Gain-Aware Function-Coded Index Modulation for Reliability-Matched Polar Coding (#623)
	Xingran Yao, Kuang Zhang, Songwen Lei, Jiaxing Guo, Hao Wang, Jiaxing Yu (Harbin Institute of Technology)

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Oct.23, 18:30- Oct.24, 12:00	POSTER Session
P.80	Two-Dimensional Block Wavenumber Domain Imaging Method for High Squint SAR with Curved Trajectory (#539)
	Danyun Ni, Zhiwei Liu, Zhuoting Nie, Diansheng Zhang, Limeng Zou, Zhiyuan Xu (East China Jiaotong University)

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Oct.24 14:00-18:00	POSTER Session
P.1	An Ultral-Wideband Wavelength-Scaled Array (#124)
	Jia Fang (CETC38)
P.2	Error Analysis of Forward and Reflected Power Measurements with Dual-Directional Couplers (#127)
	Zhiyuan Wang, Yuemin Ning, Leixiang Bian (Nanjing University of Science and Technology)
P.3	A Task-Constrained Bio-Adaptive RTK/INS Fusion Positioning Method for UAV-Based Antenna Measurement (#128)
	Xiyu Wang, Shurui Fan, Li Wang (Innovation and Research Institute, Hebei University of Technology)
P.4	Antenna Array Fault Diagnosis in a Reverberation Chamber Using Power Correlation Coefficients (#129)
	Man Yuan, Xintong Chen, Wenjun Qi, Jingxue Wang, Qian Xu, Yongjiu Zhao (Hohai University)
P.5	Fast Prediction of Field Distributions Near Complex Two-Dimensional Boundaries in Reverberation Chambers (#130)
	Liang Li, Xintong Chen, Wenjun Qi, Yukun Wang, Man Yuan, Yongjiu Zhao (Hohai University)
P.6	A Low-Profile Wideband Dual-Polarized Antenna with High Isolation Based on AMC (#273)
	Longzhuang Zhang, Guiping Li (University of Electronic Science and Technology of China)
P.7	Experimental Research on the Injection-Induced Damage Effect of Low-Noise Amplifiers (#141)
	Deren Wen, Youhuo Huang, Zhuo Wang, Xilin Wang (Xidian University)
P.8	A V-Band Wide-Angle Beam-Scanning Phased Array with Low Gain Fluctuation (#143)
	Qing Zhang, Ruijie Li, Haixu Jiang, Jingang Yang, Zixi Zhao, Shuting Fan (Xi'an Institute of Electromechanical Information Technology)
P.9	Measurement-Based 490 MHz Path Loss Modeling in Mountainous Valley Terrain: a Two-Slope Approach (#144)
	Yongsheng Liu (Xidian University)

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Oct.24 14:00-18:00	POSTER Session
P.10	Radar-Guided Stereo Multidimensional Fusion Segmentation for Electromagnetic Scene Modeling (#146)
	Yanchi Liu, Dan Shi, Xiaoya Zhou, Machen Yin, Zhonghua Xin, Yuhao Jia (Beijing University of Posts and Telecommunications)
P.11	Circular Patch CPW Antenna for Non-Invasive Early Breast Cancer Detection (#150)
	Qurat ul Ain, Rameez Asif, Xiaodong Yang, Adil Mustafa, Tianlong Zhong, Epherem Merete Sifra (Xidian University)
P.12	A Design of a Dual-Band Circularly Polarized Stacked Patch Antenna with Wide-Angle Scanning Capability (#151)
	Wujin Lei, Zhechen Zhang (Fuzhou University)
P.13	A Dual-Plane Exchange Method for Phaseless Near-Field Antenna Measurement under UAV-Induced Disturbances (#156)
	Dongnan Zhang, Shurui Fan, Huanli Wu, Li Wang (Innovation and Research Institute, Hebei University of Technology)
P.14	A Propagation Prediction Model of FM Broadcast Signal Based on Depthwise Separable Convolution (#157)
	Yuxuan Cui, Zhongle Wu, Jian Wang (Tianjin University)
P.15	GPU Computation of ELF Fields in Earth-Ionosphere Waveguide under Different-Latitude Geomagnetic Field (#158)
	Songming Zou, Kuisong Zheng, Junke Wang, Zhewen Chen, Qiang Wu (Northwestern Polytechnical University)
P.16	Study on Laser Polarized Bidirectional Scattering Characteristics (#353)
	Jing Li (Xi'an Institute of Electromechanical Information Technology)
P.17	An Amplitude-Phase-Controlled Conformal Transmitarray Metasurface for Beam Manipulation (#160)
	Zihao Li, Yajin Wang (Communication University of China)
P.18	A 1-Bit Electronically Reconfigurable Reflect Array and Phased Array for Beam Scanning (#161)
	Mingyang Zhang, Yajin Wang (Communication University of China)

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P.19	Numerical Study of Electromagnetic Coupling Characteristics of a Serrated Aircraft Access Panel under Complex Electromagnetic Environments (#505)
	Mu Mo, Wenjun Xu, Xuesong Deng, Hanlin Gong, Huanyu Jin, Hongli Tan (Anhui University)
P.20	Spin-Decoupled Dual-Channel Metasurface for Multi-Mode Bessel Beams (#163)
	Yang Fu, Xiaofeng Zhou, Helin Yang, Suying Li (College of Physical Science and Technology, Central China Normal University)
P.21	A Wideband Stacked Patch Phased Array Design for High-Power Microwave Pulse Source in Solid State (#165)
	Zichong Chen, Yun Jiang, Peng Bai, Lei Wang, Hongzhou Gong, Xiaojun Mao (Hunan Vanguard Group Ltd.Co)
P.22	Radiated Power Capacity of Very-Low-Frequency Transmitting Antennas: Concept, Boundaries, and Key Issues (#167)
	Haitao Chen, Haiyang Fan, Gaozhang Peng (WMCRI)
P.23	Endfire Circularly Polarized Antenna with Ground Branch and Parasitic Branches for Mobile Satellite Communication (#173)
	Yuhang Meng, Chunxu Mao (South China University of Technology)
P.24	Residual Modeling-Based Strong Interference Suppression for Tunnel GPR Imaging (#176)
	Shuxin Lv, Yufei Wu, Dan Li, Tao Su, Bian Wu, Zhi Xu (Xidian University)
P.25	Microwave Electromagnetic Characteristics and Simulation-Experimental Study of Spray Water Curtain (#178)
	Qiankun Wang, Helin Yang (Central China Normal University)
P.26	Compact Dual-Port Microstrip MIMO Antenna Using an H-Shaped Grounded Island and Segmented Via Walls (#179)
	Ting Wu, Libin Wang (School of Automation and Information Engineering, Xi'an University of Technology)
P.27	An Efficient Skeletonization-Based MoM--PO Hybrid Method for Radiation Analysis of Antennas Mounted on Electrically Large Platforms (#187)
	Xianggang Ma, Xing Wang, Ying Liu, Chunheng Liu (Xidian University)
P.28	Radio Detection of Cosmic Down: Development of Hongmeng High-Frequency Paylaod for 21cm Global Spectrum (#188)
	Fengquan Wu, Shenzhe Xu, Shijie Sun, Jiacong Zhu, Jiaqin Xu, Xuelei Chen (NAOC)

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P.29	Evaluation Method of the Experimental Scheme for the Precision Test of Shipborne Device (#189)
	Xinyuan Wu, Caifa Guo, Hongying Chen, Dong Liu (China Satellite Maritime Tracking and Control Department)
P.30	Application of Cross-Validation Receivers in the Global Spectrum System for Cosmic Dawn (#190)
	Shenzhe Xu, Fengquan Wu, Jiaqin Xu, Jiacong Zhu, Cong Zhang, Xuelei Chen (National Astronomical Observatories, Chinese Academy of Sciences)
P.31	Sea Surface Roughness Parameterization Based on In Situ Wave Observations (#194)
	Shilong Wang, Zhijin Qiu, Bo Wang, Yunfei Jiang, Yilin Wen, Jisheng Sheng (State Key Laboratory of Physical Oceanography, Institute of Oceanographic Instrumentation, Qilu University of Technology (Shandong Academy of Sciences))
P.32	Probabilistic Rolling Training for Multi-Head Motion Vector Prediction of Inhomogeneous Atmospheric Duct Fields (#196)
	Shuqin Wu, Jiajing Wu, Huaiyun Peng (China Research Institute of Radiowave Propagation)
P.33	Measurement-Based Analysis of Frequency Diversity in an X-Band Evaporation-Duct Maritime Link (#198)
	Yufeng Yang, Yiyue Chen, Yaming Zhao, Hongguang Wang (Xi'an University of Technology)
P.34	Helical-Antenna-Assisted Transmission Enhancement in a Perforated Metallic Metasurface (#199)
	Qi Sun, Shujie Liu, Pengfei Zhao, Zhonglei Mei (Lanzhou University)
P.35	Simplified RT-PO Model for Radial GRIN Lenses (#200)
	Hairu Wang, Mingzheng Chen, Francisco Mesa, Oscar Quevedo-Teruel (KTH Royal Institute of Technology)
P.36	VLF Spatial Field Prediction of Complex Target Surface with Flat-Bottomed Hole Based on Deep Learning (#205)
	Qiang Wu, Zhewen Chen, Kuisong Zheng, Songming Zou, Junke Wang (Northwestern Polytechnical University)
P.37	High-Scanning-Rate Dual-Beam Leaky-Wave Antenna Based on SSPP Microstrip Line (#206)
	Shengwei Zhang, Zhenglin Ju, Dongze Zheng, Rong Jiang, Pedro Cheong (Southeast University)
P.38	PIPF-MLP Prior-Informed 3-D Convolutional Learning for Ionospheric Electron Density Modeling at Low and Middle Latitudes (#209)
	Sifan Li, Tong Xu, Hui Li, Jingxian He (China Research Institute of Radiowave Propagation)

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P.39	A High-Isolation Ku/Ka Dual-Band Dual-Polarized Shared-Aperture Antenna (#212)
	Yuqing Qi, Guiming Li, Jinhan Liu, Min Wang (Jiangsu Normal University)
P.40	Design of a Low-Profile Wide-Beam Circularly Polarized Antenna Element (#213)
	Wenhan Zhang, Yangdong Yan, Mengyao He, Yihao Zuo (National Key Laboratory of Proximity Detection and Control; Xi'an Institute of Electromechanical Information Technology)
P.41	Analysis of the Influence of Rough Sea Surfaces on the Accuracy of the Parabolic Equation Propagation Model in Evaporation Duct Environments (#220)
	Yilin Wen, Zhijin Qiu, Bo Wang, Chen Fan, Shilong Wang, Jisheng Sheng (State Key Laboratory of Physical Oceanography, Institute of Oceanographic Instrumentation, Qilu University of Technology (Shandong Academy of Sciences))
P.42	A Spatial Distribution Matrix-Based Interference Point Removal Method for LiDAR Odometry (#221)
	Wenjun Ou, Mingkui Zheng (Fuzhou University)
P.43	Space-Charge-Coupled Phase Bifurcations of Multipactor in a Parallel-Plate Waveguide (#670)
	Yuxuan Chen, Xue Zhang (Xiangtan University)
P.44	Multi-Resolution Time-Frequency Feature Fusion for Signal Detection in Air-Ground Cooperative Spectrum Sensing (#226)
	Hengyu Zhao, Lantu Guo, Yuchao Liu, Yunlu Ge, Xiaolei Zhao, Qipeng Tian (China Research Institute of Radio wave Propagation)
P.45	Spatial-Time Dual of the EM Wave Propagation within the Magnetized Plasma Slab (#227)
	Xianmin Guo, Long Qin, Xinyuan Fan, Dong Zhu, Yong Bo, Lixia Yang (Anhui University)
P.46	An Integrated Solar Reflectarray Antenna Based on Photonic-Electronic Metasurface for Commercial Satellite Applications (#229)
	Chao Liu, Lili Zhu, Mei Jiang (Shanghai Radio Equipment Research Institute)
P.47	Design of a Low Temperature Ku-Band Dual Polarization Phased Array Feed (#231)
	Qing Shi, Aobo Feng (The 54th Research Institute of CETC)

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P.48	Research on Evaporation Duct Inversion Algorithm Based on Layered Microwave Links (#233)
	Bo Wang, Xingkai Li, Zhijin Qiu (State Key Laboratory of Physical Oceanography, Institute of Oceanographic Instrumentation, Qilu University of Technology (Shandong Academy of Sciences))
P.49	Wave Period Estimation from Satellite Altimeter Data Based on Support Vector Regression Model (#235)
	Yanan Sun, Ying Xu, Xiaoxia Zhu, Shihao Chi (Qingdao Hengxing University of Science and Technology)
P.50	Preamble-Based Fan Interference Suppression in WiFi Passive Sensing (#236)
	Yuhang Fang, Zhixin Zhao, Bohao Zhang, Haokun Liu (Nanchang University)
P.51	Impact of Sea Surface Fluctuations on Maritime UAV-to-UAV Channels (#237)
	Wenjing Wu, Boyu Hua, Qiuming Zhu, Jian Ding, Nikolaos Sagias, Xiaomin Chen (Nanjing University of Aeronautics and Astronautics)
P.52	Finite-Bit RIS Phase-State Diversity for Angular Correlation Shaping in Electromagnetic Sensing (#240)
	Qurat Ul Ain, Ali Raza, Rameez Asif (Xidian University)
P.53	Compact High-Isolation MIMO Antenna Array for Full Ka-Band 5G Applications (#242)
	Zhihang Wu, Kaiyuan Chen (Nanjing University of Posts and Telecommunication)
P.54	Simulation of Circular Waveguide Dielectric-Packaged Plasma Limiter (#243)
	Zhiqi Zhu, Yong Bo, Lixia Yang, Moupin Jin, Long Qin, Xinyuan Fan (Anhui University)
P.55	Efficient Directivity Constrained Pattern Synthesis for Phased Arrays (#245)
	Jiaxin Yin, Jintong Liu, Weidong Hu, Mang He (Beijing Institute of Technology)
P.56	A Gap-Waveguide-Fed ME-Dipole with Reconfigurable Circular Polarization for Wide-Angle Scanning (#254)
	Boju Chen, Yi Huang (University of Liverpool)

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Oct.24 14:00-18:00	POSTER Session
P.57	A Self-Decoupled Wideband 4 × 4 Antenna Array with High Port Isolation (#255)
	Jianfeng Qian, Yi Wang (University of Birmingham)
P.58	Target Scattering Center Extraction and Reconstruction Verification Based on Fuze HRRP Profile Diagram (#257)
	Tongtong Lu, Yan Du, Yi Liao, Yongchen Li, Xinyi He (Shanghai Radio Equipment Research Institute)
P.59	A Polarization-Reconfigurable Half-Mode Substrate-Integrated X-Slot Array Antenna with a Frequency-Stable Broadside Beam (#673)
	Xudong Yang, Changhong Zhang (Chongqing University of Posts and Telecommunications)
P.60	Adaptive Resolution Two-Scale Regularization Framework for Wave Propagation Inverse Problems (#259)
	Xiumei An, Guzalnur Dilmurat, Yantong Wang (Yili Normal University)
P.61	Frequency-Reconfigurable Quasi-Circulator Based on Distributed Amplification Technology (#262)
	Jun Qin Cao, Yan-Hui Ke, Shao Yong Zheng (School of Electronics and Information Technology, Sun Yat-sen University)
P.62	Range and Velocity False-Target Injection into a 77-GHz FMCW Radar via a 1-Bit Time-Modulated Metasurface (#265)
	Miao Li, Ziyi Zhu, Liujia E, Bohan Zhang, Jitong Ma, Qiang Cheng (State Key Laboratory of Millimeter Waves, Southeast University)
P.63	Joint Movable-Antenna and Stacked-Intelligent-Metasurface Design for Near-Field Secure Wireless Transmission (#266)
	Junyu Tan, Juanjuan Zhang, Xingyu Zhao, Yu Zhang, Xinyue Hu (School of Electronics and Information Engineering, Anhui University)
P.64	Design of High-Transparency Transmissive Array Antenna for 5G Vehicular (#268)
	Kaifeng Sun, Fanyi Meng (Harbin Institute of Technology)
P.65	A Low-Loss Flexible Microstrip Line Based on Partially Perforated Polyimide Substrate (#272)
	Peng Zhang, Jialong Xie, Xianling Liang (Shanghai Jiaotong University)
P.66	Exploration of the Influence of Fog Inhomogeneity on Terahertz Radar Propagation Characteristics (#274)
	Hanyang Zhang, Shuhong Gong, Long Cheng (Xidian University)

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P.67	An All-Metal Tightly Coupled Tapered Slot Antenna Array for High-Power and Ultrawideband Application (#275)
	Xiao Ma, Kexiu Chen (Southwest China Reaserch Institute of Electronic Equipment)
P.68	Research on Integrated Design and Collaborative Localization Method for Cluster Munitions Fuse Detection and Communication (#279)
	Xiaojun Zhi, Sheng Fu, Yan Huang (Xi'an Institute of Electromechanical Information Technology)
P.69	A Single-Layer Bifilar Helix Antenna Fed by Slot-Coupled Balun for Satellite Navigation (#662)
	Nan Wang, Songbo Cheng, Lei Wang, Wei Wu, Guangwei Yang, Peng Cheng (Power Research Institute of State Grid Shaanxi Electric Power Corporation Limited)
P.70	Dynamic Intelligent Frequency Selection for VLF Radio Waves Using a Physical Risk Prior and Residual Double DQN (#668)
	Chen Yang, Jintian Yu, Huiran Zeng, Nannan Sun, Tong He, Kai Li (Xidian University)
P.71	Performance Assessment of ML-Based foF2 Predictions in Mid-Latitudes (#654)
	Jingjing Li (Institute of Geology China Earthquake Administration)
P.72	Single-Pixel Imaging Based on Time-Space Modulated Metasurface (#658)
	Ziang Yue, Shuyang Lyu, Xinyuan Xu, Mingyuan Sun, Yuzhong Wang, Jiaran Qi (Harbin Institute of Technology)
P.73	A Slot-Coupled Balun-Fed Bifilar Helix Antenna with Director-Strip (#660)
	Nan Wang, Xinjiang Liu, Chen Wang, Feng Gao, Xuefeng Zhao, Pengchao Guo (Power Research Institute of State Grid Shaanxi Electric Power Corporation Limited)
P.74	LSTM-Based Local Weather Forecast Correction for Weather-Driven Tropospheric Millimeter-Wave MIMO Channel Prediction (#661)
	Tingting Lv, Muyu Hou, Hantao Yu, Chanyu Zhan, Zicheng Chen (Hangzhou Dianzi University)
P.75	Design of C Band Circularly Polarized Hemispherical Array Antenna (#653)
	Guantao Chen, Jin Yao (The Xi'an Research Institute of Navigation Technology)

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P.76	Design of a Miniaturized Dual-Polarized Log-Periodic Antenna Based on Shared-Arm Structure (#648)
	Qiong Wang, Yanfang Li, Xiaofei Ren (China Research Institute of Radiowave Propagation)
P.77	A Wideband Reflection-Type Phase Shifter Using Mutual-Capacitor-Loaded Coupled Lines and DGS (#649)
	Ying Han, Fuchang Chen, Zhihong Tu (South China University of Technology)
P.78	A Fast Simulation Method for 360° Broadband Phase Shift (#650)
	Hongbing Liu, Ziang Yue, Yinghan Wang, Yuzhong Wang, Jiaran Qi (Harbin Institute of Technology)
P.79	Analysis of the Collision and Interference Risks of Low-Orbit Constellations with the Space Station CSS (#646)
	Yuhao Wang (North University of China)
P.80	Second-Scale Formation of Non-Field-Aligned Plasma Irregularities Observed from a High-Altitude 43-Cassiopeiids Fireball (#647)
	Yi Li (Institute of Geology and Geophysics, Chinese Academy of Sciences)

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Oct.24 14:00-18:00	POSTER Session
P.81	Incremental Modulation Recognition for Non-Orthogonal Downlink Signals Using BiLSTM (#669)
	Chunyu Liu, Xiaomeng Sun, Jun Yuan, Fang Liu, Yanghao Wang (China Satellite Network System Research Institute Co., Ltd.)
P.82	Broadband Circuit Models for Piezoelectric and Piezomagnetic Antennas (#281)
	Yuhao Song, Haonan Lv, Wei Gu (Beijing Institute of Technology)
P.83	A Wideband Circularly Polarized Microstrip Antenna with Sequential Rotation Feeding for GNSS Applications (#282)
	Rong Liang, Chong Zhang, Xiaoyan Zhou, Lei Ma, Siwen Li (Shenyang University of Technology)
P.84	Construction Technology of Knowledge Engine for Autonomous Frequency Decision-Making (#285)
	Yuhai Du, Sen Tang, Yuemeng Yin, Lei Che, Fengjuan Sun, Wenwu Zhou (China Research Institute of Radiowave Propagation)
P.85	A 3D Printed Planar Reflective Fresnel Lens Antenna (#286)
	Xiaoyan Zhou, Chong Zhang, Rong Liang, Siwen Li, Kedi Zhang (Shenyang University of Technology)
P.86	Revisiting Orthogonal Time Frequency Space Modulation through Transmitter Redundancy and Receiver Configurations (#639)
	Yancen Meng, Kuang Zhang, Zhonghao Yuan, Chenxing Tan, Hao Wang, Zheng Wang (Harbin Institute of Technology)
P.87	Background-Estimation-Assisted Fusion for Hyperspectral Anomaly Detection (#292)
	Jiayi Wang, Huixin Zhou, Jiangluqi Song, Pei Xiang (Xidian University)
P.88	Predictive Beam Tracking for LEO Ground Positioning with Improved Radio Propagation Performance (#294)
	Yonghui Yan, Longzhu Cai, Yan Zhang (Nanjing Engineering Vocational College)
P.89	Hypersonic Plasma Target Recognition Based on SE-ResNet (#103)
	Yuan Liang, Wei Chen (Anhui University)
P.90	Semantic-Aware Hierarchical Task Offloading in Space-Air-Ground Integrated Networks (#301)
	Yue Huang, Ming Yang, Luyang Zhang, Fei Du, Suiyan Geng (North China Electric Power University)

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Oct.24 14:00-18:00	POSTER Session
P.91	Scattering Analysis of Radome-Enclosed Antennas Using a Hybrid PO-TMM Method (#302)
	Kexin Zeng, Hao Wang, Bing Wei (Xidian University)
P.92	Waveguide Port Modeling for DGTD Using Edge Basis Functions (#303)
	Di Mei (Xidian University)
P.93	Inversion of Electron Temperature Based on the Split Plasma Line Spectrum in Magnetized Ionospheric Incoherent Scattering (#304)
	Songyang Wu, Bin Xu, Haiying Li, Qinglin Zhu (Xidian University)
P.94	Fast VIE-FMM Solution with Reusable Near-Field Impedance Block-Diagonal Preconditioning (#305)
	Peirong Pan, Haixuan Zhang, Jianzhou Li, Pengcheng Jiang, Kuisong Zheng, Xiangwei Liu (Northwestern Polytechnical University)
P.95	A Shaped Beam Design Based on Phased Array Fed Reflector Antenna (#307)
	Siqi Wang, Dapeng Liang, Long Zhang, Weibing Zhang, Xiao Tao, Jinwen Shi (China Academy of Space Technology (Xi'an))
P.96	SecureDriver: Physical-Layer Driver Authentication via mmWave Hand Signatures and Triplet Hard Mining Metric Learning (#309)
	Epherem Merete Sifra, Qurat Ul Ain, Nan Zhao, Xiaodong Yang (Xidian University)
P.97	Stepwise Sparse Recovery Based Target Detection for Passive Bistatic Radar in Strong Clutter (#313)
	Kang Ruan, Zhixin Zhao, Yu Zhang, Bohao Zhang (Nanchang University)
P.98	Propagation Modeling and Anti-Jamming Analysis of HaveQuik Waveform in Tactical VHF/UHF Channels (#317)
	Liuyang Gao (China National Key Laboratory on Test and Evaluation for Electromagnetic Space Security)
P.99	Numerical Simulation of HEMP Coupling Effects on Fuze Systems (#318)
	Yaping Ji, Chengcheng Sun, Jie Ma, Tengfei Xu, Shiyi Li, Hengzhen Feng (Xi'an Institute of Electromechanical Information Technology)
P.100	Design of a Three-Band Co-Aperture Base Station Antenna with Small Frequency Ratio and Low Profile Integrated on the Radiating Surface Based on FSS Technology (#321)
	Yuxuan Dong (University of Electronic Science and Technology of China)

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Oct.24 14:00-18:00	POSTER Session
P.101	A Compact Wideband Dual-Polarized Magnetoelectric Dipole Antenna with Wide Beamwidth Using Crossed Coaxial Baluns (#323)
	Yuning Li, Min Wang, Mingyang Li, Hongji Xu, Aixin Chen (Beihang University)
P.102	A Horizontally Polarized Omnidirectional Antenna Based on a Cylindrical Metasurface Array (#324)
	Xiaopeng Chen, Junxiao Wang, Kang Yang, Liangen Jin (No.724 Research Institute of CSSC)
P.103	Electromagnetic Interference Injection-Monitoring System for Coaxial Cables in Ex-Core Reactor Power Neutron Measurements (#328)
	Wei Gao, Baofu Chang, Xin Cheng, Quan Huang, Hui Li, Weiheng Shao (China Nuclear Power Operations Co., Ltd.)
P.104	A Doppler Positioning Method Based on Adaptive Sliding Windows and Segmented-Arc Modeling (#332)
	Ying Zhang, Yue Xu, Qiuzhen Yan, Qidong Chen, Rui Liu, Xinwei Liu (China Research Institute of Radiowave Propagation)
P.105	Construction of Bounding Volume Hierarchies Based on Incremental Insertion Optimization and Its Application in the Shooting and Bouncing Ray Method (#333)
	Hongwei Liu, Ming Feng, Zhijie Xie, Pengcheng Gao, Yi Liao, Xiaobing Wang (National Key Laboratory of Scattering and Radiation)
P.106	K-Band High-Efficiency Full-Metal Circularly Polarized Filtering Antenna (#334)
	Yuyang Zheng, Wei Wang, Yanbin Luo, Lei Zhao (East China Research Institute of Electronic Engineering)
P.107	GRU-Based Evaporation Duct Strength Prediction for Maritime Beyond-Line-of-Sight Channel Characterization (#336)
	Shuo Zhang, Jian Wang, Cheng Yang (School of Microelectronics Tianjin University Tianjin)
P.108	A Low Profile Reflectarray Antenna Based on a Splash Plate Feed (#342)
	Junlin Wu, Xiantong Qin, Rihan Ding, Haipeng Lu (University of Electronic Science and Technology of China)
P.109	Design of a Filter-Loaded Broadband Output Circuit for an L-Band Multi-Beam Klystron (#343)
	Zhewen Cheng, Dongfeng Li, Xiu Liu (Beijing Vacuum Electronics Research Institute)

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Oct.24 14:00-18:00	POSTER Session
P.110	Research on Three-Dimensional Electromagnetic Radiation Distribution of 5G Base Station in Complex Urban Environments (#350)
	Xiaoyu Wang, Ming Xu, Zhuowei Chen, Guozhuo Gong, Xin Wang, Yuan Yuan (Institute of Urban Safety and Environmental Science, Beijing Academy of Science and Technology (Beijing Municipal Institute of Labor Protection))
P.111	A Ultra-Wideband Millimeter-Wave Metasurface Antenna Array Using an Equivalent-Circuit Model and Characteristic Mode Analysis (#351)
	Zhi Zhao, Jiwei Lian, Dazhi Ding (Nanjing University of Science and Technology)
P.112	Fast Electromagnetic Performance Analysis of UAV Swarm-Based Antenna Arrays under Multiple Random Errors (#354)
	Haobin Zhao, Yalin Fan, Haonan Zhang, Shunxi Lou, Sihao Qian, Wei Wang (Xidian University)
P.113	Power-Only Single-Frequency Inversion in a Short-Circuited Multi-Probe Coaxial Line Using Variable Projection (#359)
	Zhenhua Wang, Hongfu Guo, Junkai Bai (Xidian University)
P.114	Fast Dynamic RCS Simulation of Moving Targets Based on Adaptive BVH Update (#360)
	Haoran Wei, Hao Wang, Bing Wei, Hongwei Liu (Xidian University)
P.115	X-Band Sea Clutter Response to Local Evaporation Duct Height Variations (#363)
	Yihao Xu, Yuqiang Zhang (School of Earth and Space Science and Technology, Wuhan University)
P.116	A Parametric Scenario Construction Method for Complex Electrical Stress Environments of Multi-Platform Fuze Systems (#364)
	Juanying Chen (National Key Laboratory of Proximity Detection and Control; Xi'an Institute of Electromechanical Information Technology)
P.117	Terahertz Scattering Imaging of Targets and Backgrounds in Ground Scenes (#367)
	Wenhui Hu (National Key Laboratory of Proximity Detection and Control)
P.118	Nonuniform Plasma Electron Density Estimation Based on Bayesian Regularization Neural Network (#372)
	Liping Gan, Lixin Guo, Hao Du, Haichao Zhan (Henan Normal University)

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Oct.24 14:00-18:00	POSTER Session
P.119	Confidence-Weighted K-Means for Pulse Sorting Based on Three-Channel Aliased Sampling (#375)
	Yiyun Wang, Yuqi Wang, Xuhong Li (Xi'an University of Science and Technology)
P.120	K-Band Dual-Circularly Polarized Horn Antenna with High Inter-Port Isolation for Satellite Measurement (#377)
	Menghui Li, Haoran Yang, Yan Zhang (Southeast University)

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Oct.24, 18:30- Oct.25, 12:00	POSTER Session
P.81	Quantitative Analysis of the Nighttime Effects of Radiation Belt Energetic Electron Precipitation on the D-Region Ionosphere during Lower Solar Activity Periods (#544)
	Shufan Zhao, Xuan Dong, Li Liao, Wei Xu, Ruilin Lin (National Space Science Center, Chinese Academy of Sciences)
P.82	FDTD Algorithms for Electromagnetic Scattering from Electrically Large Targets Based on Heterogeneous Computing Platforms (#546)
	Musong Cheng, Chungang Jia (The 38th Research Institute of CETC)
P.83	Dual-Polarized Pattern Manipulation Surface with Flexible Power Divi-Sion Ratio and Independent Beam Steering (#547)
	De Yin, Lei Zhu (University of Macau)
P.84	Near-Field Distribution of a Vehicle in a Reverberation Chamber (#548)
	Feng Fang, Yue Zhang, Jiachao Liu, Yongjiu Zhao, Lei Xing, Qian Xu (Nanjing University of Aeronautics and Astronautics)
P.85	Design of a C-Band Broadband Circularly-Polarized Folded Array with Pseudo Random Phase Presetting (#550)
	Jianjun Ding, Xianbin Ouyang, Shuchun Zheng, Jie Wu, Yaobing Wei, Jun Hu (1.Jiu Jiang Branch of Tianjin Nautical Instrument Research Institute 2.Jiangxi Province Key Laboratory of Ship Navigation Control Technology and Equipment)
P.86	W-Band High-Gain Monopulse Antenna Based on Gap Waveguide (#551)
	Wenjie Tang, Liwei Guo, Siyu Chen (Guilin University of Electronic Technology)
P.87	Phase-Only Multibeam Generation for Phased Arrays with Fixed Amplitude Weights (#554)
	Hongyang Zhao, Bin Xu, Haiying Li (Xidian University)
P.88	A Point Scattering Center Amplitude and Phase Correction Method Based on Full-Wave Surface Current Weighting (#558)
	Zeng Yang, Tianxu Yan, Xinyi He, Ming Feng, Xiaolin Mi, Yonggang Xu (National Key Laboratory of Scattering and Radiation)
P.89	Research on Deployment Method of Monitoring Stations for Rocket-Launch-Induced Ionospheric Disturbance (#542)
	Shenquan Tao, Shucan Ge, Bin Xu, Hailong Li, Xiang Dong, Boyan Tao (University of Electronic Science and Technology of China)

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Oct.24, 18:30- Oct.25, 12:00	POSTER Session
P.90	Unified Physical-Optics Modeling for Bistatic SAR Imaging of an Aircraft over Rough Ground (#562)
	Chaofan Li, Ding Nie, Wangqiang Jiang (Xidian University)
P.91	Electromagnetic Scattering Coupling Characteristics of Low-Speed Dynamic Small-UAV Groups (#571)
	Bo Sun, Wenhui Hu, Changhao Ma (Xi'an Institute of Electromechanical Information Technology)
P.92	Near-Field RCS Reconstruction and Analysis at Continuous Distances Based on Three-Dimensional Point Scattering Center Model (#575)
	Tongtong Lu, Shuang Wang, Yi Liao, Zhen Wu, Xinyi He (Shanghai Radio Equipment Research Institute)
P.93	Neural Operator Modeling of Two-Dimensional Tropospheric Radio Propagation over the Ocean (#577)
	Haixiang Hu, Chunhua Jiang, Tongxin Liu, Guobin Yang (Wuhan University)
P.94	A Compact Ultra-Wideband Coaxial Cavity Filter with High Stopband Suppression (#578)
	Zuhao Jiang, Junyao Lu, Sili Qin, Lin Peng (The Key Laboratory of Microwave and Optical Wave Application Technology, Guangxi Education Department, Guilin University of Electronic Technology)
P.95	A Design Approach for Wideband Filtering Marchand Baluns with Impedance Transformation Capability Based on Asymmetric Coupled Lines (#579)
	Yan Zhang, Bin Xia (Shanghai Institute of Aerospace Electronics and Communication Equipment)
P.96	High-Fidelity Rotor Micro-Doppler Signature Emulation Using a 2-Bit Coding Metasurface (#581)
	Ruilong Duan, Jinxing Guo, Yihao Xu, Zhangbiao Yang, Dongfang Guan (National University of Defense Technology)
P.97	Bistatic EM Scattering Modeling of Maritime Target and Imaging Characteristic Analysis (#582)
	Shaohua Wang, Xiao Meng, Lixin Guo (Xidian University)
P.98	Hardware-in-the-Loop Testing Platform for Dynamic Beam-Tracking Evaluation of LEO Terminals (#541)
	Zhou Xu, Sijia He, Sifan Li, Xinyue Li, Yuqin Fu, Qiuqin Huang (China Satellite Network Exploration Co., Ltd)

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Oct.24, 18:30- Oct.25, 12:00	POSTER Session
P.99	Design of an Integrated Filtering and Low-Noise Amplification Front-End for Weak Electromagnetic Leakage Detection (#583)
	Youshan Wang, Dawei Liu (Beihang University, Zhongguancun Laboratory)
P.100	TE/TM Dual-Channel Quasi-One-Dimensional Plane-Wave Injection in Three-Dimensional Layered-Media FDTD Method (#589)
	Haonan Feng, Xinbo He, Bing Wei (Xidian University)
P.101	Joint Estimation Method of Distributed Composite Tracking and Sensor Registration over Non-Ideal Communication Links (#591)
	Xinyu Yang, Yan Liu, Mingmin Shu, Jiehao Zhu (National Key Laboratory of Electromagnetic Space Security, the 29th Research Institute of China Electronic Technology Group Corporation)
P.102	A Dual-Polarized Planar Tightly Coupled Dipole Array with MS-WAIM for Wideband and Wide-Angle Beam Scanning (#592)
	Jiarui Wu, Zhihong Tu, Guiping Jin (South China University of Technology)
P.103	A 4DVarNet Method for Three-Dimensional Atmospheric Modified Refractivity Reconstruction (#593)
	Jinze Li (Wuhan University)
P.104	A Broadband Four-Channel Sum-and-Difference Network Using Magnetic-Core-Loaded Coaxial Transmission Lines (#594)
	Hanping Fang, Wenkui Chen, Zhengbin Wang (Nanjing Research Institute of Electronics Technology Nanjing)
P.105	Target Detection Capability Analysis Based on Full-Polarization Autocorrelation Matrix (#595)
	Weiyue Jing, Feifei Wang, Yingqiang Wu, Xi Zhang (National Key Laboratory of Electromagnetic Wave Propagation, China Research Institute of Radiowave Propagation)
P.106	WRF-NPS-Driven SSPE Modeling of Radio Wave Propagation in Evaporation Duct Environments (#598)
	Langwen Mai (Hainan University)
P.107	Using an Admittance Inverter with a Non-Foster Negative Capacitor to Compensate Transmission Zero Shift in Cross-Coupled Bandpass LC-Filters (#540)
	Nikita Kalmykov, Alexander Leontyev, Dmitry Kholodnyak (Saint Petersburg Electrotechnical University "LETI")

2026-10-25 am
Hallway

Oct.24, 18:30- Oct.25, 12:00	POSTER Session
P.108	Efficient Marine Radio-Wave Propagation over Fractal Sea Surfaces Using the Numerov-Padé Method (#601)
	Wenjie Yin, Yongqin Yang, Ting Su (Hainan University)
P.109	A Slotted and Perforated Metasurface Unit Cell Design for Bandwidth-Enhanced and Low-Voltage Programmable Reflectors (#604)
	Yueluan Cheng (Northwestern Polytechnical University)
P.110	Ocean Current Induced Attitude Effects on Cross-Medium Magnetic Fields of UUV Dipoles (#606)
	Jiayu Zhang, Mingyue Yang, Gaoqi Dou (Naval University of Engineering)
P.111	A Low-Profile Dual-Polarized Ultra-Wideband Wide-Scanning Planar Phased Array (#609)
	Huanbin Wang, Zhihong Tu, Jiarui Wu, Fuchang Chen (South China University of Technology)
P.112	A Conformal Miniaturized Bandpass Frequency-Selective Surface in X-Band for Radome Applications (#536)
	Songyang Liu (Anhui Province Engineering Laboratory for Antennas and Microwave)
P.113	Equivalent Modeling Method and Experimental Study on Typical Aircraft Stealth Materials under Lightning Environment (#553)
	Zemin Duan, Xiaoliang Si, Xiaoer Li, Shanliang Qiu, Chuanwen Zhu, Xuesong Deng (National Key Laboratory of Electromagnetic Information Control and Effects)
P.114	Application-Oriented Infrared Signature Assessment of a Ge/TiO2//Si/SiO2 Heterostructure Photonic Crystal for Arid-Environment Mobile Power Enclosures (#629)
	Miao Liu, Xia Hu (China Helicopter Design and Research Institute)
P.115	Adaptive Long-Wave Infrared Camouflage of Plateau Sensor Enclosures Using a VO2/HfO2 Thermochromic Bragg Photonic Crystal (#634)
	Miao Liu, Xia Hu (China Helicopter Research and Development Institute)
P.116	An Isolation-Enhanced Millimeter-Wave Array Using a Dielectric Decoupling Layer (#537)
	Zhengbiao Wang (The 36th Research Institute of China Electronics Technology Group Corporation)
P.117	Influence of Time-Frequency Distribution Feature Modulation on Deep Learning Recognition Networks (#521)
	Xiaofeng Ai, Wei Wang, Yurong Zhang, Yiqi Zhu, Ke Wang, Zhiming Xu (National University of Defense Technology)

07

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中国电子学会简介

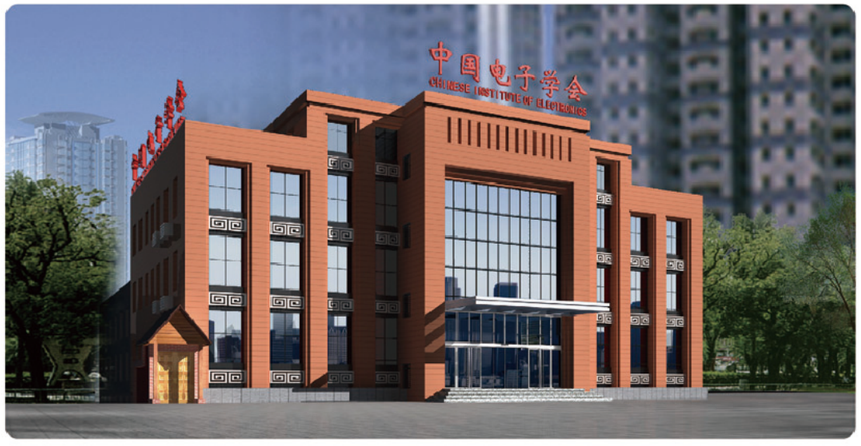
中国电子学会 (Chinese Institute of Electronics) 成立于 1962 年，现拥有个人会员 17.3 万人，团体会员 1700 余家，专业分会 47 个，专家委员会 18 个，工作委员会 9 个。中国电子学会总部是工业和信息化部直属事业单位，在职人员近 200 人。中国电子学会 (含分支机构) 是中国科协的重要组成部分，工作人员近 5000 人。30 个省、自治区、直辖市、计划单列市有地方电子学会。中国电子学会是 5A 级全国学术类社会团体。

中国电子学会的主要工作是开展国内外学术、技术交流；开展继续教育和技术培训；普及电子信息科学技术知识，推广电子信息技术应用；编辑出版电子信息科技书刊；开展决策、技术咨询，举办科技展览；组织研究制定和应用推广电子信息技术标准；接受委托评审电子信息专业人才技术人员技术资格，鉴定和评估电子信息科技成果；发现、培养和举荐人才；奖励优秀电子信息科技工作者。

中国电子学会的 47 个专业分会覆盖了半导体、计算机、通信、雷达、导航、微波、广播电视、电子测量、信号处理、电磁兼容、电子元件、电子材料等电子信息科学技术的所有领域。中国电子学会编辑出版学术类、技术类、科普类和产品信息类等各种类型的期刊 10 余种。

经国家科学技术奖励工作办公室批准，中国电子学会设立了“中国电子学会科学技术奖”，奖励优秀人才和优秀科技成果的研究者，鼓励发明创造，激励创新精神。

中国电子学会是世界机器人合作组织 (WRCO) 的成员单位，是国际信息处理联合会 (IFIP)、国际无线电科学联盟 (URSI)、国际污染控制学会联盟 (ICCCS) 的国家会员单位。发起成立了亚洲智能机器人联盟、中德智能制造联盟；联合国咨商工作信息通讯技术专业委员会秘书处、世界机器人大会秘书处设在中国电子学会。中国电子学会与电气电子工程师学会 (IEEE)、英国工程技术学会 (IET)、日本应用物理学会 (JSAP) 等建立了会籍关系。



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CHINESE INSTITUTE OF ELECTRONICS

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中国电子学会自 2015 年成为国家首批深化标准化工作改革的团体标准试点单位以来，坚持以开放、公平、公正、透明、协商一致和促进交流合作为原则，推动创新技术和科技成果标准化，立足市场迫切需求、面向行业创新需要，不断健全工作体制机制，持续推动电子信息科技成果和创新技术标准化，实现了团体标准从无到有、从弱到强、从探索尝试到规范运行、从点上布局到全面覆盖的转变。中国电子学会团体标准致力于助力产业高质量发展，促进科技成果转化，服务广大高等院校、科研机构，以及电子信息行业企业等单位和科技工作者。目前学会总计开展团体标准研制 500 余项、发布 200 余项，其中发布的多项标准入选“工业和信息化部百项团标示范项目”。学会标准覆盖机器人、物联网、5G、集成电路、软件、消费电子、电子可靠性、工业互联网、绿色数据中心等众多领域，涉及能源、电力、金融、交通、航空航天等重点应用领域。欢迎广大企事业单位、高校和科研院所积极申报学会标准项目，与我们共同推动电子信息行业高质量发展！

立项征集

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2022 年 2 月，国家标准化管理委员会、中央网络安全和信息化委员会办公室等十七部门联合印发了《关于促进团体标准规范优质发展的意见》。《意见》指出，团体标准将作为科研成果的重要考核指标之一并纳入地方奖励范围，增加团体标准在职称评定中的权重。同时指出团体标准在实施应用上，能够配套强制性国家标准、推荐性标准的实施，快速响应市场需求，填补标准空白，作为新技术载体推动科技成果产业化，围绕产业需求制定团体标准，推动政府采信，依据团体标准开展合格评定活动等。

电波传播全国重点实验室

National Key Laboratory of Electromagnetic Wave Propagation

National Key Laboratory of Electromagnetic Wave Propagation is supported by China Research Institute of Radiowave Propagation, whose research fields focus on the radiowave propagation effects and characteristics in natural/artificial electromagnetic radiations and underground (undersea), ground surface (sea surface), troposphere, near space, ionosphere, interplanetary space and other environments, supporting the development of China's radio technology.

The Laboratory boasts a dedicated team of over 110 reserchers, including 1 academician, national candidates of the New Century National Hundred, Thousand, and Ten Thousand Talent Project, Changjiang Scholars Jointly Appointed by University and Enterprise,Zhongyuan Scholar of Henan Province, Henan Province Central Plains Leading Talents,Shandong Province's "Taishan Scholars", the group's chief experts and other high-level talents 17 scholars.

Laboratory has two experimental bases: Kunming Experimental Base and Qingdao Experimental Base. At these two bases, amounts of experimental, theoretical and methodological studies of radiowave propagation have been conducted, and a suite of models for the ionosphere and radio meteorology over China region, and radio wave propagtion and prediction have been established by the Laboratory. In recent years, the Laboratory has won 3 first prizes of the National Science and Technology Progress Award, 1 first prize of the National Technology Invention Award, 1 special prize, 7 first prizes, 10 second prizes and 4 third prizes of the ministerial and provincial-level Science and Technology Awards.

Laboratory has a high academic status and international influence, which participates actively in the relevant international organizations and international cooperative researches on behalf of China, such as International Telecommunication Union (ITU), International Union of Radio Science (URSI). The Laboratory has proposed more than 20 contributions, revisions and stantards to ITU and other international organizations.

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国际电信联盟
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云南昆明电磁波环境国家野外科学观测研究站
YUNNAN KUNMING ELECTROMAGNETIC ENVIRONMENT NATIONAL OBSERVATION AND RESEARCH STATION

CETC 中国电子科技集团公司第二十二研究所

National Field Observation and Research Station (Yunan Kunming) for Electromagnetic Environment



1.Introduction

National Field Observation and Research Station (Yunan Kunming) for Electromagnetic Environment (NORSEE) started construction since 2002 and formal approved by the Chinese ministry of science and technology in 2021. It was the first one about the electronmagnetic environment.

More than ten equipments was constructed in this site including the first incoherent scatter radar,VHF conherent scatter radar, the Rayleigh scatter lidar, Meteor radar, medium frequency radar, etc.

The research fields including the standard measurement, data process and analysis, simulation and predict model, application and public services.

2. Major achievements

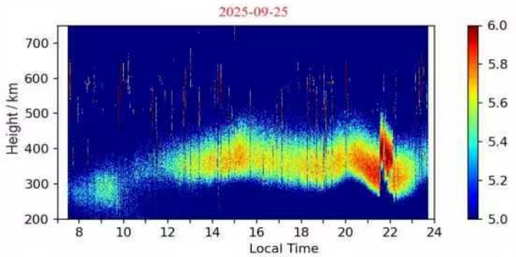
(1) Method of inversion the mesopause temperature and density from Meteor radar, interferometry measurement of filed-aligned irregularity, extraction of the debris characterisc from the ISR, imageing the moon

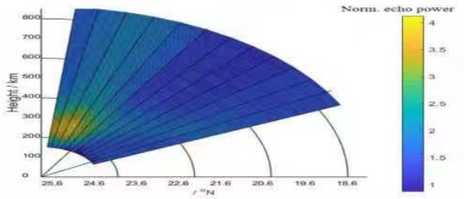
(2) Variation characteristc and mechanism of the mean wind, atmosphsric waves and electron density.

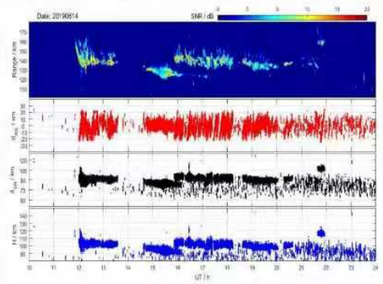
(3) Forecast model of the atmospheric multi parameters from 20 to 100km, the ionospheric D-region and ionospheric Scintillation probability.

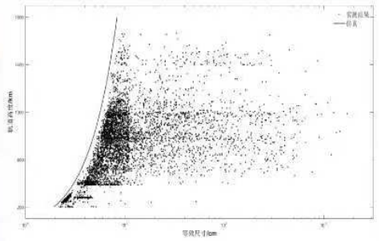
(4) Wide cooperations with the Chiense Meridian Project, International Meridian Circle Project, etc.

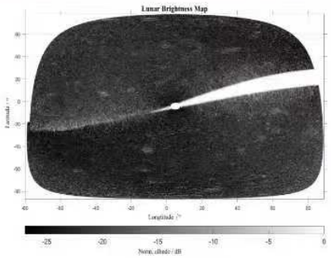
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THE 22ND RESEARCH INSTITUTE OF CHINA ELECTRONICS TECHNOLOGY GROUP CORPORATION

西安电子科技大学物理学院及复杂环境光电信息感知教育部重点实验室

西安电子科技大学的前身是毛泽东等老一辈革命家亲手创建的我党我军第一所工程技术学校。学校是以电子与信息学科为特色，是国家“211工程”重点建设高校、国家“优势学科创新平台”建设高校、国家“双一流”建设高校。

西安电子科技大学物理学科先后经历了20世纪中期的基础部物理教研室、物理系、理学院物理学科、物理与光电工程学院物理学科等阶段。2022年成立物理学院，同年物理学科进入ESI排名全球前1%。物理学科的先辈们在国内率先开展了无线电物理教学和科研活动，是全国最早建立无线电物理专业的院校之一，在随机介质波传播与散射等方面成果显著，研制出我国第一部毫米波通信样机。近年来，学院获得国家级和省部级科学技术奖励十余项、国家级教学成果二等奖及陕西省教学成果特等奖等省部级以上教学奖十余项。学院培养出了中国科学院院士、欧洲科学院院士王中林，中国科学院院士武向平，中国工程院院士于全等一大批行业领军人物，为国家建设和社会进步做出了重要贡献。物理学院坚持“强基固本、突出特色、追求卓越”的发展理念，坚持“信息物理、理工交融”的办学特色，坚持“学科强院、人才兴院、教学立院、开放建院”办院方针，秉承“增量发展、带动存量、物理+”的原则，在人才培养、科学研究和交流合作等方面形成一个可持续发展的、极具吸引力的物理学科，力争将学院建设成为国内工科院校中的标杆物理学院之一。

复杂环境光电信息感知教育部重点实验室于2023年3月获批建设，实验室研究领域涉及的学科包括物理学、光学工程、电子科学与技术、通信与信息工程等。实验室面向国防重大基础问题，打造本学科领域的国家级一流研究队伍，通过跨领域协同创新，整合资源、政策引导、引育并举吸纳杰出人才。实验室在我校优势学科人才培养长期沉淀的基础上，培养具有扎实理论基础、交叉学科专业知识的拔尖创新人才和国防专业人才。通过实验室平台与国防军工单位建立紧密深度合作关系，以科研合作为切入点，科教协同联合育人，为国防科技领域输出生力军，并培养造就本领域杰出领军人才。实验室力争建设成为复杂环境光/电信息感知领域的创新性研究、高层次人才培养、高水平学术交流与高质量成果转化的国家级基地。

电磁空间安全全国重点实验室

为顺应国家重大战略需求，在国防科工局、军委科技委、电科集团的坚强领导下，原依托电科29所、36所、53所建设的三个国防科技重点实验室于2023年1月获批成为第一批优化重组的国防科技重点实验室，正式更名为电磁空间安全全国重点实验室（以下简称实验室）。

作为第一、二批优化重组的94个实验室中唯一由三个已有的国防科技重点实验室整合形成的新国防科技重点实验室，代表了我国电磁空间安全领域的最高水平。

实验室目前拥有中国工程院院士领军的一支固定人员300余人的高学历高水平研究团队。重组以来，荣获国家级科技奖励2项、省部级科技奖励30余项，培养“万人计划”青年拔尖人才、电科集团十大科技领军人才等国家级、省部级人才近10人。

空间微波通信全国重点实验室

National Key Laboratory of Space Microwave Communications

空间微波通信全国重点实验室依托西安空间无线电技术研究所建设，聚焦空间微波通信研究领域，围绕国家重大工程和航天装备的发展需求，体系化开展应用基础研究、前沿技术探索和关键技术攻关，实现重大原始创新，支撑航天强国建设。

实验室构建了以学术带头人、优秀中青年为主体的研究团队，现有研究人员170余人；拥有国防科技创新团队 1支，集团公司科技创新团队 2支；是我国唯一专业从事空间微波通信技术研究的国家级重点实验室，具有鲜明的“空间”特色。近年来获得国家级科技奖项2项，省部级奖项20余项。

研究方向

系统研究	通信系统、通信协议与标准、终端与应用等
专项技术	通信转发、高速数传、天线与微波特殊效应等
前沿交叉	通感遥融合、微波光子、无线传能、量子通信、人工智能等

实验室建立了“基础研究-技术攻关-产品研发-产业应用”的创新链条，鼓励科研人员带着创新成果转入依托单位开展工程产品研制；与国内外一流高校、科研单位设有战略合作，是具有突出专业特色的高水平融合创新平台。

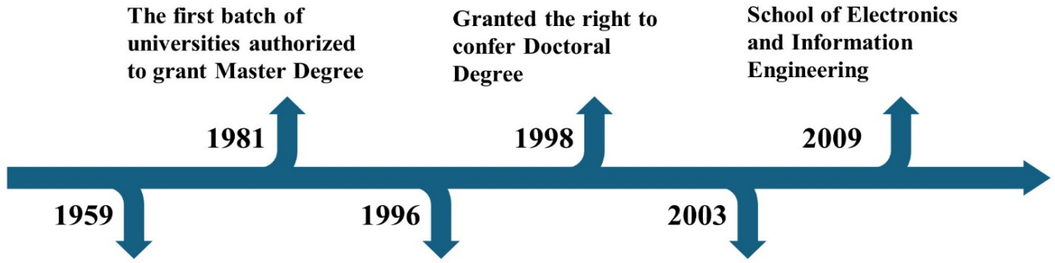





创新先锋 科技争雄 国重使命 逐梦苍穹

哈爾濱工業大學 HARBIN INSTITUTE OF TECHNOLOGY 电子与信息工程学院 School of Electronics and Information Engineering

History of SEIE



Introduction

The predecessor of the school was the Department of Radio Engineering of Harbin Institute of Technology, founded in 1959. In 2009, it was officially established as the School of Electronics and Information Engineering. The school has been committed to addressing major strategic issues closely related to the national economy and cultivating innovative talents with international competitiveness who are capable of solving practical engineering problems. Over the past five years, the school has undertaken more than 1,500 research projects with total research funding exceeding RMB 1.4 billion, publishing an annual average of more than 200 SCI-indexed papers and receiving more than 100 patent grants per year. Its technological achievements include China’s first new-system radar, a dedicated data-link system for precision target tracking, and center-of-gravity adjustment and electrical load simulation systems for flight testing of domestically developed large commercial aircraft. The school has won one State Preeminent Science and Technology Award, two first prizes, four second prizes and one third prize of the State Scientific and Technological Progress Award, and dozens of provincial and ministerial science and technology awards.

Upholding HIT’s school motto of “Strict Standards and Solid Foundation”, the school has always kept abreast of international frontiers, focused on original innovation, and emphasized the transformation and practical application of achievements. The school has 151 teaching and research staff, including one academician, 16 scholars selected for national talent programs, and two faculty members recognized as distinguished teachers in Heilongjiang Province. Its academic leader, Professor Liu Yongtan, is a member of both the Chinese Academy of Sciences and the Chinese Academy of Engineering, and a renowned expert in radar and electronic information systems. Its research platforms include a Belt and Road international joint laboratory, an engineering research center under the Ministry of Education, and key laboratories designated by the Ministry of Industry and Information Technology and Heilongjiang Province. The school’s goal is to build a world-class discipline of Information and Communication Engineering.



人才培养体系健全。建有“电子科学与技术”“信息与通信工程”两个一级学科。拥有“电子科学与技术”博士后流动站、“电子科学与技术”一级学科博士学位授权点和“电子信息”专业学位博士授权点。设有电子信息工程、通信工程、电子科学与技术、低空技术与工程4个本科专业。

科创平台建设有力。打造有系统级芯片封装平台、微波暗室测试平台、新型薄膜光伏器件制备平台、LTCC研发平台4大研究设施；共建有光电信息获取与防护技术全国重点实验室、新型射频器件与集成系统国防重点学科与技术研究中心等8个高能级创新平台。

师资队伍配置科学。现有教职工125人，专任教师96人，引育有教育部“长江学者”特聘教授、国家杰青、青年长江学者、国家优青、海外优青、安徽省人才计划获得者等高层次人才13人次。

科研产出能力强劲。连续6年获批国家自然科学基金区域联合基金重点支持项目，年度科研到账经费超过6000万元。近年来，荣获安徽省科学技术一等奖等10项，实现高价值科技成果转化6项。

安徽大学2026年引进人才待遇及支持条件

层类	岗位设置及引才对象	岗位薪酬	安家费	条件建设与科研启动费		备注
				条件建设费	科研启动费（视情按以下标准划拨学院统筹使用）	
1	第一层类（顶尖人才） 在服务国家重大战略需求和经济社会发展方面发挥重大作用，在学科建设、人才培养和科学研究等中做出卓越的、系统性的、创造性的成就和贡献，具有世界级影响力的资深学者专家。	面议	面议	面议	面议	年薪制
2	第二层类（领军人才） 在服务国家重大战略需求和经济社会发展方面发挥重要作用，在学科建设、人才培养和科学研究等中做出重大成就和贡献，具有重大影响力的领军人才。	年薪100-150万元	350万元	由学校、学院、学科、平台、课题组视情提供	实验性理工科300万元 非实验性理工科120万元 人文社科60万元	
3	第三层类（拔尖人才） 在服务国家和地方经济社会发展方面发挥重要作用，在学科建设、人才培养和科学研究等中做出重要贡献，具有重要影响力的优秀拔尖人才。	年薪80-100万元	100-200万元	由学校、学院、学科、平台、课题组视情提供	实验性理工科150万元 非实验性理工科60万元 人文社科30万元	
4	第四层类（优秀人才） 在服务国家和地方经济社会发展方面发挥积极作用，在学科建设、人才培养和科学研究等中做出积极贡献，具有较大影响力的学科带头人，或具有独立科研工作能力的海内外优秀人才。	年薪50-80万元（其中学校承担50万元，二级单位可配套，原则上总金额不超过80万元）	80-160万元（其中学校承担80万，二级单位可配套，原则上总金额不超过160万）	由学院、学科、平台、课题组视情提供	实验性理工科75万元 非实验性理工科45万元 人文社科25万元	年薪制（学校承担+学院配套）
5	第五层类（青年俊才） 年龄一般不超过40周岁，研究方向明确，已取得同行认可的突出业绩、具有独立科研工作潜质的海内外优秀教学科研人员、博士后、博士，应达到我校相应学科基本要求和标准。	30-50万元（其中学校承担30万元，二级单位可配套，原则上总金额不超过50万元）	50-100万元（其中学校承担50万，二级单位可配套，原则上总金额不超过100万）	由学院、学科、平台、课题组视情提供	实验性理工科30万元 非实验性理工科25万元 人文社科15万元	
6	第六层类（优秀博士） 年龄一般不超过35周岁，各学科教师队伍结构中紧缺的教学科研人才，具有一流学术基础和突出发展潜力的博士，应达到我校相应学科基本要求和标准。	讲师待遇+人才津贴（5年）2000元/月（+学院配套）	30-60万元（其中学校承担30万，二级单位可配套，原则上总金额不超过60万）	由学院、学科、平台、课题组视情提供	实验性理工科15万元 非实验性理工科10万元 人文社科10万元	结构化年薪

官方网站：dy.ahu.edu.cn　**人才专线：**0551-63861277　**投递邮箱：**dzxy@ahu.edu.cn

ISAPE2026

Guilin University of Electronic Technology (GUET)

Guilin University of Electronic Technology (GUET) is located in GUILIN, a world-renowned scenic city and a famous historical and cultural city in China. It is a university jointly built by the Ministry of Industry and Information Technology, State Administration of Science, Technology and Industry for National Defense and People's Government of Guangxi. GUET is selected for the National Basic Ability Construction Project of Western and Central China and a key university in Guangxi.

Our university has more than 3,400 teaching staff and 41,000 full-time students, and offers 76 undergraduate majors, of which 23 are national first-class majors and 19 have passed the engineering education certification. GUET offers 9 doctoral degree programs and 21 master's degree programs, owns 4 post-doctoral research stations. Five disciplines, including Engineering, Materials Science, Computer Science, Chemistry, and Environmental Science & Ecology, have entered the top 1% globally in ESI rankings.

GUET has undertaken a number of high-level national research projects such as the National Science and Technology Major Project, National Key R&D Program of China and the National Natural Science Foundation of China Key Project in the past five years, our university has added 327 national-level scientific research projects, published more than 2,000 papers included in SCI and EI, published more than 150 academic books, and won 96 provincial and ministerial scientific research awards.

The GUET owns many national, ministerial, and region-level research centers and research bases. The University Science Park of GUET was approved as a national one. GUET is the first batch for the transformation of scientific and technological achievements and technology transfer among Chinese universities and was approved as a national intellectual property pilot university in 2020.



巢湖学院·集成电路学院

Chaohu University · School of Integrated Circuits

1977	15	11	50	18
建校时间 / Founded	一流专业 / First-class Majors	学科平台 / Platforms	国家级项目 / Projects	海外合作院校 / Partners

学校概况 About Chaohu University

巢湖学院是安徽省属全日制公办本科高校，创建于1977年，2002年升格为本科院校，2024年获批重点立项建设硕士学位授予单位。学校设有15个二级学院、54个本科专业，全日制在校生近17000人，拥有省级以上人才73人（次）和省级团队34个。近年获批省部级以上科研项目580余项，授权国家发明专利200余件，70余项成果获领导批示或被政府采纳。五年来学生获省级以上学科技能竞赛奖项4863项，其中国家级1255项。学校拓展与"一带一路"沿线及美国、爱尔兰等18所院校合作。

Chaohu University is a public full-time undergraduate institution under the administration of the Anhui Provincial Government. Founded in 1977, it became a four-year undergraduate university in 2002 and was approved in February 2024 as a key project institution for building capacity to grant master's degrees. The University has 15 schools and 54 undergraduate programs, with nearly 17,000 full-time students. It has 73 person-times of provincial-level or higher talent recognition and 34 provincial-level teams. In recent years, it has undertaken more than 580 research projects at or above the provincial/ministerial level, been granted more than 200 national invention patents, and had more than 70 research outcomes endorsed by government leaders or adopted by government agencies. Over the past five years, students have won 4,863 awards in academic and skill competitions at or above the provincial level, including 1,255 national-level awards. The University has actively developed cooperation with Belt and Road countries and established partnerships with 18 institutions, including universities in the United States and Ireland. During the 15th Five-Year Plan period (2026–2030), it will strive to become a high-level, regionally focused applied university with distinctive strengths in electronic information.

3	73.7%	57.8%	12	6
本科专业 / Programs	博士教师占比 / PhD Faculty	副高以上职称 / Senior Titles	省级人才 / Provincial Talents	国家级项目 / NSFC Grants

学院简介 About the School of Integrated Circuits

集成电路学院成立于2026年1月，历经物理系（1978）、物理与电子科学系（2008）、电子工程学院（2018）等发展阶段，设有电子科学与技术、微电子科学与工程、物理学等本科专业，为新一代电子信息技术、集成电路、新能源汽车与智能家电等产业升级及"中国星城"（合肥）建设培养高素质应用型人才。

Established in January 2026, the School of Integrated Circuits traces its origins to the Department of Physics (1978), the Department of Physics and Electronic Science (2008), and the School of Electronic Engineering (2018). It offers undergraduate programs in Electronic Science and Technology, Microelectronics Science and Engineering, and Physics. The School cultivates high-quality applied professionals to support the upgrading of next-generation electronic information, integrated circuits, new-energy vehicles, and smart home appliances, as well as the development of Hefei as "China's Star City."

学科平台与科研

学院联合建设新型光电系统设备与驱动优化安徽省联合共建学科重点实验室，建设新一代电子信息校级重点学科及先进功能器件与复杂信息智能处理研究中心。已建成国家级大学生校外实践教育基地、省级微电子现代产业学院各1个。近五年主持国家自然科学基金6项、省部级项目20余项，获省部级科技进步奖1项，发表SCI、EI收录论文100余篇，授权国家发明专利60余件，实现成果转化10余件。

The School has jointly established the Anhui Provincial Jointly Built Discipline Key Laboratory of Advanced Optoelectronic System Equipment and Drive Optimization, and has developed the university-level key discipline of Next-Generation Electronic Information and the Research Center for Advanced Functional Devices and Intelligent Processing of Complex Information. It has one National Off-Campus Practice and Education Base for College Students and one Provincial Modern Microelectronics Industry College. Over the past five years, the School has led six projects funded by the National Natural Science Foundation of China (NSFC) and more than 20 provincial/ministerial projects; received one Provincial/Ministerial Science and Technology Progress Award; published more than 100 papers indexed in SCI/EI; been granted more than 60 national invention patents; and completed more than 10 technology transfer projects.

人才培养与国际交流 Talent Cultivation and International Exchange

学院坚持"学生中心、产出导向、持续改进"理念，学生在全国大学生智能汽车竞赛、"互联网+"大赛等赛事中累计获国家级和省级奖项200余项。近年教师应邀在APCAP、PIERS等国际会议作报告，积极开展"一带一路"学术交流。毕业生入职长鑫存储、阳光电源等头部企业，升学至北京邮电大学、杭州电子科技大学等高校，首次就业率达到90%以上。

Guided by the principles of student-centered education, outcome-based learning, and continuous improvement, the School has seen its students win more than 200 national and provincial awards in competitions such as the National College Students' Intelligent Car Competition and the China International College Students' "Internet Plus" Innovation and Entrepreneurship Competition. In recent years, faculty members have been invited to deliver presentations at international conferences such as the Asia-Pacific Conference on Antennas and Propagation (APCAP) and the Progress in Electromagnetics Research Symposium (PIERS), actively promoting academic exchanges under the Belt and Road Initiative. Graduates have joined leading enterprises such as ChangXin Memory Technologies (CXMT) and Sungrow Power Supply Co., Ltd., or pursued postgraduate studies at institutions including Beijing University of Posts and Telecommunications (BUPT) and Hangzhou Dianzi University (HDU), with a first-time employment rate above 90%.

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No.1 Bantang Road, Anhui Chaohu Economic Development Zone, Hefei, Anhui, China | Postcode: 238024

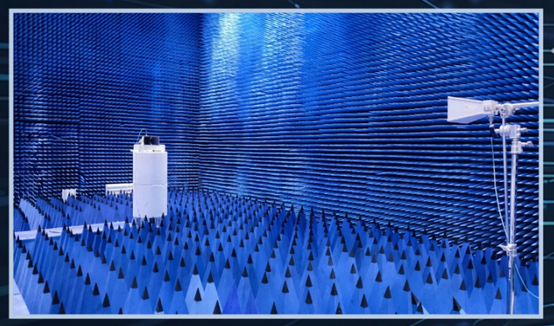
Anhui Province Key Laboratory of Simulation Calculation and Design for Electronic Information System

The Anhui Province Key Laboratory of Simulation Calculation and Design for Electronic Information Systems is a provincial research platform founded by Hefei Normal University.

Actively responding to the demands of Anhui's electronic information industry, the laboratory focuses on key technologies within the new-generation information technology field. To meet national and provincial strategic requirements for electronic information technologies, research is carried out in three primary directions: Efficient Electromagnetic Calculation and Simulation, Semiconductor Device Design and Packaging, and Design and Application of High-Speed and High-Frequency Information Sensing Systems.

Supported by its self-developed electronic information system simulation platform, the laboratory offers an openly shared public service platform for enterprises, universities and research institutes across Anhui Province. It has gradually developed into a hub for academic exchange, talent training, and achievement transformation for electronic information system simulation and design technologies in Anhui Province.

The laboratory boasts a high-caliber research team comprising reserve candidates for provincial academic and technical leaders, provincial master teachers and other outstanding scholars. The team undertakes a host of major national and provincial research projects and key special tasks, yielding a series of distinctive research outcomes and generating remarkable social and economic benefits.





合肥师范学院

HEFEI NORMAL UNIVERSITY

海南师范大学
HAINAN NORMAL UNIVERSITY

数据科学与智慧教育教育部重点实验室

实验室概况

海南师范大学数据科学与智慧教育教育部重点实验室于 2019 年 5 月获批立项建设。

- 计算科学与应用海南省重点实验室
- 数据技术与应用海南省工程研究中心
- 海南省教育研究发展院
- 教师教育信息化发展中心等。
- 海南省数学研究中心
- 海南省院士工作站
- 海南省教育大数据中心
- ……



四大研究方向

方向一：数据科学及应用研究方向

本方向聚焦数据科学全链条关键科学问题，下设数据科学中的数学理论基础、大规模科学计算与量子信息数学基础、生物医学大数据与智能计算、统计建模与因果推断四个子方向，累计发表SCI检索论文200余篇，授权发明专利10余项。

方向二：数智技术赋能教育教学变革与学生发展研究方向

本方向致力于揭示数智技术与教育教学变革、学生发展的逻辑关系，整合心理学研究力量，在青少年网络心理行为干预、特殊儿童教育干预、协作学习与创造力培养等方面形成交叉研究优势，成果获全国教育科学研究优秀成果奖等多项奖励。

方向三：教育智能科学与系统工程应用

本方向紧扣国家“人工智能+教育”战略需求，打通技术研发—场景适配—系统集成—落地应用全链条，下设教育智能科学理论与方法、教育智能系统可信应用、教育智能技术教学赋能、智慧教育集成创新与应用示范四个子方向，承担国家级项目10项、企业横向合作项目12项。

方向四：人工智能赋能热带海岛文化遗产数智保护与活化设计

本方向面向文化强国与海南自贸港建设需求，聚焦人工智能技术与设计学在文化遗产保护、活化和公共传播中的深度融合，围绕海南历史建筑、历史文化街区和非物质文化遗产开展多源采集、智能解析、保护决策与设计活化研究。







海南师范大学
HAINAN NORMAL UNIVERSITY

科研条件

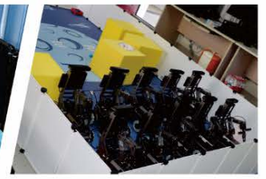
实验室现有面积 4000 多平方米，拥有总价值 2000 多万元的研究设备，具备良好的科研实验条件。下设 9 个实验室 / 中心：

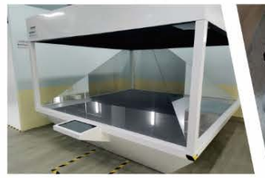
- 认知功能实验室
- 脑电 / 眼动实验室
- 近红外脑成像实验室
- AI 人工智能实验室
- VR 虚拟仿真实验室
- 智慧教室
- 数据分析中心
- 中小学创新实验室
- 教育测评实验室

科研成果

共发表论文**330余篇**，其中SCI/SSCI检索论文**290余篇**；申请专利**77项**，已获授权**47项**，获得**63项**软件著作权；出版编著、教材**29部**；承担科研项目**190余项**，其中国家级**58项**、省部级**120余项**；获各类奖项**36项**。









人才培养

- **研究人员：**100余人　**人员构成：**教授 26 人、副教授 32 人，讲师及实验师 10 人　博士学位者占比：73%
- **人才团队：**海南省“双百人才”创新团队：智慧教育创新团队、基础教育卓越教师培养改革与创新团队；
- **研究生培养：**共培养毕业本科生 1000 余人，硕士研究生毕业 84 人，博士研究生毕业 5 人；
- **学科竞赛：**指导学生参加学科竞赛共获国家级奖项 12 项，省级奖项140项；
- **研究生创新项目：**承担省研究生创新项目 34 项。获省优秀硕士学位论文 7 篇。







社会服务

实验室面向基础教育，以**“应用优先、统一规划、共建共享”**为原则，融合先进的教学理念，整合教学数据资源。

开发了智慧教育服务平台、智慧教育数据分析平台，形成了一支 50 余人的人才资源和平台维护技术队伍。

开展了大数据驱动的中小学生学业水平和 STEAM 教育应用示范，辐射涵盖海口、儋州、定安等十余市县的 50 余所示范学校。

构建了包括心理学专家教授、中小学心理健康教育骨干教师等优质人才的智库资源库。

科普基地信息

- 邮编：570100
- 电话：0898-65481798
- 网址：http://stsys.hainnu.edu.cn/
- 地址：海南师范大学 (桂林洋校区) 信息楼南楼



海南师范大学
HAINAN NORMAL UNIVERSITY

数学与统计学院

学院简介

海南师范大学数学与统计学院的前身为海南师范学院数学系，是学校最早建立的院系之一，至今已有70余年的办学历史。学院现拥有数学一级学科博士点及博士后科研流动站，以及人工智能交叉学科博士点和教育测量与评价急需学科博士点，形成了从本科到博士层次完整的人才培养体系。数学学科为海南省首批重点学科。

学院师资队伍结构精良、人才梯队完备，现有教职工70人，其中教授17人、副教授24人，博士生导师10人、硕士生导师28人，国家级、部省级各类高层次人才48人，高水平师资占比高、科研教学能力突出。学院在读学生共计1236人，包含本科生1089人、硕士研究生101人、博士研究生46人，办学规模稳步有序、育人体系日趋成熟。

学院设有数学与应用数学（师范）、统计学、数据科学与大数据技术三个本科专业，其中数学与应用数学专业获批国家一流本科专业建设点，并通过教育部师范专业二级认证，统计学专业获批海南省一流本科专业建设点。





学院拥有“数据科学与智慧教育”教育部重点实验室、“计算科学与应用”海南省重点实验室、海南省数学研究中心、海南省数据技术与应用工程研究中心、智慧教育技术海南省工程研究中心、海南省人工智能科普基地等8个省部级科研平台。

学院建有科学计算与统计分析实验室、计算机综合实验室、组合与信息科学实验室、数学建模实验室、大数据与人工智能实验室、统计实验室等专业实验室，仪器设备总值约2300万元。学院图书资料室是全校面积最大、藏书最丰富的院级资料室之一。

教学、科研环境



国内外知名专家讲座



中国科学院郑志明院士


清华大学贾仲孝



中国科学院叶向东院士


中国科学院李安民院士


Concordia 大学周晓文

学生获奖情况



林涛等荣获2023年MathorCup高校数学建模挑战赛三等奖



齐意萱荣获全国大学生大数据分析技术技能大赛一等奖



靳方舟荣获第十五届全国大学生数学竞赛一等奖



王昊等荣获中国国际“互联网+”大赛银奖



白雨鑫等荣获全国大学生市场调查与分析大赛二等奖



熊雨萱荣获第十五届全国大学生数学竞赛一等奖



王梦琪等荣获中国机器人及人工智能大赛三等奖



唐韬荣获第十四届全国大学生数学竞赛一等奖


程宝龙等荣获亚太地区大学生数学建模竞赛二等奖



黄琦荣获第十四届全国大学生数学竞赛一等奖



2026届考研光荣榜



学生活动风采



安徽朗普达科学技术有限公司
Anhui Lambda Science and Technology Co., Ltd.

超越边界 · 畅享无界
Boundary Nowhere Wireless Everywhere

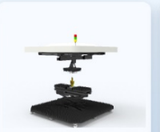
0.3-110GHz 全功能微波暗室 · 全频段 OTA 测试平台

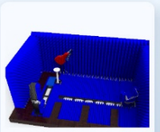

LMD-MTS系列

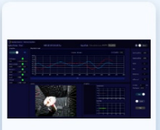

LMD-CRTS系列


LMD-FMTS系列


LMD-MPTS系列


LMD-PNSS系列


LMD-Hybrid系列


校准/测试软件

公司介绍 About Lambda

安徽朗普达科学技术有限公司成立于2024年5月16日，是安徽大学赋权的科技成果转化企业，主要提供应用于下一代无线系统的厘米波、毫米波及太赫兹前端综合解决方案，面向新一代信息、空天互联网、低空经济及智能网联汽车等产业，提供毫米波/太赫兹相控阵天线，5G/6G基站天线、卫星通信天线、车联网天线、雷达天线、终端天线的OTA性能检测设备及检测服务，以及毫米波天线射频前端，毫米波及太赫兹相控阵，多天线系统，新体制天线及射频前端，天线去耦合芯片，卫星天线等产品。公司核心技术聚焦**毫米波芯片相控阵天线**与**毫米波OTA测试**两大方向，共布局专利70余项，发明专利40余项，现已获得合肥市产投种子基金的投资并获得国家高新技术企业、国家科技型中小企业、创新型中小企业称号，入库合肥市空天信息重点产业链。目前公司已与**中国商飞、航天504所、国家电网、中电科13所**等标杆客户深度合作，获得一致好评。


0.3-110GHz 全功能微波暗室

遥测 / 通感天线（阵列）系列 Telemetry & Sensing Antenna Series

系列产品采用自主定义、自主可控的**第三代遥测通信体制**，具备数据标识管理、基带编码调制解调、射频放大、天线设计、信道适配、天线波束跟踪、数据QoS管理、遥测通信业务适配等全链路能力。拥有完整产品体系：**地面遥测站、遥测方舱、全数字相控阵、单轴电扫阵、补盲天线、多频段马刀及T型天线**，以及配套微波暗室、专用测试系统、专用数字处理板卡、多波段T/R模块与滤波器等，广泛应用于飞机、火箭、无人机、eVTOL、卫星、遥测车及智慧电网等场景。

>3dB	360°	≥5个	双极化	32通道
关键角域作用能力提升（核心专利）	方位电扫 俯仰 -2°~+90°	飞行目标 同时自动跟踪	LHCP / RHCP 左旋/右旋接收	全数字相控阵 7.125GHz以下全覆盖

主要产品 Main Products


全数字相控阵遥测站


地面遥测站（整机）


T型 / 马刀机载天线


机载共形阵列


机载天线布局仿真


ACU 多目标测控软件

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西安朗普达：西安市沣东新城协同创新港银河A座401室
电话：13891858286（赵经理） 19991283837（何经理） 邮箱：lambda@lambdacom.cn
公众号：lambdacomm

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DONGSHIN MICROWAVE ABSORBERS CO., LTD.

吸波材料 | 屏蔽暗室 | 电磁测试

GJB9001C-2017 · ISO 9001 · ISO 14001 · OHSAS 18001 · 知识产权管理体系

吸波材料 · 屏蔽暗室 · 电磁测试 一体化解决方案提供商

MICROWAVE ABSORBERS / SHIELDED ANECHOIC CHAMBER / EMC & RCS TESTING

中国科学院大连化物所科技成果产业化典范企业
国家级高新技术企业 · 总投资额**超亿元**
产品远销**欧洲、美洲、亚洲**等二十多个国家和地区

1998	4000+	20+	3家	5项
创立年份 深耕电磁防护二十余年	微波屏蔽暗室 累计设计建造交付（座）	出口国家和地区 欧洲 · 美洲 · 亚洲	下辖企业 材料 · 装备 · 系统集成	体系认证 军标与国际化标准并行

公司介绍 ABOUT DONGSHIN

大连东信微波是中国科学院大连化学物理研究所科技成果产业化转型的**典范企业**，创立于 **1998** 年，为**国家级高新技术企业**。公司下辖**大连东信微波吸收材料有限公司、大连东信技术有限公司、大连满天星电磁科技有限公司**三家企业，总投资额**超亿元**，形成从吸波材料研制、暗室工程建造到电磁测试系统集成的完整产业链。

公司已取得 **GJB9001C-2017** 武器装备质量管理体系认证证书，以及 **ISO 9001** 质量管理体系、**ISO 14001** 环境管理体系、**OHSAS 18001** 职业健康安全管理体系和**知识产权管理体系**认证资质，累计建造微波屏蔽暗室**逾 4000 座**，长期为用户提供电磁干扰问题的一站式解决方案。

国家级高新技术企业 · 中科院大连化物所产业化企业 · GJB9001C-2017 军标认证 · 电磁干扰一站式解决方案


大型微波屏蔽暗室建造现场 · 高性能角锥吸波材料整体铺设

业务范围 BUSINESS SCOPE

01 **天线及 RCS 紧缩场测试系统**
研发、生产、销售及集成服务

02 **北斗抗干扰测试系统**
研发、生产、销售及集成服务

03 **天线罩及材料反射率测试系统**
系统设计、生产及安装调试

04 **雷达屏蔽暗室工程**
暗室设计、生产及安装施工

05 **吸波材料 RCS 测试**
材料电磁性能与反射率检测

06 **电磁仿真与电磁参数测试**
电磁仿真建模、参数提取服务

产品与材料 PRODUCTS & MATERIALS

多类型吸波材料 MICROWAVE ABSORBING MATERIALS — 7 类材料体系 · 覆盖毫米波至低频段

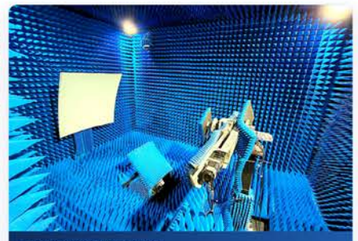
聚氨酯角锥吸波材料 · 高洁净度覆膜和硬质角锥材料 · 结构改进型大型角锥吸波材料 · 超高性能吸波材料 · 低互调吸波材料 · 高功率吸波材料 · 毫米波吸波材料

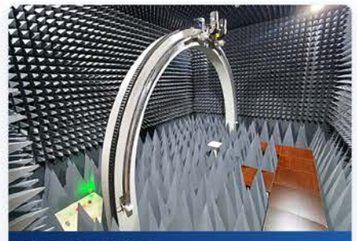
多频谱隐身材料 MULTI-SPECTRUM STEALTH MATERIALS — 3 类隐身材料形态

仿生草隐身材料 · 吸波涂料 · 吸波贴片

工程案例 PROJECT CASES


微波屏蔽暗室整体工程
屏蔽壳体 · 屏蔽门 · 支撑结构集成安装


高性能角锥吸波材料铺设
宽频低反射测试环境 · 整体内衬施工


紧缩场 / RCS 测试暗室
半圆扫描轨道 · 精密转台与测试系统

服务客户 OUR CUSTOMERS

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高等院校
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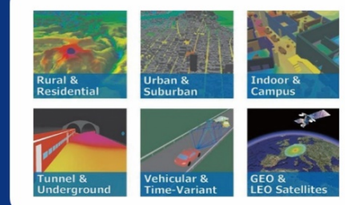
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通讯器材厂家 · 科研院所 · 各类企事业单位
为用户提供**电磁干扰（EMI）整体解决方案**，覆盖暗室设计建造、吸波材料选型、测试系统集成与售后服务全周期。

大连东信微波吸收材料有限公司
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联系人 CONTACT 杨超 · 销售工程师
手机 MOBILE 15842451713 / 15040553345
电话 TEL 86-411-66007888
传真 FAX 86-411-86313121
邮箱 E-MAIL yangchao@isorb.cn
网址 WEB www.isorb.cn



公司介绍

成立于2014年8月，荣获国家级高新技术企业及上海市「专精特新」中小企业称号。我们的产品广泛服务于通信研发厂商、芯片制造商及第三方检测机构。在5G+、6G及数字智能化浪潮中，博测通信致力于协助客户实现数字化转型，是您最可靠的技术合作伙伴。



HyperRT射线追踪仿真系统
定义无线模拟新高度



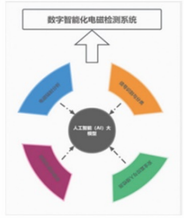
新能源测试系统度
覆盖国/欧/美/日标多标准支持



超宽频模拟仿真组织液
打破垄断，国内首创



VIAVI网络及基站测试系统
基站测试的黄金标准



数字智能化测试系统
引领行业的自动化测试标准



LoRa测试系统
专业的 LoRaWAN Alliance认可测试方案

Ray Tracing应用场景



汽车与V2X通信



5G/6G前沿研发



机器人与智能工厂



无人机与低空经济



卫星与非地面网络(NTN)



通感一体与精准定位

博测通信科技（上海）有限公司
地址：上海市杨浦区长阳路1687号1203室
网址：www.boce-test.com

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固话：021-55896193
邮箱：info@boce-test.com

公众号

西安彼睿电子科技有限公司
InterWiser Electronic Technology Co., Ltd.

专门致力于数模混合系统解决方案配套服务商

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数模混合系统解决方案的领导者

高新技术企业 · 专精特新企业
ISO9001 · 陕西省瞪羚企业

RFSOC 数模混合系统整体解决方案

太赫兹通信 | 卫星地面检测| 雷达系统 | 量子计算| 测试测量| 商业航天| 电子对抗

关于我们 About Us

西安彼睿电子科技有限公司（InterWiser）成立于 2015 年，是国家高新技术企业、陕西省 “专精特新” 企业，通过 ISO9001 质量体系认证，获评 2023 年陕西省瞪羚企业；汇聚资深数字信号处理与模拟射频工程师团队，核心研发人员拥有 10 年以上项目经验，专注数模混合系统解决方案。

公司掌握 RFSOC 核心技术，具备从硬件模块、逻辑开发、数据流控、射频集成到上位机软件的系统级研发能力，并提供数字基带模块（FPGA+DSP+AD/DA）配套与射频前端整机集成服务。产品广泛应用于太赫兹通信、卫星地面监测、量子计算、雷达系统、测试测量等领域。



核心技术 Core Tech

RFSOC 系列信号收发采集处理模块与传统分离式器件方案相比，具备架构一致性与高性能：通道数 8/16 个、信号带宽 DC~2GHz 可调、射频覆盖 DC~18GHz、ADC 采样率 14bit 5GSPS、DAC 采样率 14bit 10GSPS，在成本、功耗与体积上大幅优于传统方案。单板 Real 模式同步精度达 ±2ps，超大规模阵列系统同步精度达 200ps，是实现千节点级同步的商业化团队。

DC~18GHz
超宽带射频覆盖
雷达/通信/测控

10GSPS
14bit DAC 采样率
5GSPS ADC 直采

±2ps
单板同步精度
阵列级 200ps

100G
QSFP 光口
高速数据传输

40+
累计开发 RFSOC
模块型号

20+
适配量子测控等
应用场景

主要产品 Products



2发8收RFSOC机载相控阵雷达



16-ChannelRFSOC 49DR同步信号采集发生平台



16GB HBM信号汇聚模块



RFSOC-GPU一体化高带宽射频智能处理模块



RF24-VU13P HyperFusion 超聚射频处理板卡



4-chanel RFSOC+VU9P数字信号采集处理模块



RF-1553航电级射频直采与1553B综合处理板

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射频直采直接可以拓宽到18GHz

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官网：www.interwiser.com
抖音号：25173429388

FESight 深圳汇成智仪科技有限公司

公司介绍 About Fesight

FESIGHT 专注射频测量仪器扩频的核心技术研发与创新，致力于为全球客户提供高性能仪器扩频解决方案。

FESIGHT specializes in the R&D and innovation of core technologies for frequency extension of RF measurement instruments, dedicated to providing high- performance instrument frequency- extension



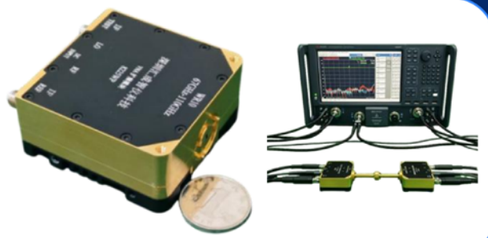
产品系列 Product Series

8225 系列小型化波导接口矢量网络分析仪扩展模组

8225 Series Miniaturized Waveguide VNA Frequency Extenders

频率范围
Frequency Range

50GHz-500GHz



8026 系列小型化同轴接口连续频率扫描扩展模组

8026 Series Miniaturized Coaxial VNA Frequency Extenders

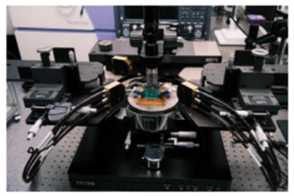
频率范围
Frequency Range

9kHz-220GHz





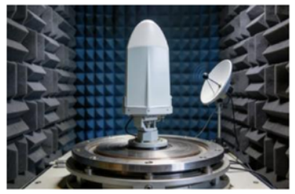
应用场景 Application Scenarios



芯片测试
On-Wafer Test



光波分析仪
Optical Wave Analyzer



天线测试
Antenna Test

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《全球定位系统》

GNSS Word of China

About Journal:

The ***GNSS Word of China*** was started publication in 1976, which is a professional technical periodical (bimonthly) published at home and abroad by the director of China Electronics Technology Group Corporation and sponsored by China Research Institute of Radiowave Propagation. The aim of running the journal is committed to comprehensively displaying the latest research achievements and technological progress of satellite navigation systems such as GPS, GLONASS, Galileo and Beidou in the fields of navigation, positioning, mapping, timing, remote sensing and other fields, so as to promote academic exchanges and technical development in the field of satellite navigation. Published articles on innovative theoretical research results, practical technical achievement reports, comments on important technical and technical applications.

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8.PNT system and multi-source fusion navigation technology;
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10.Beidou system engineering construction and testing and evaluation technology;
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电波科学学报

Chinese Journal of Radio Science

Support Media for ISAPE Series

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7. theory and technology of electromagnetic spectrum management;
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Call-for-Paper

Special Section on Selected Expanded Articles from ISAPE 2026

Submission deadline: December 31, 2026

Aims & Scope: This special section aims to collect articles of high scientific quality and lasting archival value that delve into selected papers presented at the 15th International Symposium on Antennas, Propagation and EM Theory (ISAPE), held in Haikou, China, from October 22-25, 2026. Submitted articles shall be an extension of those originally accepted and presented at ISAPE and must significantly expand the scope of the original article in terms of overall technical content and research results. A similarity of less than 30% is required. All manuscripts will undergo a peer review process as for regular IEEE OJAP articles.

Potential topics Potential topics include but are not limited to the following:

- Antennas, Antenna Applications and Emerging Technologies
- Propagation & Related Topics
- Electromagnetic Theory
- Computational Electromagnetics
- Electromagnetic Environment Effects (E3), Electromagnetic Compatibility (EMC) & Protection
- Wireless communication and related topics

Keywords: Antennas; Propagation; Electromagnetic Theory; Computational Electromagnetics; Wireless communication

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The review process of each Special Section paper starts upon submission and accepted papers immediately appear on IEEE Xplore, forming an expanding collection of reference material on emerging topics in Antennas and Propagation.

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