Final Program

2026 Asia-Pacific International Symposium and Exhibitionon Electromagnetic Compatibility (APEMC 2026)

May 4-7,2026

Kuala Lumpur. Malaysia

IEEE EMCS SINGAPORE CHAPTER

APEMC

EMC SOCIETY

IEEE RFID Malaysia Chapter


WHERE
MODERN SKYLINES &
CULTURAL HERITAGE
MEET
MALAYSIA
KUALA LUMPUR
A vibrant global city where innovation meets diversity

WHERE CULTURES & TRADITIONS CONVERGE

Kuala Lumpur is a city shaped by diversity where traditions, beliefs and ways of life coexist in harmony

From sacred landmarks to vibrant daily experiences the city reflects a rich cultural landscape that continues to inspire creativity and connection

Surrounded by lush tropical landscapes
Kuala Lumpur offers a unique balance
between nature and modern living

From green parks to urban forests
the city provides a refreshing environment
that inspires exploration, creativity, and connection

WHERE

NATURE & URBAN LIFE

COEXIST

Table of Contents

Organizers and Technical Co-Sponsors

Organized by

IEEE EMCS SINGAPORE CHAPTER

APEMC

Technical Sponsors

EMC SOCIETY®

IEEE RFID Malaysia Chapter

Sponsors

The generous sponsorship by the following organizations is greatly appreciated:

HAEFELY
Current and voltage – our passion

ROHDE&SCHWARZ
Make ideas real

EMC PARTNER

YETEC诺益

AMETEK®
COMPLIANCE TEST SOLUTIONS

JSD 日成 JS DENKI

SPONSORSHIP ACKNOWLEDGEMENT

The generous sponsorship by the following organizations is greatly appreciated:

Lanyard Sponsor

ETS·LINDGREN®
An ESCO Technologies Company

Media Sponsor

EMC SOCIETY®

安全与电磁兼容
SAFETY & EMC

Young Professional Event Sponsor

Doorplf

CISCO

MTT-S
IEEE MICROWAVE THEORY & TECHNOLOGY SOCIETY

Message from Symposium General Chairs

On behalf of the Organizing Committee, it is our great honor and sincere pleasure to welcome you to the 2026 Asia-Pacific International Symposium and Exhibition on Electromagnetic Compatibility (APEMC 2026), to be held on 4 – 7 May 2026 at the Kuala Lumpur Convention Centre (KLCC), Kuala Lumpur, Malaysia.

APEMC 2026 marks a truly special milestone in the history of the symposium, as it will be hosted in Malaysia for the very first time. Organized by a dedicated joint team from Singapore and Malaysia, this event continues the proud legacy of the APEMC series while further strengthening regional and international collaboration within the global EMC community, particularly reflecting the close professional ties and shared vision between the two neighboring countries.

Since its inception in Singapore in 2008, and with the technical co-sponsorship from the IEEE Electromagnetic Compatibility Society, APEMC has grown into one of the three flagship EMC conferences worldwide, alongside the IEEE International Symposium on EMC+SIPI and EMC Europe. Over the years, it has become a highly respected international platform where researchers, engineers, practitioners, and regulators come together to exchange knowledge and ideas, present innovations and new discoveries, and advance the frontiers of electromagnetic compatibility, signal and power integrity, electromagnetic environment, and related emerging technologies.

The 2026 edition of APEMC comes at a particularly exciting and challenging time. Rapid advances in artificial intelligence hardware, electric vehicles, high-speed digital systems, advanced packaging, and ubiquitous wireless connectivity are introducing unprecedented EMC challenges that demand fresh perspectives and innovative solutions. APEMC 2026 is designed to provide an open, inclusive, and forward-looking forum for addressing these challenges through keynotes, regular and special technical sessions, workshops, tutorials, young professional forum, industrial demonstration, and lab tour.

We are delighted to note the strong enthusiasm and technical engagement for this symposium, with over 280 submitted technical papers covering 16 regular technical topics and 11 special sessions, complemented by a rich program of workshops and tutorials. In addition, the exhibition features more than 20 exhibitors and sponsors, providing valuable opportunities for participants to connect with industry, discover the latest technological developments, and explore practical solutions to real-world EMC challenges. To celebrate excellence and innovation, outstanding technical contributions and achievements will be recognized through several prestigious honors, including the Best Symposium Paper Award, Best Student Paper Award, and Outstanding Young Scientist Award.

Beyond the technical program, Kuala Lumpur offers a vibrant and inspiring setting for APEMC 2026. As a dynamic hub in Southeast Asia, the city blends modern infrastructure with rich cultural heritage, renowned cuisine, and excellent accessibility, promising our delegates a memorable and rewarding experience both professionally and socially.

We warmly welcome you, whether as an author, presenter, exhibitor, sponsor, or attendee, to join us in exchanging ideas, renewing friendships, expanding professional networks, and collectively shaping the future of electromagnetic compatibility.

We look forward to seeing you at APEMC 2026 in Kuala Lumpur!

Selamat Datang ke Malaysia.

General Co-Chairs

Kye Yak See

Richard Xian-Ke Gao

Eng Hock Lim

Message from Technical Program Committee Chairs

On behalf of the Technical Program Committee, we are delighted to welcome you to the 2026 Asia-Pacific International Symposium and Exhibition on Electromagnetic Compatibility (APEMC 2026) in Kuala Lumpur, Malaysia, from May 4 to 7, 2026. APEMC has long been recognized as a premier platform for researchers, engineers, and practitioners in the field of electromagnetic compatibility (EMC) to exchange ideas, share recent advancements, and foster international collaboration. Continuing this tradition, APEMC 2026 aims to bring together participants from academia, industry, and government across the globe, with a strong emphasis on the Asia-Pacific region.

We are pleased to present a comprehensive and high-quality technical program, made possible through the dedicated efforts of authors, reviewers, Technical Program Committee members, and session organizers. The program features a wide range of technical activities, including oral and poster presentations, special sessions, workshops, tutorials, keynote speeches, and panel discussions, covering both fundamental research and emerging applications in EMC. The symposium emphasizes not only academic excellence but also the strong connection between research and practical engineering applications. The accepted papers reflect the latest developments in EMC, addressing challenges in areas such as EMC measurement and modeling, interference control, signal and power integrity, power electronic systems, electromagnetic environments, and emerging technologies.

We have received a strong number of high-quality submissions, with 289 papers including regular, special-session, and abstract-reviewed contributions from more than 20 countries and regions worldwide. We warmly congratulate all the finalists, whose papers are marked in the program. Three Best Paper Awards and three Best Student Paper Awards will be finally presented during the conference banquet dinner, together with other awards.

We would like to take this opportunity to express our sincere appreciation to all members of the Technical Program Committee, reviewers, session organizers, and volunteers for their invaluable contributions. Their dedication and professionalism have been essential in shaping a strong and diverse technical program.

Finally, we warmly welcome all participants to APEMC 2026. We hope that you will find the conference both technically rewarding and professionally enriching, and that it provides a valuable platform for knowledge exchange, networking, and collaboration.

We look forward to meeting you in Kuala Lumpur and wish you a productive and enjoyable experience at APEMC 2026.

Sincerely,
Technical Program Committee Chairs

Enxiao Liu

Lijun Jiang

Zhenyu Zhao

Symposium Organizing Committee

APEMC President
Er-Ping Li
Zhejiang University

General Chair
Kye Yak See
Nanyang Technological University

General Co-Chair
Richard Xian-Ke Gao
A*STAR

General Co-Chair
Eng Hock Lim
Universiti Tunku Abdul Rahman

TPC Chair
En-Xiao Liu
A*STAR

TPC Chair
Lijun Jiang
Missouri University of Science and Technology

TPC Chair
Zhenyu Zhao
National University of Singapore

Technical Paper Chair
Xingchang Wei
Zhejiang University

Special Session Chair
Qi Wu
Beihang University

Special Session Chair
Yuichi Hayashi
Nara Institute of Science and Technology

Workshop and Tutorial Chair
Theng Huat Gan
National University of Singapore

Exhibition and Sponsorship Chairs
Junhong Deng
TÜV SÜD PSB

Exhibition and Sponsorship Chairs
Hasliza A Rahim
Universiti Malaysia Perlis

Award Chair
Er-Ping Li
Zhejiang University

Finance & Publicity Chair
Ziliang Liu
IEEE Singapore EMC Chapter

Women in Engineering Chairs
Dan Shi
University of Posts and Telecommunications

Women in Engineering Chairs
Zhijiao Chen
University of Posts and Telecommunications

Logistics and Demonstration Chair
Ying Loong Lee
Universiti Tunku Abdul Rahman

Young Professional Chair
Hanzhi Ma
Zhejiang University

Organizing Committee
Taochen Gu
National University of Singapore

Organizing Committee
Huamin Jie
Nanyang Technological University

Secretary
Jasmine Leong, Joy Leong
J. Jayes Pte Ltd

Symposium Technical Program Committee

The Technical Program Committee (TPC) is led by the TPC Chairs **En-Xiao Liu, Lijun Jiang and Zhenyu Zhao.** It consists of the following members.

Sharul Kamal Abdul Rahim
John Acken
Guillaume Andrieu
Takahiro Aoyagi
Catur Apriono
Kaddour Arzag
Ali Asghar
Yoshihiro Baba
Mohd Hafiz Baharuddin
Huaguang Bao
Adrijan Baric
Daryl Beetner
Sonia Ben Dhia
Xiao Cai
Carlo Carobbi
Yongqi Chang
Fauziahanim Che Seman
Guangzhi Chen
Henglin Chen
Kuiyu Chen
Nan-Wei Chen
Wen-Chang Chen
Yi-Ling Chen
Yifei Chen
Xin Cheng
Yu-Hsiang Cheng
Cheng-Nan Chiu
Dong-Hoon Choi
Chiu-Chih Chou
Xiuqin Chu
Boon Kuan Chung
Daniel Commerou
Qiang Cui
Alessandro Giuseppe D'Aloia
Samsul Haimi Dahlan
Francesco de Paulis
Junhong Deng
Bernd Deutschmann
Minghai Dong
James Drewniak
Hongyu Du
Alistair Duffy
Fei Fan
Haotian Fan
Sven Fisahn
Daisuke Fujimoto
Theng Huat Gan
Jheng-Yong Gao
Richard Xian-Ke Gao
Si-Ping Gao
Tianyu Gao
Oussama Gassab
Chun Geng
Cody Goins
Flavia Grassi
Taochen Gu
Dong-Guk Han
Zhang Han
Makoto Hara
Tom Hartman
Yuichi Hayashi
Junping He
Xujie He
Yuan-Chang Hou
Heng-Tung Hsu
Jimmy Hsu
Yanmo Hu
Chien-Chang Huang
Shaoying Huang
Chulsoon Hwang
Udeshwari Jamwal
Panuwat Janpugdee
Yuhang Ji
Hongchuan Jia
Li Jiang
Lijun Jiang
Yang Jiang
Huamin Jie
Li Jipeng
Shugo Kaji
Kamilia Kamardin
Yoshiki Kayano
Deng Kewei
Hiroshi Kikuchi
Jingook Kim
Joungho Kim
Taiki Kitazawa
Patrick Koch
Sebastian Koj
Markus Kuhn
Fabian Kung
Yanwen Lai
Sébastien Lalléchère
Tarik Abd Latef
Euibum Lee
Seonghi Lee
Ying Loong Lee
Prapan Leekul
Frank Leferink
Chong Li
Da Li
Er-Ping Li
Hao Li
Hui Li
Kangrong Li
Siyuan Li
Tian-Wu Li

Xiaochun Li
Yan Li
Wen-Jiao Liao
Eng Hock Lim
Ding-Bing Lin
Hsin-Piao Lin
Alex Liu
En-Xiao Liu
Yitao Liu
Zi-Liang Liu
Gaopeng Lu
Guangxiao Luo
Hanzhi Ma
Yiming Ma
Mathias Magdowski
Mohd Fais Mansor
Tohlu Matsushima
Cui Meng
Norbahiah Misran
Franco Moglie
Niek Moonen
Vladimir Mordachev
Nour Murad
Simone Negri
Xavier Ngu
Liang-Yu Ou Yang
Umberto Paoletti
Hyunwook Park
Xuejun Pei
Mengyue Peng
Lionel Pichon
David Pommerenke
Wenjun Qi
Boyang Qian
William Radasky
Antonella Ragusa
Blaise Ravelo
Qiang Ren
Nabilah Ripin
Mikihisa Saito
Husni Hani Jameela Sapingi
Syarfa Sapuan
Kye Yak See
Wei Sha
Dan Shi
Shuzhi Song
Giordano Spadacini
Ilman Sulaeman
Song Sun
Xinglin Sun
Shurun Tan
Yohei Tanaka
Zhen Tao
Akiyoshi Tatematsu
Yoshitaka Toyota
Chao-Hsiung Tseng
Fayu Wan
Lu Wan
Changdong Wang
Chun-Long Wang
Fu-Kang Wang
Jianqing Wang
Nannan Wang
Xing-Chang Wei
Chung-Tse Michael Wu
Jianfei Wu
Qi Wu
Xinglong Wu
Wenjun Xia
Liping Yan
Cheng Yang
Jingli Yang
Mingke Yang
Yefeng Yang
Yusuke Yano
Qiubo Ye
Da Yi
Yang Yong
Jong-Gwan Yook
Masahiro Yoshida
Qingyang Yu
Pearawut Yutthagowith
Qingsheng Zeng
Li Zhai
Dehua Zhang
Ling Zhang
Ruihao Zhang
Sen Zhang
Wei Zhang
Wei-dong Zhang
Dongsheng Zhao
Huapeng Zhao
Luyu Zhao
Wen-Sheng Zhao
Xiang Zhao
Yijing Zhao
Yuan Zhao
Zhenyu Zhao
Jianyi Zhou
Shixiang Zhou
Xiang Zhou
Zhongyuan Zhou
Haoran Zhu
Minning Zhu
Yuying Zhu
Cheng-Yi Zhuang

Special Session Organizers

No.	Special Session	Organizers
01	Advanced EMC and Security Strategies for Electric Power Applications	Huamin Jie, Changdong Wang, Yongqi Chang, Jingli Yang
02	EMC and Reliability Evaluation for Advanced Communication Systems	Taochen Gu, Boyang Qian, Kewei Deng, Zhenyu Zhao
03	From Near-Field Measurement to EMI Modelling	Xingchang Wei, Richard Xian-Ke Gao
04	Recent advances in electromagnetic measurement-computation fusion technologies	Huapeng Zhao, Mohd Hafiz Baharuddin
05	Electromagnetic Information Security for Modern Hardware	Yuichi Hayashi, Jong-Gwan Yook
06	Research and Development of Differential RF/Microwave Devices and Sensor Systems	Qingguo Du, Yan Li
07	AI-Assisted Power Integrity Design and Optimization	James Drewniak, Ling Zhang
08	Periodic Electromagnetic Structures and EMC Applications	Da Li, Da Yi, Pei Xiao
09	Advanced EMC Measurement in Complex EM Environments	Wenjun Qi, Qiubo Ye
10	Reverberation chambers	Makoto Hara, Francesco Pio Cecca
11	Sensor Electromagnetic Compatibility and System Communication	Shuzhi Song, Yifei Chen, Siyuan Li, Yiming Ma

[Special Session (SS)] — APEMC@20

Er-Ping Li's Two-decade Journey with APEMC

- in pursuit of harmony, compatibility, and excellence

Date/Time: 6 May (Wednesday), 1:30pm-3:30pm & 3:50pm-5:50pm
Venue: Meeting Room 409

Synopsys:

APEMC has been steadily shaping EMC evolution in Asia-Pacific and beyond for the past two decades. This special session revisits the 20-year journey of Prof. Er-Ping Li with APEMC, as well as the collective contributions by organizing committees of each version of APEMC. In this session, Prof. Li and colleagues will trace back to and reflect on APEMC's vital roles in advancing EMC research, standards, and industry practices across the region and beyond. The speakers in this session will also strive to bridge legacy and future with historical reflection, technical insight, and deep foresight.

All are welcome to join this special session!

General Information

SYMPOSIUM VENUE

Kuala Lumpur Convention Centre (KLCC)

Address: Kuala Lumpur Convention Centre, Kuala Lumpur, 50088 Kuala Lumpur, Wilayah Persekutuan Kuala Lumpur, Malaysia

https://www.klccconventioncentre.com/

How to get to Kuala Lumpur Convention Centre

Kuala Lumpur International Airport (KLIA) is located approximately 59 km from the Kuala Lumpur Convention Centre (KLCC). Travel time may vary depending on traffic conditions.

Estimated Travel Time:

- Train: about 1 hour 15 minutes
- Taxi / Ride-Hailing Services: about 45 – 60 minutes
- Bus: about 1 hour 15 minutes

Train (Recommended)

The train is the most reliable and efficient option.

1. Take the **KLIA Express** to **KL Sentral** (approximately 28 minutes)
2. From **KL Sentral**, you may choose one of the following:
   - Transfer to the **LRT Kelana Jaya Line** and alight at **KLCC Station**, or
   - Take a taxi or ride-hailing service directly to KLCC (approximately 10–15 minutes, depending on traffic)

More information: **https://www.kliaekspres.com/**

Bus

A budget-friendly option.

- Take an express coach from KLIA to KLCC
- Travel time: approximately 1 hour 15 minutes

More information: **https://www.redbus.my/travels/airport-coach**

Taxi / Ride-Hailing

A convenient door-to-door option.

- Travel time: approximately 45–60 minutes (depending on traffic)
- Taxis are available at airport taxi counters.
- Ride-hailing apps available: Grab, Dacsee, MyCar, EzCab, Faszz, MULA

USEFUL INFORMATION

Registration Desk & Badges

The **APEMC 2026 Registration Counters** are located at **Level 3, Centre Core Registration Counter**.

Operating Hours:

- May 4 (Monday): 7:30am – 7:00pm
- May 5 (Tuesday): 8:00am – 4:00pm
- May 6 (Wednesday): 8:00am – 4:00pm
- May 7 (Thursday): 8:00am – 4:00pm (Please proceed to **Meeting Room 307** for registration on Thursday)

Please present your **registration confirmation** or a **photo ID** for badge collection. **Registration is required only once**, and badges issued are valid for the entire conference.

Badges must be worn at all times to gain access to conference sessions and social events.

The **Secretariat Room** serves as the main **Information Point** for general enquiries, lost and found items, and on-site assistance.

Wireless Network Access

- **Wi-Fi Name:** ConventionCtrFreeWIFI
- **Password:** Not required

Follow the on-screen instructions in your browser to connect.

Meals & Refreshments

Morning and afternoon tea breaks, as well as daily lunch, will be provided for all registered delegates from **Monday, May 4** to **Thursday, May 7 2026**.

- **Coffee breaks:** Level 3, Exhibition Hall @ Conference Hall 1
- **Lunch:** Level 3, Lunch Hall @ Conference Hall 2

The **Conference Banquet** will take place on **Wednesday, May 6, 2026** at the **Grand Hyatt Kuala Lumpur, Grand Salon**. This is a **ticketed event** and is included for **Full Conference registrants only**. Additional banquet tickets may be purchased online.

Weather & Attire

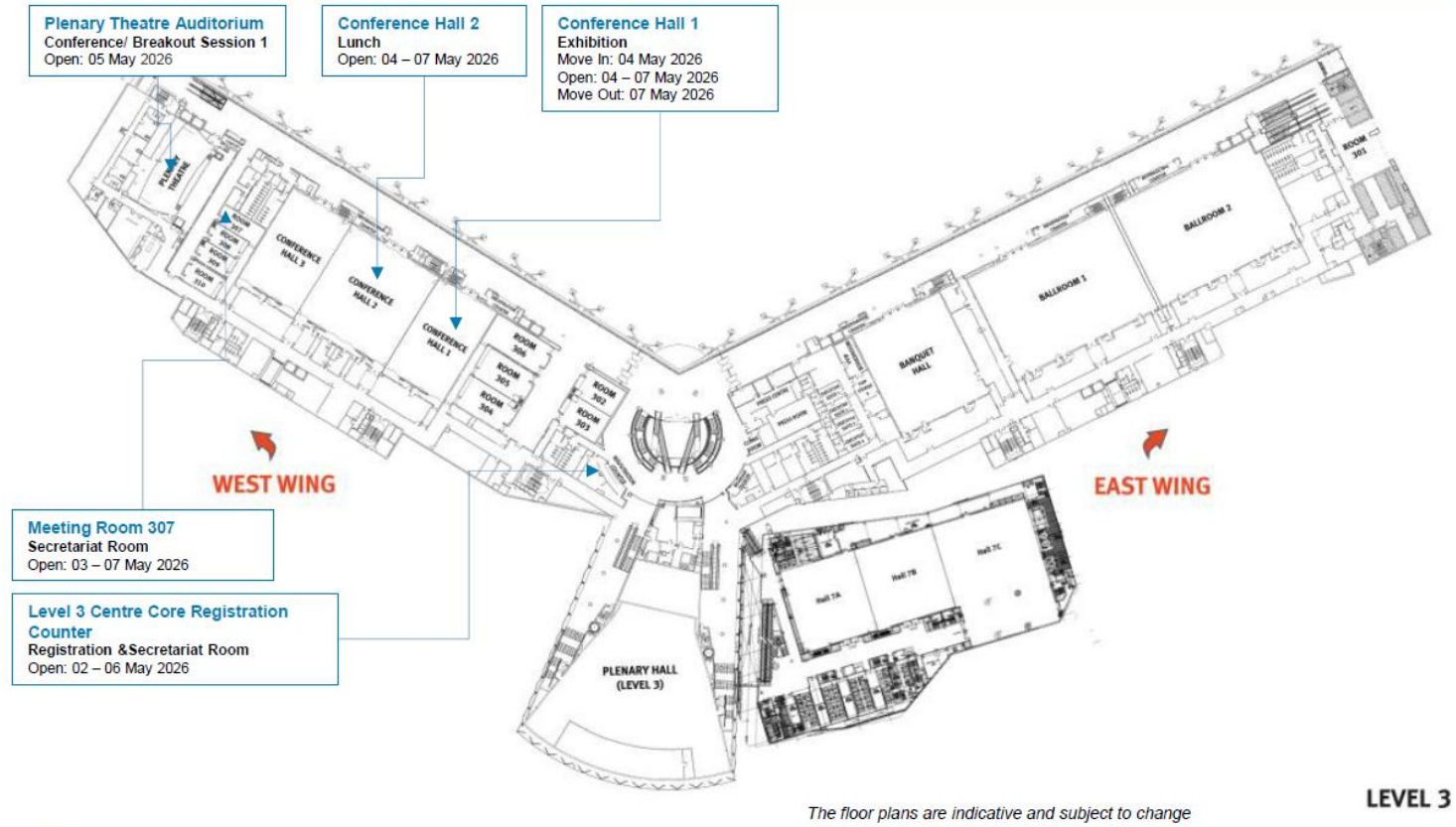
Early May in Kuala Lumpur is generally warm and humid, with temperatures ranging from **25°C to 34°C**. Occasional tropical showers or thunderstorms may occur, particularly in the late afternoon or evening. Participants are advised to carry a small umbrella or light rain jacket.

Business casual attire is recommended for conference sessions. Lightweight clothing and comfortable footwear are encouraged, and a light jacket or shawl may be useful in air-conditioned venues.

Emergency Contacts

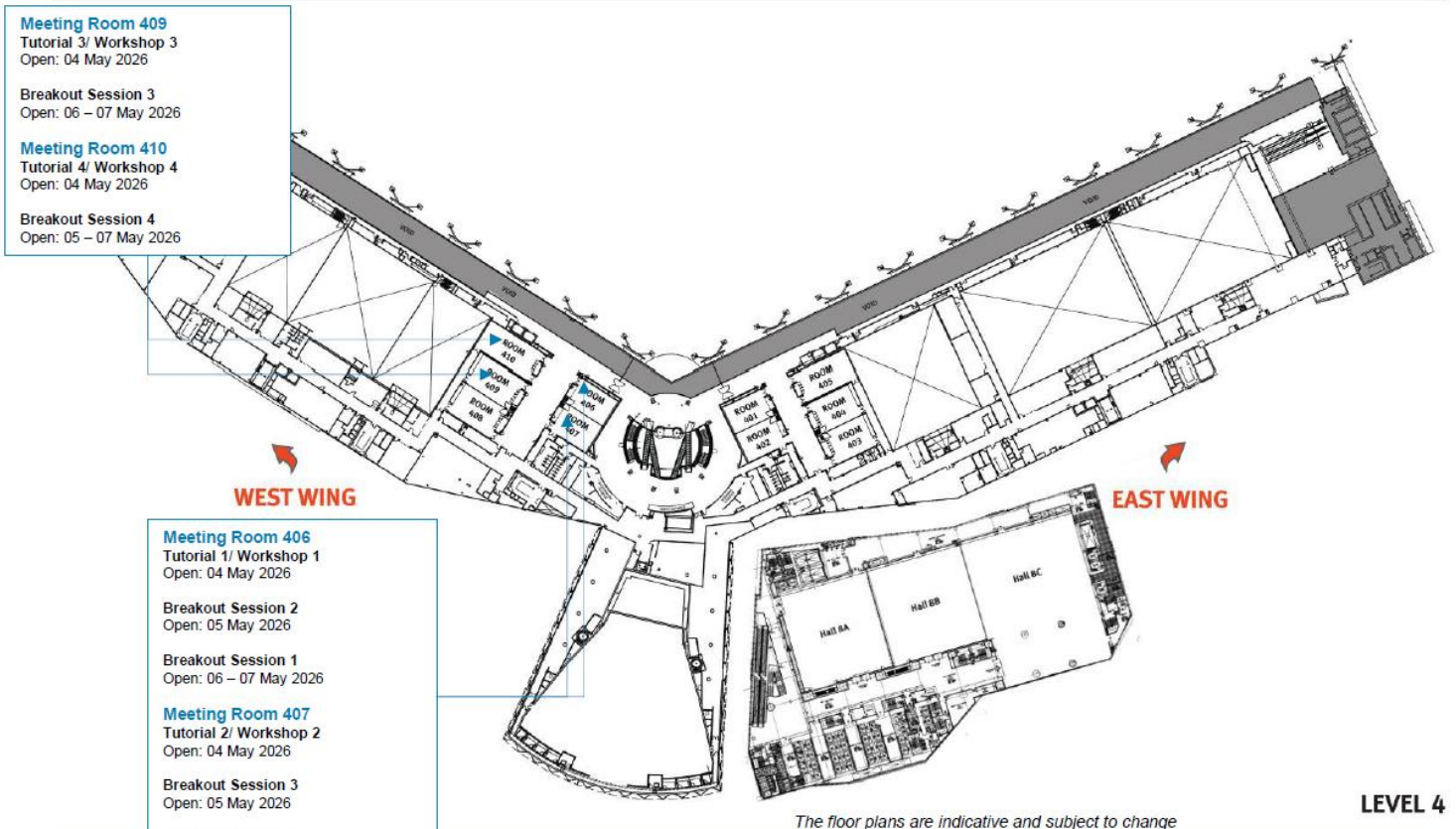
In case of emergency, please dial **999** for **Police, Ambulance, or Fire services**.

Floor Plan



The floor plans are indicative and subject to change

LEVEL 3



The floor plans are indicative and subject to change

LEVEL 4

Floor Plan dated 130426

Instructions for Presenters

To assist you in preparing your conference presentations, we are pleased to provide optional templates for both oral and poster presentations.

- An oral presentation template is provided as a reference for slide preparation and organization.

- A poster presentation template suggests a recommended layout for posters.

Please kindly note that the use of these templates is entirely optional and not compulsary. You are free to modify the template or use your own template as you see fit.

For oral presentations, each paper is allocated:

- 15 minutes for presentation, followed by
- 5 minutes for Q&A

Technical Program at a Glance

Color codes: *Workshops (WS)* *Tutorials (TT)* *Special Sessions (SS)* *Technical Sessions (TC)* *Keynotes* *Poster Presentation Session* *Best Student Paper Presentation Session*

Date	Time	Time Blocks	Meeting Room 406 Level 4	Meeting Room 407 Level 4	Meeting Room 410 Level 4	Meeting Room 409 Level 4	
			Welcome Refreshment @ Foyer, Level 3 West Wing				
May 04 (Mon)	08:20am-10:20am	AM-1	[WS 09] Reverberation Chamber	[WS 11] HEMP & IEMI	[WS/TT 03] EMI Reduction	[WS/TT 01] Amplifier EMC	
	10:20am-10:40am		*Tea Break @ Foyer, Level 3 West Wing*				
	10:40am-12:40pm	AM-2	[WS 09] Reverberation Chamber	[WS 12] Automotive EMC	[WS/TT 15] WPT	[WS/TT 14] Interposer EMC	
	12:40pm-01:40pm		*Lunch @ Conference Hall 2, Level 3*				
	01:40pm-03:40pm	PM-1	[WS 16] / [WS/TT 13] Synopsys EMC	[WS 06] CISPR 32	[WS 05] UAV EMS	[WS 02] RF/Microwave Sensor	
	03:40pm-04:00pm		*Tea Break @ Foyer, Level 3 West Wing*				
	04:00pm-06:00pm	PM-2	[WS/TT 13] Chamber EMC	[WS 08] Antenna EMC	[WS 04] Fundamental EMC	[WS/TT 10] CST for EMC	
	06:30pm-09:00pm		**Welcome Reception** @ *Foyer, Level 3 West Wing*				
Date	**Time**		**Plenary Theatre Auditorium, Level 3**				**Exhibition @ Conference Hall 1**
			Welcome Refreshment @ Foyer, Level 3 West Wing				
May 05 (Tue)	08:50am-09:30am	AM-1	Grand Opening Ceremony				
	09:30am-10:15am		[Keynote] Beyond Low-Pass: The Evolution of Guided-Wave Technologies Toward All-Pass Integrated Circuits and Systems Ke WU, Professor, Polytechnique Montréal (University of Montreal), IEEE Fellow				
	10:15am-10:35am		*Tea Break @ Exhibition Hall, Conference Hall 1, Level 3*				
	10:35am-11:20am	AM-2	[Keynote] The Importance of the Research in Advanced Electromagnetics for 5G and 6G Wireless Communication Systems: An Industry View Renato LOMBARDI, Director, Milan Research Center, Huawei Fellow				
	11:20am-12:05pm		[Keynote] Wearable Device's EMC Jianqing WANG, Professor, Nagoya Institute of Technology, IEEE Fellow				
			Meeting Room 406 Level 4	**Meeting Room 407 Level 4**	**Meeting Room 410 Level 4**	**Plenary Theatre Auditorium Level 3**	**Exhibition @ Conference Hall 1**
	12:05pm-01:30pm		Lunch @ Conference Hall 2, Level 3		Std-299 Shielding Session (12:25pm-01:10pm)	EMC-S Open Session (12:25pm-01:10pm)	
	01:30pm-03:30pm	PM-1	SS-05 EM Security	TC-12 Bio-EMC	SS-03 Near-Field EMC	TC-01 EMC Standards / SS-10	
	03:30pm-03:50pm		*Tea Break @ Exhibition Hall, Conference Hall 1, Level 3*				
	03:50pm-05:50pm	PM-2	Young Professional SS	TC-12 Bio-EMC	SS-03 Near-Field EMC	SS-10 Reverberation Chambers	
	06:30pm-09:00pm		**APEMC Young Professional Social Event**				

Technical Program at a Glance

Color codes: *Workshops (WS)* *Tutorials (TT)* *Special Sessions (SS)* *Technical Sessions (TC)* *Keynotes* *Poster Presentation Session* *Best Student Paper Presentation Session*

Date	Time		Meeting Room 406 Level 4	Meeting Room 407 Level 4	Meeting Room 410 Level 4	Meeting Room 409 Level 4	Exhibition @ Conference Hall 1
May 06 (Wed)	08:40am-10:20am	AM-1	SS-07 AI-Assisted PI	SS-02 Communication EMC	*TC-09 IC EMC*	*TC-02 EMC Measurement*	
	10:20am-10:40am		*Tea Break @ Exhibition Hall, Conference Hall 1, Level 3*				
	10:40am-12:20pm	AM-2	SS-08 Periodic EM Structures	TC-08 Low-Frequency EMC	TC-09 IC EMC	TC-02 EMC Measurement	Best Student Paper Presentation Session @ Foyer
	12:20pm-01:30pm		*Lunch @ Conference Hall 2, Level 3*				
	01:30pm-03:30pm	PM-1	TC-04 HPEM / TC-05 EMC Protection	TC-06 Transport EMC	TC-11 CEM	APEMC @ 20	Poster Presentation Session 1 @ Foyer
	03:30pm-03:50pm		*Tea Break @ Exhibition Hall, Conference Hall 1, Level 3*				
	03:50pm-05:50pm	PM-2	TC-05 EMC Protection	TC-07 Aerospace EMC	TC-14 AI in EMC	APEMC @ 20	Poster Presentation Session 1 @ Foyer
	06:30pm-09:00pm		**Symposium Banquet Dinner cum Award Presentations** @ Grand Hyatt KL, Grand Salon				
Date	**Time**		**Meeting Room 406 Level 4**	**Meeting Room 407 Level 4**	**Meeting Room 410 Level 4**	**Meeting Room 409 Level 4**	**Exhibition @ Conference Hall 1**
May 07 (Thu)	08:40am-10:20am	AM-1	TC-16 Antenna	TC-06 Transport EMC	TC-10 SIPI	SS-04 EM Measurement-Computation	Poster Presentation Session 2 @ Foyer
	10:20am-10:40am		*Tea Break @ Exhibition Hall, Conference Hall 1, Level 3*				
	10:40am-12:20pm	AM-2	TC-16 Antenna	TC-03 Lightning	TC-11 CEM	TC-02 EMC Measurement	Poster Presentation Session 2 @ Foyer
	12:20pm-01:30pm		*Lunch @ Conference Hall 2, Level 3*				
	01:30pm-03:30pm	PM-1	SS-01 Power EMC	TC-15 Wireless Comm.	[WS 7] Near-Field EMC	SS-09 Complex Environment EMC	Poster Presentation Session 3 @ Foyer
	03:30pm-03:50pm		*Tea Break @ Exhibition Hall, Conference Hall 1, Level 3*				
	03:50pm-05:50pm	PM-2	TC-04 HPEM / TC-05 EMC Protection	TC-13 Nano EMC	SS-11 Sensor EMC	SS-06 RF/Microwave Sensors	Poster Presentation Session 3 @ Foyer
	06:30pm		**------- The End ----------**				

Keynotes

Keynote I	**Beyond Low-Pass: The Evolution of Guided-Wave Technologies Toward All-Pass Integrated Circuits and Systems**
TIME	**9:30am – 10:15am**, Tuesday, 05 May 2026
VENUE	Plenary Theatre Auditorium, Level 3
SPEAKER	**Ke WU** Institute for Wireless Intelligence (IWS), Chengdu, China Poly-Grames Research Center and Electrical Engineering Department Polytechnique Montréal (University of Montreal), Canada FIEEE, FCAE, FRSC, Facatech

ABSTRACT

RF/microwave electronics and photonics, particularly analog low-pass and band-pass technologies, are rapidly advancing into the millimeter-wave and terahertz regimes, driven by emerging 6G demands. In parallel, the shift toward terabyte- and petabyte-scale digital systems is propelled by the need for seamless AI-driven data connectivity and efficient operation. In this context, ultrafast electronics has become a key driver for next-generation all-pass guided-wave structures. This talk opens with an overview of low-, band-, and high-pass transmission lines and guided-wave structures for nanosecond-scale applications, followed by an examination of low-pass, high-density IC techniques, emphasizing the fundamental limits of microstrip technologies and microscale EMC challenges in dense integration. State-of-the-art substrate integration approaches, spanning metallic and dielectric topologies, are reviewed with focus on transmission loss and integration density. Emerging waveguide architectures and integration strategies are then presented, supported by theoretical and experimental results. High-density ICs and interconnects are enabled through the heterogeneous integration of metallic and dielectric waveguides within unified platforms, supporting both TEM and non-TEM modes, with packaging and interconnect techniques also addressed. Finally, mode composition and selectivity are discussed for DC-to-THz systems, targeting picosecond ultrafast and ultra-broadband all-pass operation. The presentation concludes by suggesting that the unification of electronic and photonic systems may ultimately be achieved through a single all-pass transmission architecture spanning the entire electromagnetic spectrum of interest.

BIOGRAPHY

Dr. Ke Wu is the Industrial Research Chair in Future Wireless Technologies and a Professor of Electrical Engineering at Polytechnique Montréal (University of Montreal). He has published more than 1,500 technical papers, contributed numerous books and book chapters, and holds over 90 patents. He has played key leadership roles in major international conferences, including serving as General Chair of the 2012 IEEE International Microwave Symposium and General Co-Chair of the 2025 IEEE International Symposium on Antennas and Propagation. Dr. Wu was President of the IEEE Microwave Theory and Technology Society (MTT-S) in 2016 and served as the inaugural North American representative to the General Assembly of the European Microwave Association (EuMA). He has received numerous awards and distinctions and has served as an IEEE MTT-S Distinguished Microwave Lecturer. Dr. Wu is a Fellow of the IEEE, the Canadian Academy of Engineering, the Academy of Science of the Royal Society of Canada, and the German Academy of Science and Engineering (acatech).

Keynote II	**The Importance of the Research in Advanced Electromagnetics for 5G and 6G Wireless Communication Systems: An Industry View**
TIME	**10:35am – 11:20am**, Tuesday, 05 May 2026
VENUE	Plenary Theatre Auditorium, Level 3
SPEAKER	**Renato LOMBARDI** Director, Milan Research Center Huawei Fellow

ABSTRACT

The invited talk start analyzing the most important requirements of mobile networks evolving from 5 to 6G and how those drive the trends and technology for radio access and wireless backhaul products and solutions: Application scenarios and frequency bands for 5G and 6G access and backhaul: low bands and medium bands; cm-wave and mmw bands; sub-THz; Massive MIMO architectures comparison; How backhaul can meet the demand of capacity and network densification Industry will face additional challenges to antennas design and fabrication due to the unavoidable need to use high frequencies (starting from above 6 GHz) and antenna architectures that reduce the complexity and the power consumption of the system and the digital processing part. In particular, for high frequency scenarios, the growth of system's frequency corresponds to a growth of antenna complexity and cost, relative bandwidth and losses. Several challenges impact on the antenna design like sensitivity to manufactory accuracy, high integration level and distribute control points. Moreover, new problems like the harmonized co-channel coexistence between the IMT 5G systems and the fixed-satellite services will challenge the designers like never seen before in the wireless industry.

Research in Advanced Electromagnetism is fundamental to find technical and technology directions to solve the above challenges: Unconventional phased arrays and the use of meta-surfaces to achieve tight emission masks and extended field of view; New beamforming techniques without phase shifters that exploit the antenna as additional element to improve performance and efficiency; mm-wave and Sub-THz for Sensing and Communication Integration; Smart electromagnetic environment to enhance the propagation channel.

BIOGRAPHY

Renato Lombardi is Director of Huawei Italy Research Center and Vice President of Huawei's Microwave Product Line. In these roles, he oversees the research and development of microwave / millimeter-wave technologies for wireless communications and the implementation of innovative mobile broadband backhauling solutions all over the world.
Renato Lombardi joined Huawei in 2008, founding the Huawei Research Center in Milan, Italy. In 2011, he was awarded the title of "Fellow of Huawei for Microwave".

Renato has more than 30 years of experience in the microwave and millimeter-wave industry. He previously led the Siemens' Microwave Business and Product Management, and in 2006, was appointed Director of Research and Development.
In 2015 Renato Lombardi has been elected as Chair of the ETSI Industry Study Group mWT (millimeter-Wave Transmission). He serves Member of the Board of the European Microwave Association as an industry representative.

Keynote III	**Wearable Device's EMC**
TIME	**11:20am – 12:05pm**, Tuesday, 05 May 2026
VENUE	Plenary Theatre Auditorium, Level 3
SPEAKER	**Jianqing WANG** Professor, Nagoya Institute of Technology IEEE Fellow

ABSTRACT

This talk will first introduce our developed wearable devices such as a wearable electrocardiogram and a wearable robotic hand by combining vital sensors and human body communication technology, The basic EMI mechanism of external electromagnetic field to wearable devices will be clarified from the viewpoint of conversion from common mode to differential mode, and a countermeasure at the design stage will be shown. Moreover, an immunity test system for wearable devices will also be presented.

BIOGRAPHY

Jianqing Wang is a Full Professor at Nagoya Institute of Technology (NITech) and Vice Director of Center for Future Communications Research (CeFCom), NITech, Japan. He received the B.E. degree in electronic engineering from Beijing Institute of Technology, Beijing, China, in 1984, and the M.E. and D. Eng. degrees in electrical and communication engineering from Tohoku University, Sendai, Japan, in 1988 and 1991, respectively. He was a Senior Engineer with Sophia Systems Co. Ltd., Tokyo, Japan, before joining NITech, Nagoya, Japan, in 1997.

His research interests include electromagnetic compatibility and biomedical communications. He authored Body Area Communications (Wiley-IEEE) in 2012. He received the Technical Achievement Award from IEEE EMC Society in 2019. In 2021, he was elevated to IEEE Fellow for his contributions to EMC of biological and wearable/implant devices. Since 2020, he has been expanding his research area to EMC and international standardization of automotive Ethernet devices and components at CeFCom, NITech, Japan.

Tutorial & Workshops

OVERVIEW OF TUTORIAL & WORKSHOP PROGRAM

SN	Full Title of Workshops	Organizers
WS/TT 1	Pushing the Limits: Amplifier Evolution for Modern EMC Standards	Nicholas Jones
WS 2	Cross-Scale Electromagnetic Compatibility Challenges and Design Strategies for Intelligent Electronics	Qingguo Du, Yan Li, Song Sun
WS/TT 3	Optimizing Spread Spectrum Clocking to Reduce Electromagnetic Emissions	Bernd Deutschmann, Marco Pfeifer
WS 4	Tutorial on Fundamentals for EMC	Junhong Deng
WS 5	Unmanned Aerial Vehicle (UAV), Drone Flying Challenges to our Living Environment	Estelle Ang, Huamin Jie
WS 6	New developments in EMC Standard CISPR 32 for emission measurements on multimedia equipment	Jens Medler, Zarismail Abd
WS 7	Near-Field EMC Measurement: From Probe Design to Field Scanning	Cheng Yang
WS 8	Software-Defined Radio Techniques for EMC and Antenna Testing	Cheng Yang
WS 9	From Theory to Practice: Tackling the Complexities of Reverberation Chamber Measurements	Vignesh Rajamani
WS/TT 10	Accelerating EMC Certification Through Simulation: CST Studio Suite Solutions for Modern Electronics Design	Klaus Krohne, Chun Tong Chiang, Rijin Saseendran
WS 11	EMP, HEMP, and IEMI Threats—Theory, Mitigation, and Standards	Janet O'Neil, Yuichi Hayashi
WS 12	More, Better, Faster – The Rapid Evolution of Automotive EMC Design and Test	Janet O'Neil, Estelle Ang
WS/TT 13	High-Performance EMC Testing: Chamber Design and Deployment Across Industries	Janet O'Neil, Zhong Chen
WS/TT 14	Design of Resilient 3D Heterogeneous, Multilayer Interposer Systems Based on On-Chip Lifecycle Management (OCLM) for Electromagnetic Compatibility	Fabian Vargas
WS/TT 15	Research on Electromagnetic Metamaterials-Based Wireless Power Transfer System	Cancan Rong, Yitao Liu
WS 16	Synopsys EMI/EMC solution	Desmond Tan

OVERVIEW OF TUTORIAL & WORKSHOP PROGRAM

Date	Time	AM/PM	Meeting Room 406	Meeting Room 407	Meeting Room 410	Meeting Room 409
May 04 (Mon)	**08:20am 10:20am**	AM1	[WS 9] From Theory to Practice: Tackling the Complexities of Reverberation Chamber Measurements	[WS 11] EMP, HEMP, and IEMI Threats—Theory, Mitigation, and Standards	[WS/TT 3] Optimizing Spread Spectrum Clocking to Reduce Electromagnetic Emissions	[WS/TT 1] Pushing the Limits: Amplifier Evolution for Modern EMC Standards
	10:20am 10:40am		Tea Break @ Foyer, Level 3 West Wing			
	10:40am 12:40pm	AM2	[WS 9] From Theory to Practice: Tackling the Complexities of Reverberation Chamber Measurements	[WS 12] More, Better, Faster – The Rapid Evolution of Automotive EMC Design and Test	[WS/TT 15] Research on Electromagnetic Metamaterials-Based Wireless Power Transfer System	[WS/TT 14] Design of Resilient 3D Heterogeneous, Multilayer Interposer Systems Based on On-Chip Lifecycle Management (OCLM) for Electromagnetic Compatibility
	12:40pm 01:40pm		Lunch @ Conference Hall 2, Level 3			
	01:40pm 03:40pm	PM1	[WS 16] Synopsys EMI/EMC solution & [WS/TT 13]	[WS 6] New developments in EMC Standard CISPR 32 for emission measurements on multimedia equipment	[WS 5] Unmanned Aerial Vehicle (UAV), Drone Flying Challenges to our Living Environment	[WS 2] Cross-Scale Electromagnetic Compatibility Challenges and Design Strategies for Intelligent Electronics
	03:40pm 04:00pm		Tea Break @ Foyer, Level 3 West Wing			
	04:00pm 06:00pm	PM2	[WS/TT 13] High-Performance EMC Testing: Chamber Design and Deployment Across Industries	[WS 8] Software-Defined Radio Techniques for EMC and Antenna Testing	[WS 4] Tutorial on Fundamentals for EMC	[WS/TT 10] Accelerating EMC Certification Through Simulation: CST Studio Suite Solutions for Modern Electronics Design
	06:30pm 09:00pm		Welcome Reception @ Foyer, Level 3 West Wing			
May 07 (Thu)	**01:30pm 03:30pm**	PM1			[WS 7] Near-Field EMC Measurement: From Probe Design to Field Scanning	

TUTORIALS & WORKSHOPS SESSIONS

May 04, Monday	08:20am-10:20am
Meeting Room 406 (08:20am-10:20am)	**WS 9: From Theory to Practice: Tackling the Complexities of Reverberation Chamber Measurements** Session Organizer(s): Vignesh Rajamani
	Reverb immunity: beyond the basics of EMC testing *Vignesh Rajamani, R&S USA* **Fast and reproducible radiated emission measurements using the VIRC** *Frank Leferink, University of Twente and Thales* **Experimental investigation of the ACF mechanism for independent stirrer position evaluation in reverberation chambers** *Fushi Zhang, R&S Singapore* **Impact of pulse modulated signals on emission measurements results** *Francesco Cecca, Otto-von-Guericke-Universität Magdeburg* **The new paradigm for Reverb testing** *Garth D'Abreu, ETS-Lindgren*
Meeting Room 407 (08:20am-10:20am)	**WS 11: EMP, HEMP, and IEMI Threats—Theory, Mitigation, and Standards** Session Organizer(s): Janet O'Neil, Yuichi Hayashi
	Theory behind EMP/HEMP/IEMI: causes, effects, history, and standards *Garth D'Abreu, ETS-Lindgren* **Lightning, HEMP and general pulse mitigation strategies** *Thomas Chau, MPE* **Protection implementation with filters, filter testing and grounding** *Sanjay Singh, ETS-Lindgren* **Information security threats caused by intentional electromagnetic interference** *Yuichi Hayashi, Nara Institute of Science and Technology (NAIST)* **HEMP measurement techniques IEC 61000-4-24** *TaeHeon Jang, I-Spec*
Meeting Room 410 (08:20am-10:20am)	**WS/TT 3: Optimizing Spread Spectrum Clocking to Reduce Electromagnetic Emissions** Session Organizer(s): Bernd Deutschmann, Marco Pfeifer
	Introduction to spread spectrum clocking, fundamentals, history, frequency modulation and mathematical background *Univ. Prof. Dr. Bernd Deutschmann, Graz University of Technology* **Simulation of frequency modulation, practical examples, optimization of spread spectrum parameters, nested spread spectrum modulation** *DI. Marco Pfeifer, Graz University of Technology*
Meeting Room 409 (08:20am-10:20am)	**WS/TT 1: Pushing the Limits: Amplifier Evolution for Modern EMC Standards** Session Organizer(s): Nicholas Jones
	Amplifier evolution for modern EMC standards *Nicholas Jones, AMETEK CTS / ARI*

May 04, Monday	10:40am-12:40pm
Meeting Room 406 (10:40am-12:40pm)	**WS 9: From Theory to Practice: Tackling the Complexities of Reverberation Chamber Measurements** Session Organizer(s): Vignesh Rajamani
	Reverb immunity: beyond the basics of EMC testing *Vignesh Rajamani, R&S USA* **Fast and reproducible radiated emission measurements using the VIRC** *Frank Leferink, University of Twente and Thales* **Experimental investigation of the ACF mechanism for independent stirrer position evaluation in reverberation chambers** *Fushi Zhang, R&S Singapore* **Impact of pulse modulated signals on emission measurements results** *Francesco Cecca, Otto-von-Guericke-Universität Magdeburg* **The new paradigm for Reverb testing** *Garth D'Abreu, ETS-Lindgren*
Meeting Room 407 (10:40am-12:40pm)	**WS 12: More, Better, Faster – The Rapid Evolution of Automotive EMC Design and Test** Session Organizer(s): Janet O'Neil, Estelle Ang
	Addressing the complexities of the new ISO 11451-5, reverberation chamber method *Garth D'Abreu, ETS-Lindgren* **EMC mitigation techniques on modern communication networks** *Patrick DeRoy, Analog Devices* **Developments in CISPR automotive EMI standards for electric vehicles and the applicability of FFT-based measuring receivers for compliance measurements** *Jens Medler, Rohde & Schwarz* **Anechoic chamber design considerations for full vehicle testing** *Zhong Chen, ETS-Lindgren*
Meeting Room 410 (10:40am-12:40pm)	**WS/TT 15: Research on Electromagnetic Metamaterials-Based Wireless Power Transfer System** Session Organizer(s): Cancan Rong, Yitao Liu
	Research on electromagnetic metamaterials-based wireless power transfer system *Associate Prof. Cancan Rong, CUMT* **Electromagnetic components integration in the power electronic system** *Pro. Yitao Liu, Shenzhen University*
Meeting Room 409 (08:20am-10:20am)	**WS/TT 14: Design of Resilient 3D Heterogeneous, Multilayer Interposer Systems Based on On-Chip Lifecycle Management (OCLM) for Electromagnetic Compatibility** Session Organizer(s): Fabian Vargas
	Design of resilient 3D heterogeneous, multilayer interposer systems based on OCLM for electromagnetic compatibility *Fabian Vargas, IHP - Leibniz Institute for High Performance Microelectronics*

May 04, Monday	01:40pm-03:40pm
Meeting Room 406 (01:40pm-03:40pm)	**WS 16: Synopsys EMI/EMC solution** Session Organizer(s): Desmond Tan
	Synopsys EMI/EMC solution *Desmond Tan, Ansys*
Meeting Room 407 (01:40pm-03:40pm)	**WS 6: New developments in EMC Standard CISPR 32 for emission measurements on multimedia equipment** Session Organizer(s): Jens Medler, Zarismail Abd
	Overview on the proposed changes in upcoming CISPR 32 ED3 *Jens Medler, R&S Munich* **Two alternatives for emission measurements above 1 GHz: E-Field in FSOATS versus Power in RVC** *Joerg Petzold, OVGU Magdeburg* **APD measurement function for adequate interference weighting above 1 GHz** *Yasushi Matsumoto, National Institute of Information and Communications Technology* *Jens Medler, R&S Munich* **Reliable and fast measurements with FFT measuring receivers** *Albert Lee, R&S Singapore* **Use of a mains cable termination device, VHF-LISN, to ensure the reproducibility in radiated emission measurement** *Kunihiro Osabe, Co-convenor of JAHG-6, CISPR SC-A, VCCI Council* **Regulatory requirements for IT and multimedia equipment to be marketed in Malaysia** *Zarismail Abd Rahman, Testing Services Department, SIRIM QAS International Sdn Bhd*
Meeting Room 410 (01:40pm-03:40pm)	**WS 5: Unmanned Aerial Vehicle (UAV), Drone Flying Challenges to our Living Environment** Session Organizer(s): Estelle Ang, Huamin Jie
	The evolving RF regulatory framework of UAV in Malaysia *Mr. Azizul Azman Jaafar, SIRIM QAS International Sdn. Bhd* **Introduction to UAV EMC** *Jonathan Teoh, Rohde & Schwarz Asia* **Case Study: improving the immunity of a consumer UAV against back-door coupling attack** *Dr. Huamin Jie, Nanyang Technological University* **Regulatory testing for cellular and non-cellular UAV communications** *Estelle Ang, Rohde & Schwarz Asia*
Meeting Room 409 (01:40pm-03:40pm)	**WS 2: Cross-Scale Electromagnetic Compatibility Challenges and Design Strategies for Intelligent Electronics** Session Organizer(s): Qingguo Du, Yan Li, Song Sun
	Electromagnetic compatibility challenges and optimization strategies for brain-inspired chips *Yan Li, China Jiliang University* **Fast, Accurate, and Reliable Electromagnetic Compatibility Design for High-Density Interconnects** *Ling Zhang, Zhejiang University* **A Huygens Source Antenna-Based RFID Sensor for Real-Time Skin Temperature Monitoring** *Da Yi, Chongqing University*

May 04, Monday	04:00pm-06:00pm
Meeting Room 406 (04:00pm-06:00pm)	**WS/TT 13: High-Performance EMC Testing: Chamber Design and Deployment Across Industries** Session Organizer(s): Janet O'Neil, Zhong Chen
	Anechoic chamber considerations in EMC measurements − modern designs and emerging applications *Zhong Chen, ETS-Lindgren* **Using reverberation chambers to increase test productivity − a review of real-world applications** *Garth D'Abreu, ETS-Lindgren*
Meeting Room 407 (04:00pm-06:00pm)	**WS 8: Software-Defined Radio Techniques for EMC and Antenna Testing** Session Organizer(s): Cheng Yang
	Cost-effective near-field scanning using SDR with a Raspberry Pi *Dr. Cheng Yang, Hamburg University of Technology* **Software-Defined Radio: a fast prototype for radar and navigation systems** *Wenqi Fan, Beihang University* **High performance SDR platforms and future perspective** *Yuannan Li, LUOWAVE Co., Ltd.*
Meeting Room 410 (04:00pm-06:00pm)	**WS 4: Tutorial on Fundamentals for EMC** Session Organizer(s): Junhong Deng
	Fundamental of EMC Design *Junhong Deng, TÜV SÜD PSB*
Meeting Room 409 (04:00pm-06:00pm)	**WS/TT 10: Accelerating EMC Certification Through Simulation: CST Studio Suite Solutions for Modern Electronics Design** Session Organizer(s): Klaus Krohne, Chun Tong Chiang, Rijin Saseendran
	Virtual tests for EMC compliance *Dr. Klaus Krohne, CST* **Shielding effectiveness for high and low frequency** *Mr. Chun Tong Chiang, CST* **Virtual tests for EMC compliance** *Mr. Rijin Saseendran, Dassault Systèmes*

May 07, Thursday	01:30pm-03:30pm
Meeting Room 410 (01:30pm-03:30pm)	**WS 7: Near-Field EMC Measurement: From Probe Design to Field Scanning** Session Organizer(s): Cheng Yang
	Calibration and ESD measurement application of simple transient field probes *Dr. Guangxiao Luo, North China Electric Power University* **Source reconstruction based on near-field scanning** *Prof. Xingchang Wei, Zhejiang University* **Portable robotic EMF scanner enabling near-field image acquisition in minutes** *Dr. Cheng Yang, Hamburg University of Technology*

Overview of Technical Program on May 5, 2026 (Tuesday)

Color codes: *Workshops (WS)* | *Tutorials (TT)* | *Special Sessions (SS)* | *Technical Sessions (TC)* | *Keynotes* | *Poster Presentation Session* | *Best Student Paper Presentation Session*

Date	Time		Plenary Theatre Auditorium, Level 3				Exhibition @ Conference Hall 1
May 05 (Tue)	08:50am-09:30am	AM-1	Grand Opening Ceremony				
	09:30am-10:15am		[Keynote] Beyond Low-Pass: The Evolution of Guided-Wave Technologies Toward All-Pass Integrated Circuits and Systems Ke WU, Professor, Polytechnique Montréal (University of Montreal), IEEE Fellow				
	10:15am-10:35am		*Tea Break @ Exhibition Hall, Conference Hall 1, Level 3*				
	10:35am-11:20am	AM-2	[Keynote] The Importance of the Research in Advanced Electromagnetics for 5G and 6G Wireless Communication Systems: An Industry View Renato LOMBARDI, Director, Milan Research Center, Huawei Fellow				
	11:20am-12:05pm		[Keynote] Wearable Device's EMC Jianqing WANG, Professor, Nagoya Institute of Technology, IEEE Fellow				
			Meeting Room 406 Level 4	**Meeting Room 407 Level 4**	**Meeting Room 410 Level 4**	**Plenary Theatre Auditorium, Level 3**	**Exhibition @ Conference Hall 1**
	12:05pm-01:30pm		*Lunch @ Conference Hall 2, Level 3*		Std-299 Shielding Session (12:25pm-01:10pm)	EMC-S Open Session (12:25pm-01:10pm)	
	01:30pm-03:30pm	PM-1	SS-05 EM Security	TC-12 Bio-EMC	SS-03 Near-Field EMC	TC-01 EMC Standards / SS-10	
	03:30pm-03:50pm		*Tea Break @ Exhibition Hall, Conference Hall 1, Level 3*				
	03:50pm-05:50pm	PM-2	Young Professional SS	TC-12 Bio-EMC	SS-03 Near-Field EMC	SS-10 Reverberation Chambers	
	06:30pm-09:00pm		**APEMC Young Professional Social Event**				

Technical Sessions – – Tuesday Afternoon, May 5, 2026 (PM1)

Rooms	Meeting Room 406	Meeting Room 407
01:30pm – 03:30pm	**[SS-05] EM Security** *Chair(s): Yuichi Hayashi, Jong-Gwan Yook*	**TC-12 Bio-EMC** *Chair(s): Jianqing Wang, Hasliza A Rahim*
1:30pm	**TU-PM1-SS05-01** **Introduction to EM Information Security: Converging TEMPEST and Side-Channel Analysis (#1571227702)** *Yuichi Hayashi (Nara Institute of Science and Technology), Jong-Gwan Yook (Yonsei University)*	**TU-PM1-TC12-01** **Research on the Evaluation of Wi-Fi Wireless Performance of Handheld Wireless Ultrasound Diagnostic Devices (#1571228025)** *Y. Xu (HUST), H. Fu, Y. Liu (Hubei Medical Devices Quality Supervision and Test Institute), S. Cheng (ETS-Lindgren)*
1:50pm	**TU-PM1-SS05-02** **EM-VISION: Evaluating Security Features in Commercial RISC-V Against Electromagnetic Side-Channel (#1571227763)** *K. Kamalakshan, D. Jap, S. Bhasin (Nanyang Technological University), K. Abdellatif (Ledger)*	**TU-PM1-TC12-02** **A Resonant Mechanism Study for the Impact of Stent Length on MRI RF-Induced Heating (#1571231553)** *S. Hu (SJTU[1]), D. Wu, C. Li, Z. Wang (Shanghai Institute of Medical Device Testing[2]), J. Sun[1], R. Guo[2]*
2:10pm	**TU-PM1-SS05-03** **Reconstruction of Spread-Spectrum Clock in Electromagnetic Information Leakage Under Dual-Monitor Scenario (#1571227967)** **BEST STUDENT PAPER FINALIST** *C. Bae, Dong-Hoon Choi (Yonsei University), Euibum Lee (LG Electronics), Jong-Gwan Yook (Yonsei University)*	**TU-PM1-TC12-03** **From Muscle Signals to Mechanical Response: Toward a Symbiotic Human-Machine System (#1571228474)** *Zi Yang Wang, Rui Wang, Qinglong Huang (Beihang University)*
2:30pm	**TU-PM1-SS05-04** **Impact of Structural Differences Caused by Manufacturing Variations in HDMI Cables on EM Information Leakage (#1571231704)** *S. Matsumoto, H. Ide, T. Kitazawa, D. Fujimoto (Nara Institute of Science and Technology[1]), T. Kasuga (National Institute of Technology), Y. Hayashi [1]*	**TU-PM1-TC12-04** **Pacemaker Immunity to Inductive Power Systems for Electric Vehicles (#1571228502)** *Chaïma Elharti (GeePs & ESME), Mohamed Bensetti, Den God Frez Palessonga (GeePs), Lionel Pichon (Group of Electrical Engineering Paris, Universite Paris-Saclay & GeePs Laboratory)*
2:50pm	**TU-PM1-SS05-05** **Study on Reflected Wave Generation Mechanism in Echo TEMPEST Induced by Physical Imbalance of Differential Transmission Systems (#1571231766)** **BEST PAPER FINALIST** *Yuki Akatsuka, Shugo Kaji, Taiki Kitazawa, Yuichi Hayashi (Nara Institute of Science and Technology)*	**TU-PM1-TC12-05** **Microwave-Based Antenna Design for Metastatic Lymph Node Detection in Cancer Diagnosis (#1571228844)** *Danyang Li, Yanhua Peng, Donglin Su (Beihang University)*
3:10pm	**TU-PM1-SS05-06** **Frequency-Domain Analysis of Electromagnetic Side-Channel Leakage from FPGA-Based AES (#1571233079)** *Hideaki Sone (Tohoku University), Yuichi Hayashi (Nara Institute of Science and Technology)*	

Technical Sessions – – Tuesday Afternoon, May 5, 2026 (PM1)

Rooms	Meeting Room 410	Plenary Theatre Auditorium
01:30pm – 03:30pm	**[SS-03] Near-Field EMC** ***Chair(s): Xingchang Wei, Ruey-Beei Wu***	**TC-01 EMC Standards / [SS-10]** ***Chair(s): Frank Leferink, Junpeng Ji***
1:30pm	**TU-PM1-SS03-01** **Electric-Field or Magnetic-Field Immunity Testing for Electrically Small Electronic Devices (#1571225532)** **BEST PAPER FINALIST** *Han Dong-Hao, Ji-Yang Liu, Ming-Jie Pang, Xing-Chang Wei (Zhejiang University)*	**TU-PM1-TC01-01** **Verification and Analysis of CISPR Quasi-Peak Detector Pulse Response Characteristics Based on Time-Domain Simulation (#1571228029)** *Y. Zhang, Z. Zhou, S. Yao (Southeast University)*
1:50pm	**TU-PM1-SS03-02** **Radiation Source Modeling for Multiple Lines from Magnitude-Only Magnetic Field (#1571228037)** **BEST PAPER FINALIST** *W.-J. Chen, R.-B. Wu (National Taiwan University), H.-W. Qian, M.-C. Huang (Realtek Semiconductor)*	**TU-PM1-TC01-02** **Design of Wide-Band Active EMI Filter for High-Speed Motor Drive System (#1571231964)** *J. Ji, Z. Zhang, F. Cheng, H. Yang (Xi'an Uni. of Tech.), S. Lin (Guangzhou Metro Design Research Institute Co., Ltd.), X. Xie (Shaanxi Automobile Group Co., Ltd.)*
2:10pm	**TU-PM1-SS03-03** **Calibration of Simple Transient Magnetic Field Probe and Circuit-Based Waveform Reconstruction (#1571227761)** *G. Luo, Y. He, Y. Zhang, J. Dang (North China Electric Power University (Baoding)), W. Zhang (North China Electric Power University)*	**TU-PM1-TC01-03** **Method of Digital Active EMI Filter Based on in-Circuit Identification of Noise Source Impedance for Switching Power Supply (#1571231792)** *J. Ji, R. Wang, J. Lu, J. Sun, Y. Wang (Xi'an University of Technology), Z. Hua (Northwestern Polytechnical Uni.)*
2:30pm	**TU-PM1-SS03-04** **An Active Magnetic Field Probe for Low Frequency Measurement (#1571231397)** *Jun Wang, Ming-Jie Pang, Di Wang, Xing-Chang Wei (Zhejiang University)*	**TU-PM1-TC01-04** **Estimation of the Distribution Density of the Directivity of Unintentional Radiators (#1571231498)** *Jörg Petzold, Max Rosenthal, Ralf Vick (Otto Von Guericke University Magdeburg)*
2:50pm	**TU-PM1-SS03-05** **A Novel Convolutional Neural Network for near-Field Spatial Resolution Enhancement (#1571227950)** *Ruoyu Liang, Xudong Han, Tian-Qi Wang, Xiaochun Li, Junfa Mao (Shanghai Jiao Tong University)*	**TU-PM1-SS10-01** **Effects of Reverberation Chambers and Stirring Mechanisms on the Absorption Cross Section Measurements (#1571215345)** *M. F. Cengiz (University of Twente[1]), M. A. Azpurua (Universitat Politècnica de Catalunya), R. V.-Ardatjew, F. Leferink[1]*
3:10pm	**TU-PM1-SS03-06** **Design and Optimization of a Pure TEM Air-Trace Structure for Probe Characterization Up to 40 GHz (#1571231494)** *Sajjad Sadeghi (Graz), David Pommerenke (TU Graz), Jin Min (Amber Precision Instruments)*	**TU-PM1-SS10-02** **Uncertainty Analysis of Cable Shielding Attenuation Test Using the Reverberation Chamber Method (#1571228531)** *Jiawen Chen, Xiang Zhou, Yanwei Ye (Southeast University)*

Technical Sessions – – Tuesday Afternoon, May 5, 2026 (PM2)

Rooms	Meeting Room 406	Meeting Room 407
03:50pm – 05:50pm	**Young Professional SS** ***Chair(s): Hanzhi Ma***	**TC-12 Bio-EMC** ***Chair(s): Ji Chen, Guizhi Xu***
3:50pm	**Invited Talk from EMC Expert:** **Co-Design for Heterogeneous Integration-Challenges and Opportunities** *Jose Schutt-Aine, IEEE Fellow* *Professor, University of Illinois Urbana-Champaign* **Invited Talk from EMC Young Professional:** **The Recent Progress of Low-field Portable MRI Hardware, EMC related research, Open-source Efforts, and the Future Perspectives** *Shaoying Huang, Associate Professor* *Singapore University of Technology and Design*	**TU-PM2-TC12-01** **Influence of Geometric Parameters on MRI Gradient-Field Heating: A Simulation Study on Size and Shape Effects (#1571231557)** *S. Hu (Shanghai Jiao Tong University[1]), J. Zhu, H. Chen, Dajing Wu (Shanghai Institute of Medical Device Testing[2]) , J. Sun[1] , R. Guo[2]*
4:10pm		**TU-PM2-TC12-02** **Thermal Spread Characterization of SEEG Leads During RF Ablation (#1571231585)** *Y. Xu and M. Du (University of Houston[1]), S. Kim (Univ of Illinois), T. Porn and D. Moloney (Ad-Tech Medical Instrument Corporation), J. Chen[1]*
4:30pm	**Panel Discussion on Young Professional Development** *Prof. Er-Ping Li, Zhejiang University, China* *Prof. Jose Schutt-Aine, University of Illinois Urbana-Champaign, USA* *Prof. Daryl Beetner, Missouri University of Science and Technology, USA* *Prof. Shaoying Huang, Singapore University of Technology and Design, Singapore* *Dr. Syed Muzahir Abbas, GME Pty Ltd, Sydney, Australia* *Dr. Cheng Yang, Hamburg University of Technology, Hamburg, Germany* *Prof. Hanzhi Ma, Zhejiang University, China*	**TU-PM2-TC12-03** **Multimodal Electromagnetic Neuromodulation and Clinical Applications (#1571241574)** *G. Xu, Y. Wei, Y. Liu (Hebei University of Technology)*
4:50pm		**TU-PM2-TC12-04** **Advances in Electromagnetic Compatibility for Biomedical Wearable and Implantable Devices (#1571228414)** *D. Geng, G. Xu, K. Liu (Hebei University of Technology)*
5:10pm		
5:30pm		

Technical Sessions – – Tuesday Afternoon, May 5, 2026 (PM2)

Rooms	Meeting Room 410	Plenary Theatre Auditorium
03:50pm – 05:50pm	**[SS-03] Near-Field EMC** *Chair(s): Richard Xian-Ke Gao, Xiaochun Li*	**[SS-10] Reverberation Chambers** *Chair(s): Makoto Hara, Francesco Pio Cessa*
3:50pm	**TU-PM2-SS03-01** **Comparison of Equivalent Dipole Moments Reconstructed Using Least Squares and SVD-Defined Eigenmode Methods (#1571225956)** *H.-W. Qian, T.-Y. Wu, M.-C. Huang (Realtek Semiconductor), R.-B. Wu (National Taiwan University)*	**TU-PM2-SS10-01** **Modeling of Stochastic Field Coupling to Non-Linear Load Terminated Transmission Lines (#1571227820)** *Warnakulasuriya Satanika Lowe (Otto-von-Guericke University[1]), Mathias Magdowski[1], Ralf Vick[1]*
4:10pm	**TU-PM2-SS03-02** **A PCB-Embedded Differential Loop Probe for Non Invasive Transient Current Reconstruction (#1571229193)** *Rong Jie Chen (Zhejiang University[1]), Richard Xian-Ke Gao (IHPC), Di Wang, Xing-Chang Wei[1]*	**TU-PM2-SS10-02** **Study on Effect of Shaking Locations on Vibrating Intrinsic Reverberation Chamber Characteristics (#1571231146)** *Makoto Hara (Kawasaki Heavy Industries, Ltd.), Issei Ohashi, Yuji Kozaki (KGE)*
4:30pm	**TU-PM2-SS03-03** **Noise Source Localization with Sparse Magnitude-Only Magnetic Field Measurements Using KNN Algorithm (#1571227214)** *K.-C. Wu, W.-J. Chen (National Taiwan University[1]), M.-C. Huang (Realtek Semiconductor), Ruey-Beei Wu[1]*	**TU-PM2-SS10-03** **A Consistent-Period Windowing Method for Determining the Independent Stirrer Positions in Reverberation Chambers (#1571225807)** *F. Zhang, V. Rajamani (Rohde & Schwarz[1]), N. Venkatarayalu (SIT), J. Medler [1], K. Wong[1], T. Wong[1]*
4:50pm	**TU-PM2-SS03-04** **Source Reconstruction Inside Shielding Enclosures and Its Generality Validation(#1571231663)** **BEST STUDENT PAPER FINALIST** *Xiong Zhe and Ming-Jie Pang (Zhejiang University[1]), Richard Xian-Ke Gao (IHPC), Xing-Chang Wei[1]*	**TU-PM2-SS10-04** **Time-Domain Modelling of EMI Receiver Responses to Pulsed Signals in Reverberation Chambers (#1571229757)** *F. P. Cecca, Max Rosenthal, Mathias Magdowski, Ralf Vick (Otto-von-Guericke University Magdeburg)*
5:10pm	**TU-PM2-SS03-05** **Time-Domain Far-Field Calculation for Printed Circuit Board Inside the Perforated Shielding Enclosure Based on near-Field Data (#1571231657)** *J. Li, Y. Zhou (CUIT[1]), K. Yang[1], J. Wang (Chengdu Leidian Inf. Tech. Co., Ltd.), C. He (Uni. Nottingham), Y. Zhao [1]*	**TU-PM2-SS10-05** **Impact of a Large Enclosure on Reverberation Chambers: A Full-Wave Simulation Study (#1571231375)** *P. Tili, J. Ali (Università Politecnica Delle Marche[1]), Luca Bastianelli[1], Alfredo De Leo[1], Franco Moglie[1], Valter Mariani Primiani (Polytechnic University of Marche)*
5:30pm	**TU-PM2-SS03-06** **Impact of Object Proximity on Embroidered Disc-Shaped Textile Array Antenna Characteristics: An in-Situ Measurement Approach (#1571231609)** *A. Muni, N. Rahayu, T. Yunita (Telkom University), F. A. Nasution, C. Chairunnisa, M. A. Wibisono (ITB)*	**TU-PM2-SS10-06** **Statistical Analysis of Random Boundary Conditions in a Reverberation Chamber (#1571231556)** *J. Ali (Polytechnic University of Marche[1]), P. Tili (Università Politecnica Delle Marche[2]), L. Bastianelli[2], A. D. Leo[2], Valter Mariani Primiani[1], Franco Moglie[2]*

Overview of Technical Program on May 6, 2026 (Wednesday)

Color codes: *Workshops (WS)* | *Tutorials (TT)* | *Special Sessions (SS)* | *Technical Sessions (TC)* | *Keynotes* | *Poster Presentation Session* | *Best Student Paper Presentation Session*

Date	Time		Meeting Room 406 Level 4	Meeting Room 407 Level 4	Meeting Room 410 Level 4	Meeting Room 409 Level 4	Exhibition @ Conference Hall 1
May 06 (Wed)	08:40am-10:20am	AM-1	SS-07 AI-Assisted PI	SS-02 Communication EMC	TC-09 IC EMC	TC-02 EMC Measurement	
	10:20am-10:40am		*Tea Break @ Exhibition Hall, Conference Hall 1, Level 3*				
	10:40am-12:20pm	AM-2	SS-08 Periodic EM Structures	TC-08 Low-Frequency EMC	TC-09 IC EMC	TC-02 EMC Measurement	Best Student Paper Presentation Session @ Foyer
	12:20pm-01:30pm		*Lunch @ Conference Hall 2, Level 3*				
	01:30pm-03:30pm	PM-1	TC-04 HPEM / TC-05 EMC Protection	TC-06 Transport EMC	TC-11 CEM	APEMC @ 20	Poster Presentation Session 1 @ Foyer
	03:30pm-03:50pm		*Tea Break @ Exhibition Hall, Conference Hall 1, Level 3*				
	03:50pm-05:50pm	PM-2	TC-05 EMC Protection	TC-07 Aerospace EMC	TC-14 AI in EMC	APEMC @ 20	Poster Presentation Session 1 @ Foyer
	06:30pm-09:00pm		**Symposium Banquet Dinner cum Award Presentations** @ Grand Hyatt KL, Grand Salon				

Technical Sessions – – Wednesday Morning, May 6, 2026 (AM1)

Rooms	Meeting Room 406	Meeting Room 407
08:40am – 10:20am	**[SS-07] AI-Assisted PI** *Chair(s): Ling Zhang, Wen-Jiao Liao*	**[SS-02] Communication EMC** *Chair(s): Taochen Gu, Boyang Qian*
8:40am	**WE-AM1-SS07-01** **FFNN-Based Optimization of Embedded Common-Mode Filter for C-PHY (#1571231094)** *Yu-Ying Cheng, Tzong-Lin Wu (National Taiwan University)*	**WE-AM1-SS02-01** **CEMA-Net: A Patch-Based Electromagnetic Modulation Attention Network for Maritime Floating Object Recognition in Complex Interference Environments (#1571227940)** *Xuanhe Liu, Shuning Zhang, Chenyu Sun, Si Chen (Nanjing University of Science and Technology)*
9:00am	**WE-AM1-SS07-02** **Equivalent Circuit Conversion and Fine-Tuning for Power Distribution Network Analysis (#1571231145)** *Li Jiang, Ling Zhang, Junjie Ren, Keyi Ding, Er-Ping Li (Zhejiang University)*	**WE-AM1-SS02-02** **Phase Error Evaluation of Pin-Diode-Based Metasurfaces Under Electromagnetic Interference (#1571230496)** **BEST PAPER FINALIST** *Boyang Qian, Theng Huat Gan (National University of Singapore[1]), Huamin Jie (IEEE EMC Chapter), Richard Xian-Ke Gao (Institute of High Performance Computing), Zhenyu Zhao[1]*
9:20am	**WE-AM1-SS07-03** **Automated Power Plane and Stackup Synthesis for Package PDNs Using Reinforcement Learning (#1571231521)** *Haran Manoharan, Chulsoon Hwang (Missouri University of Science and Technology)*	**WE-AM1-SS02-03** **Effects of Shield-Connector Connection on the Input Impedance of Shielded Cables (#1571231826)** *Furkan Sahin, Laurens A. Bronckers, Anne Roc'h (Eindhoven University of Technology)*
9:40am	**WE-AM1-SS08-01** **A Wideband All-Metal Evanescent-Mode Filter Featuring Strong Upper-Stopband Rejection (#1571231157)** **BEST PAPER FINALIST** *Xiaoyi Zhang, Da Yi, Zhiyang Qi, Guanyi Wang, Xinyun Li, Ming-Chun Tang (Chongqing University)*	**WE-AM1-SS02-04** **Squared Refractive Index at Perfect Matching: A Robust Quality Criterion for Microwave Absorbing Materials (#1571232350)** *Shengyu Yang, Liang Qiao, Fashen Li (Lanzhou University)*
10:00am		**WE-AM1-SS02-05** **A Metasurface-Enabled TEMPEST Countermeasure Based on Amplitude and Phase Joint Modulation (#1571233576)** *Yuanpeng Xu, Boyang Qian, Theng Huat Gan, Zhenyu Zhao (National University of Singapore)*

Technical Sessions – – Wednesday Morning, May 6, 2026 (AM1)

Rooms	Meeting Room 410	Meeting Room 409
08:40am – 10:20am	**TC-09 IC EMC** *Chair(s): Bernd Deutschmann, Shih-Yi Yuan*	**TC-02 EMC Measurement** *Chair(s): Ken Kawamata, Ying Loong Lee*
8:40am	**WE-AM1-TC09-01** **Analysis of the Impact of Negative Body Bias on the ESD Behavior of RF Switches (#1571227545)** *Jiabei Pan, Yipeng Chen, Ling Zhang, Shipeng Chen, Shurong Dong (Zhejiang University)*	**WE-AM1-TC02-01** **Design of Electromagnetic Radiation Detection Probes for near-Field Systems and Their Application in Display Systems (#1571219372)** *Hsing-Chuan Peng, Sung-Mao Wu, Cheng-Hsuan Liu (National University of Kaohsiung)*
9:00am	**WE-AM1-TC09-02** **Electromagnetic Leakage Characterization of Brushless DC Motor Modules in Unmanned Aerial Vehicles (#1571227656)** *Tzu Yun Lin, Shih-Yi Yuan (Feng Chia University), Liang-Yang Lin (Bureau of Standards, Metrology & Inspection), Yuan-Fu Ku (Taiwan Testing and Certification Center)*	**WE-AM1-TC02-02** **Bridge Power Line-Oriented PCB Design for H-Field Noise Reduction in Mobile Audio Systems (#1571223182)** *Sangjun Lee, Soyoung Kim (Sungkyunkwan University)*
9:20am	**WE-AM1-TC09-03** **Evaluation of Spread-Spectrum Multi-Tone Modulation via DPI for IC Immunity (#1571231764)** **BEST STUDENT PAPER FINALIST** *Marco Pfeifer, Simon Profanter, Bernd Deutschmann (Graz University of Technology)*	**WE-AM1-TC02-03** **Study on Ensuring Measurement Reproducibility for Floor Standing Equipment by VHF-LISN (#1571224696)** *Shinichi Okuyama, Nobuo Kuwabara, Kunihiro Osabe (VCCI Council)*
9:40am	**WE-AM1-TC09-04** **Comparing Sensitivity Analysis Methods on the EMI-Induced Offset of an Operational Amplifier (#1571228299)** *Ko Odreitz, Dominik Zupan, Bernd Deutschmann (Graz University of Technology)*	**WE-AM1-TC02-04** **Enhancing Reproducibility of Conducted Emission Measurements Using Improved Transformer-Type AAN: Round Robin Test with Laptop PC (#1571225369)** *Nozomi Miyake (VCCI Council/ NEC Corporation), Masaaki Yokoi (VCCI Council/ Daikin Industries, Ltd.), Fujio Amemiya, Nobuo Kuwabara, Shinichi Okuyama, Hidenori Muramatsu (VCCI Council)*
10:00am	**WE-AM1-TC09-05** **The SNR Estimation of ADC is Achieved by Extracting INL Sequence Features Based on the 1D-Resnet18 Model (#1571228412)** *Rongjie Li (University of Electronic Science and Technology of China), WanYu Yang (Shenzhen Institute for Advanced Study of University of Electronic Science and Technology of China), Houjun Wang (University of Electronic Science and Technology of China)*	**WE-AM1-TC02-05** **Design of 0.5GHz~2GHz Differential H-Field Probe with High E-Field Suppression (#1571227367)** *Shikuan Liu, Zhicheng Xue, Ruxin Zheng, Zhongyuan Zhou (Southeast University)*

Technical Sessions – – Wednesday Morning, May 6, 2026 (AM2)

Rooms	Meeting Room 406	Meeting Room 407
10:40am – 12:20pm	**[SS-08] Periodic EM Structures** ***Chair(s): Da Li, Da Yi***	**TC-08 Low-Frequency EMC** ***Chair(s): Xuejun Pei, Yongqi Chang***
10:40am	**WE-AM2-SS08-01** **EMI Suppression and SI Improvement Using Ungrounded Lossy Metasurface in Densely-Packed Multi-Channel Circuits (#1571231702)** *Da Yi (Chongqing University[1]), Hao Du, Wei Guo (ZTE), Ming-Chun Tang[1]*	**WE-AM2-TC08-01** **Simulation and Analysis of SOC Estimation Error of LCO Battery Under Electromagnetic Interference (#1571230055)** *Zhen Tao (Nanyang Technological University[1]), Zhenyu Zhao (National University of Singapore), Huamin Jie[1], Mingke Yang[1], Ruyue He[1], Kye Yak See[1]*
11:00am	**WE-AM2-SS08-02** **An Evolvable Single-Layer Ultrawideband Bandpass Frequency-Selective Surface (#1571228006)** *Yan-Jyun Liu, Cheng-Nan Chiu (Yuan Ze University), Chiu-Kuo Chen (Bureau of Standards, Metrology and Inspection), Chih-Hung Lee (Taiwan Testing and Certification Center)*	**WE-AM2-TC08-02** **Leveraging Swin Transformer Tiny for Multi-Scale Partial Discharge Classification (#1571233619)** *Yongqi Chang, Xuemei Huang, Jingli Yang, Tianyu Gao, Changdong Wang (Harbin Institute of Technology), Zhou Shu (Xidian University)*
11:20am	**WE-AM2-SS08-03** **An X-Band EM Barrier Panel Design Made of Non-Conductive Material (#1571228752)** *Wen-Jiao Liao, Yu-Feng Chen, Pei-Chi Lu (National Taiwan University of Science and Technology), Chi-Yuan Yao (Electronics Testing Center)*	**WE-AM2-TC08-03** **Behavioral Modeling of Common-Mode Chokes Based on Auto-Circuit Grey-Wolf Optimization (#1571228674)** *Huamin Jie, Zhen Tao, Mingke Yang, Ruyue He, Yusen Tian, Kye Yak See (Nanyang Technological University)*
11:40am	**WE-AM2-SS08-04** **A 3D Frequency-Selective Structure with High Stopband Suppression Under Oblique Incidence (#1571229692)** *Pei Zhang, Da Li, Er-Ping Li (Zhejiang University)*	**WE-AM2-TC08-04** **Conducted Interference Current Modeling and Prediction for Brushless DC Motors Based on Black-Box Theory and Machine Learning (#1571228401)** *Yu Wu, Shenhui Jing (Southeast University)*
12:00pm	**WE-AM2-SS08-05** **Design of a Planar EM Absorber with Warring-States Particle Swarm Optimization (#1571231402)** *Filippo Chiaudani, Alessandro Barbieri (Politecnico di Milano[1]), Francesco Pace Napoleone (Université de Toulouse - Paul Sabatier), Andrea Montuoro[1], Eleonora L. Zich[1], Riccardo Enrico Zich[1]*	**WE-AM2-TC08-05** **Systematic EMI Mitigation for Cable Harnesses in Electric Vehicles (#1571231615)** **BEST PAPER FINALIST** *Jianxi Wen, Zhao Tang, Ling Zhang, Er-Ping Li (Zhejiang University)*

Technical Sessions – – Wednesday Morning, May 6, 2026 (AM2)

Rooms	Meeting Room 410	Meeting Room 409
10:40am – 12:20pm	**TC-09 IC EMC** ***Chair(s): Fayu Wan, Yang Jiang***	**TC-02 EMC Measurement** ***Chair(s): Shinobu Ishigami, Fei Fan***
10:40am	**WE-AM2-TC09-01** **Semiconductor EMC-Oriented Nonlinear Test of High-Efficiency GaN mm-Wave Power Amplifiers for B5G Transceivers (#1571231672)** *Hongyu Du; Fayu Wan (Nanjing University of Information Science and Technology[1]), Xiaohe Chen (China University of Petroleum), Lagouge Tartibu (University of Johannesburg), Sébastien Lalléchère (Association Française de Science des Systèmes), Blaise Ravelo[1]*	**WE-AM2-TC02-01** **Time-Domain Profiling for Streamer-Type Partial Discharge in Insulation Systems with Consideration of UHF Measurement Effects (#1571227519)** *Handrata Roy Josia, Fei Fan, Kye Yak See (Nanyang Technological University)*
11:00am	**WE-AM2-TC09-02** **Magneto-Optical Imaging for Analog Circuit Faults Diagnosis and Localization (#1571231734)** *Yuwei Zhang, Lulu Tian (University of Electronic Science and Technology of China), Peipei Zhu (Southwest China Institute of Electronic Technology), Libing Bai (University of Electronic Science and Technology of China)*	**WE-AM2-TC02-02** **Impact of Test Parameters on the Accuracy of Low-Frequency Coaxial Reflection Method Measurements (#1571227819)** *Dezeng Bu, Shenhui Jing, Zhongyuan Zhou, Lixiang Wang (Southeast University)*
11:20am	**WE-AM2-TC09-03** **Investigation on the Susceptibility of Operational Amplifiers to Switching Noise (#1571228056)** *Jacopo Serra, Franco Fiori (Politecnico di Torino)*	**WE-AM2-TC02-03** **Validity of a Fully Anechoic Chamber in the Frequency Range of 30MHz to 1GHz Using Normalized Site Attenuation Method (#1571228083)** *Dwi Cahyono (Krohne Messtechnik GmbH)*
11:40am	**WE-AM2-TC09-04** **Investigation on the Susceptibility to RF Interference of LDO Voltage Regulators (#1571231795)** *Jacopo Serra, Franco Fiori (Politecnico di Torino)*	**WE-AM2-TC02-04** **Practical and Non-Intrusive Technique for Measuring Shielded Cable Transfer Impedance (#1571231902)** **BEST PAPER FINALIST** *Wilfrid Quenum, Isabelle Junqua, Jean Philippe Parmantier (ONERA)*
12:00pm	**WE-AM2-TC09-05** **A Dual Field-Equivalent Source Reconstruction Framework for Non-Destructive IC Characterization (#1571231388)** **BEST PAPER FINALIST** *Jinghuai Wang, Da Xu, Yang Jiang (Shenzhen University), Richard Xian-Ke Gao (Institute of High Performance Computing), Zhi Quan (Shenzhen University)*	**WE-AM2-TC02-05** **Uncertainty in Broadband Shielding Effectiveness Measurements Using the Coaxial Line Method (#1571228441)** *Julio Parra (Universidad Politécnica de Cataluna), Manuel Añon-Cancela (INTA), Mireya Fernandez-Chimeno Marco A. Azpurua (Universitat Politècnica de Catalunya)*

Technical Sessions – – Wednesday Afternoon, May 6, 2026 (PM1)

Rooms	Meeting Room 406	Meeting Room 407
01:30pm – 03:30pm	**TC-04 HPEM /TC-05 EMC Protection** ***Chair(s): Cui Meng, Ic-Pyo Hong***	**TC-06 Transport EMC** ***Chair(s): Junping He, Yitao Liu***
1:30pm	**WE-PM1-TC04-01** **Research on the Characteristics of Escaping Electron Source of Strong Electromagnetic Pulse Generated by High-Power Laser-Target Interaction (#1571231879)** *Wenhao Liu, Cui Meng (Zhejiang University)*	**WE-PM1-TC06-01** **Modeling of Radiated EMI Due to Unbalanced Directivity Characteristic for Input and Output Cables in High Power Density GaN LLC Converter (#1571227514)** **BEST STUDENT PAPER FINALIST** *W. Gu, X. Pei (Huazhong University of Science and Technology[1]), J. Li (Sineng Electric Co., Ltd.), P. Zhou[1], Y. Yu[1]*
1:50pm	**WE-PM1-TC04-02** **Three-Dimensional Electromagnetic and Circuit Co-Simulation for Rectenna (#1571227180)** *Soki Akutsu (Mitsubishi Heavy Industries, Ltd.)* **BEST PAPER FINALIST**	**WE-PM1-TC06-02** **Radar Target Simulation and EMC Evaluation Framework for Automotive ADAS Systems (#1571231425)** *P. Domakonda, R.Vick (Otto-von-Guericke University)*
2:10pm	**WE-PM1-TC04-03** **High-Frequency Behavioral Modeling of Inverter-Fed Motor Drives for EMI Analysis (#1571228421)** *Louis Frouin (CentraleSupelec), Mohamed Bensetti and Adrien Voldoire (GeePs), Pierre-Etienne Lévy (Université de Paris-Saclay), Pierre Bruot (THALES LAS)*	**WE-PM1-TC06-03** **A Compact Loop-Based Metasurface for Frequency Selective EMI Mitigation in Electric Vehicles (#1571245468)** *Haroon Ahmed, Yao Zaiqi and Jiatian Xu (Geely Research Institute), Er-Ping Li (Zhejiang University)*
2:30pm	**WE-PM2-TC05-01** **Preparation, Microstructure Design, and Electromagnetic Performance Optimization of Microwave-Absorbing Ceramic Nanofibers (#1571231451)** *Yi Hou (Nanjing Tech University)*	**WE-PM1-TC06-04** **Evaluation of Shielding Behavior of a Hybrid Automotive Housing for EMC-Oriented Lightweight Design (#1571231726)** *M. Gruber, M. Beltle, S. Tenbohlen (Universität Stuttgart)*
2:50pm	**WE-PM2-TC05-02** **System-Level EMC and Coexistence Framework for 5G NB-IoT NTN Multi-Radio V16 Automotive Emergency Beacons (#1571231596)** *A. Pirisi, E. L. Zich (Politecnico di Milano[1]), Alessandro Bergamini (Cento92 Srl), Riccardo Enrico Zich[1]*	**WE-PM1-TC06-05** **Development and EMC Analysis of a Phase-Shift Full-Bridge DC/DC Converter as an Additional EMI Source in the High-Voltage Electrical System of Electric Vehicles (#1571228449)** **BEST STUDENT PAPER FINALIST** *I. Stölben, M. Beltle, S. Tenbohlen (Universität Stuttgart)*
3:10pm	**WE-PM2-TC05-03** **A Reflective EMC Teaching Framework: Bridging Theory and Practice (#1571270617)** *Zhenyu Zhao (National University of Singapore), Ziliang Liu*	**WE-PM1-TC06-06** **Impact of the Bandwidth and Frequency of Radiated Emissions Noise on GNSS Receiver Performance (#1571232025)** *D. Commerou, H. Manoharan, J. S. Oh (MUST[1]), B. Booth (Deere and Company), Daryl Beetner[1]*

Technical Sessions – – Wednesday Afternoon, May 6, 2026 (PM1)

Rooms	Meeting Room 410	Meeting Room 409
01:30pm – 03:30pm	**TC-11 CEM** ***Chair(s): Patrick DeRoy, Yang Jiang***	**APEMC @ 20** ***Chair(s): En-Xiao Liu***
1:30pm	**WE-PM1-TC11-01** **Predicting Alternating Conductive-Radiative Bands with a Full-Energy ULPC (#1571230438)** *Andrea Pirisi, Riccardo Enrico Zich, Mikhail Simonov (Politecnico di Milano)*	**Er-Ping Li's Two-decade Journey with APEMC—in Pursuit of Harmony, Compatibility, and Excellence** **13:30** Opening **13:35** [Keynote] "Legacy, Milestone and Perspectives: 20 Years of APEMC", **Er-Ping Li**, *APEMC Founding Chair*
1:50pm	**WE-PM1-TC11-02** **FETD-Based Comparative Study on the Transient Electromagnetic Characteristics of Gas-Insulated Transmission Lines Under Two Types of Partial Discharge Sources (#1571228112)** *Liu Yu, Huang Qi, Yuyu Zhu, Haotian Shi (Southwest University of Science and Technology)*	**14:15** **Tom Braxton** *IEEE EMC Society President*
2:10pm	**WE-PM1-TC11-03** **Non-Orthogonal PEEC Modeling and Analysis of Flexible Inductive Components (#1571228140)** *Yi Tian, Junping He, Haoming Hong, Weixin Wang (Harbin Institute of Technology, Shenzhen)*	**14:35** **Kye Yak See** *APEMC 2026 General Chair*
2:30pm	**WE-PM1-TC11-05** **Hybrid Modelling of the Transfer Impedance for Braided Cables in Electric Vehicles (#1571214829)** *Daniel Santiago Jimenez Novoa, Mostafa-Kamel Smail, Mohamed Bensetti, Lionel Pichon (Universite Paris-Saclay & GeePs Laboratory), Pascal Tremblay, Jean-François Hayau (ACOME)*	**14:55** **Frank Leferink** *VP, IEEE EMC Society*
2:50pm	**WE-PM1-TC11-06** **Comparative Analysis of Theory of Maxwellian Circuit and Transmission Line Super Theory (#1571231112)** *Yuhang Ji (Sichuan University[1]), Richard Xian-Ke Gao (Institute of High Performance Computing), Liping Yan[1], Xiang Zhao[1]*	**15:15** (Video Presentation) **James Drewniak** *Missouri S&T*

Technical Sessions – – Wednesday Afternoon, May 6, 2026 (PM2)

Rooms	Meeting Room 406	Meeting Room 407
03:50pm – 05:50pm	**TC-05 EMC Protection** *Chair(s): Ferran Silva, Yanping Zhou*	**TC-07 Aerospace EMC** *Chair(s): Hui Li, Robert Geise*
3:50pm	**WE-PM2-TC05-01** **High-Performance Common-Mode Noise Absorption Filter Integrating Cross-Type and Dumbbell DGS (#1571196405)** *Cheng-Yi Zhuang (National Taipei University of Technology), Ding-Bing Lin (National Taiwan University of Science and Technology)*	**WE-PM2-TC07-01** **Impact of Parasitics on EMI Performance of Magnetic Drive for Solid-State Marx Generator (#1571217712)** *Minghai Dong, Hui Li, Shan Yin, Jinshu Lin, Honglang Zhang, Chen Song, Yuhua Cheng (University of Electronic Science and Technology of China)*
4:10pm	**WE-PM2-TC05-02** **Analysis of FoF Gasket Parameters on SE: Flexible Use of H-t & SAE ARP 6248 Stripline Methods (#1571219957)** *Pavithrakrishnan Radhakrishnan (Oklahoma State University), Tim Claeys, Johan Catrysse, Davy Pissoort (KU Leuven Bruges Campus)*	**WE-PM2-TC07-02** **Mitigation of Mixed-Mode Conducted Emission in Interleaved Converters (#1571231335)** *Luo Siyong, Hui Li, Chuang Bi (University of Electronic Science and Technology of China)*
4:30pm	**WE-PM2-TC05-03** **Simulation and Analysis of Radio Frequency Interference of Digital Components in Wireless Communication Devices (#1571227947)** *T Ho, Y. Hsu, Y. Cheng (Feng Chia University), C. Chang (Bureau of Standards, Metrology and Inspection), Y. Ku (Taiwan Testing and Certification Center)*	**WE-PM2-TC07-03** **Shadowing Effects in Radar Applications and EMC Related Probability Considerations (#1571231566)** *Robert Geise (HTWK University of Applied Science Leipzig & Technische Universität Braunschweig)*
4:50pm	**WE-PM2-TC05-04** **Enhanced Integrated Common Mode Choke and Transformer with Twisted Winding for High-Speed Ethernet Applications (#1571230600)** *Jianquan Lou, Alpesh Bhobe, Haiwen Lu (CISCO)*	**WE-PM2-TC07-04** **EMI Performance Analysis of Interleaved Boost PFC Converter in Electric Propulsion (#1571231753)** *H. You, K. Xie, B. Tian (University of Electronic Science and Technology of China[1]), W. Wang (AoTian Technology (Beijing)), M. Dong[1], S. Yang[1]*
5:10pm	**WE-PM2-TC05-05** **Image-Transformation-Based Analysis of Transfer Impedance in Multi-Hollow-Shielded TWP Cable Configurations over Ultrawide Frequency Ranges (#1571231363)** *Oussama Gassab (Zhejiang University)*	**WE-PM2-TC07-05** **An Ich-Based Switching Loss Analysis for SiC MOSFET in Full-Bridge Inverters (#1571233876)** *Runze Mi, Guofei Teng, Wenjie Ma (Xi'an Aeronautics Computing Technique Research Institute, AVIC)*
5:30pm	**WE-PM2-TC05-06** **Prediction of MOSFETs Aging and Degradation Based on Conducted Electromagnetic Emissions (#1571231467)** *M. Bisht, A. Roc'h (Eindhoven University of Technology)*	**WE-PM2-TC07-06** **Hybrid EMI Filter Design for the AC-DC Power Converter System(#1571231700)** *Zongheng Yu, Yishun Zhou, Yitao Liu (Shenzhen University)*

Technical Sessions – – Wednesday Afternoon, May 6, 2026 (PM2)

Rooms	Meeting Room 410	Meeting Room 409
03:50pm – 05:50pm	**TC-14 AI in EMC** ***Chair(s): Bernd Deutschmann, Tianyu Gao***	**APEMC @ 20** ***Chair(s): En-Xiao Liu***
3:50pm	**WE-PM2-TC14-01** **A Machine Learning-Based Approach for Predicting the Electromagnetic Protection of Energy-Selective Surfaces (#1571227825)** *Ankang Jiang, JinJing Ren, Xiang Zhou (Southeast University)*	**Er-Ping Li's Two-decade Journey with APEMC—in Pursuit of Harmony, Compatibility, and Excellence** **15:50 Vignesh Rajamani** *Past IEEE EMCS President*
4:10pm	**WE-PM2-TC14-02** **An Improved Pattern-Based Analytical Method for Power Distribution Network Modeling (#1571231143)** *Li Jiang, Ling Zhang, Junjie Ren, Keyi Ding, Er-Ping Li (Zhejiang University)*	**16:10 Jianqing Wang** *APEMC ISC Chair* **16:30 Richard Gao** *General Co-chair of APEMC 2026*
4:30pm	**WE-PM2-TC14-03** **Surrogate Modeling and Sensitivity Analysis on Conducted Emission of a Buck Converter (#1571228523)** *Jan Eberl, Ko Odreitz, Bernd Deutschmann (Graz University of Technology)*	**16:50 Hanzhi Ma** *Zhejiang University*
4:50pm	**WE-PM2-TC14-04** **Optimizing Active EMI Filters with a Genetic Algorithm (#1571228320)** *Qidong Bao and Xiangyu Meng (Zhejiang University), Anfeng Huang (DeTooLIC Technology Co.), Xinglin Sun (Zhejiang University)*	**17:10 Jose Schutt-Aine** UIUC **17:30 En-Xiao Liu** *TPC Co-Chair of APEMC 2026*
5:10pm	**WE-PM2-TC14-05** **A Reconfigurable Frequency-Selective Surface Capable of Switching Between Absorption and Transmission Modes(#1571229694)** *Pei Zhang, Da Li, Er-Ping Li (Zhejiang University)*	**17:50** Closing

Poster Presentation Session 1 – – Wednesday Afternoon, May 6, 2026

Venue	Foyer @ Level 3	Foyer @ Level 3
	Chair(s): Ziliang Liu	
01:30pm - 05:50pm	**WE-PPS01-01** **A Compact Flower-Shaped UWB Textile Antenna for BioMedical Application (#1571250335)** *Razveen Kashif (University of Wollongong in Dubai[1]), Ayesha Wasim Qureshi (University of Wollongong in Dubai & Universiti Malaysia Perlis), Abeer Mohamed Elkhouly and Mohd Fareq Abd Malek[1], Hasliza ARahim (Universiti Malaysia Perlis & Advanced Communication Engineering, Centre of Excellence (ACE))*	**WE-PPS01-02** **Compact Dual-Band Metasensor with Enhanced Sensitivity for Pathogenic Bacteria Detection (#1571231775)** *Sri Deepika Aishwarya Lakshmi Vudattu , Bappadittya Roy (VIT-AP University), V Jaya Prakash (PSCMR College of Engineering & Technology), K B S Sri Nagini (Siddhartha Academy of Higher Education)*
	WE-PPS01-03 **Enhanced Probe Calibration with Area-Averaging Effects for Accurate near-Field Scanning (#1571248062)** *Mohd Hafiz Baharuddin, Mohamad Yafik Ihtisyam Yazid and Mohammad Tariqul Islam (Universiti Kebangsaan Malaysia); Yuan Zhao (Chengdu University of Information Technology)*	**WE-PPS01-04** **A Compact Cross-Symmetric UWB Textile Antenna for Breast Cancer Detection (#1571246514)** *Ayesha Wasim Qureshi (University of Wollongong in Dubai & Universiti Malaysia Perlis), Hasliza ARahim (Universiti Malaysia Perlis & Advanced Communication Engineering, Centre of Excellence (ACE)), Allan Melvin Andrew (Universiti Malaysia Perlis), Mohd Fareq Abd Malek (University of Wollongong in Dubai)*
	WE-PPS01-05 **Analysis of Energy Conversion in a Solar Panel Based Hydroponic Pump System: A Systematic Literature Review (#1571234539)** *Aulia Rahmi Dalimunte (Universitas Diponegoro)*	**WE-PPS01-06** **Signal Integrity Optimization for Redistribution Layer Design Using Reinforcement Learning (#1571230916)** *Haoran Jing, Yan Li (China Jiliang University), Er-Ping Li (Zhejiang University)*
	WE-PPS01-07 **A Comprehensive Study of Electromagnetic Interception and Information Reconstruction from Digital Displays (#1571232999)** *Mingke Yang, Huamin Jie, Zhen Tao, Ruyue He, Kye Yak See (Nanyang Technological University)*	**WE-PPS01-08** **Refractive Index Sensing Performance Investigation of Division-Sign-Shaped All-Dielectric Metasurfaces (#1571232939)** *C Xiangke, Qingguo Du, Qin FU (Wuhan University of Technology)*

Venue	Foyer @ Level 3	Foyer @ Level 3
	Chair(s): Ziliang Liu	
01:30pm - 05:50pm	**WE-PPS01-09** **An Ultra-Wideband Microstrip MIMO Antenna with EBG Loading for WLAN and Sub-6G Applications (#1571231719)** *Adel Omrani, Hamzekalaei (Karlsruhe Institute of Technology), Sajjad Sadeghi*	**WE-PPS01-10** **Refractive Index Sensing of Asymmetric Tetramer Metasurface Based on Quasi-Bound States in the Continuum (#1571231905)** *Qingguo Du (Wuhan University of Technology)*
	WE-PPS01-11 **Electromagnetic Radiated Power from Wearable Electronics in a Reverberation Chamber (#1571231890)** *Federico Cozzolino (University of Roma La Sapienza[1]), Fabrizio Marra (Sapienza University of Rome), Alessio Tamburrano, Maria Sabrina Sarto[1]*	**WE-PPS01-12** **Uncertainty Evaluation of Calibration Factor for Magnetic Field Probe Under Microstrip Line (#1571228306)** *Zhangqiang Ma, Zhaowen Yan, Siyuan Ma, Kunkun Hu, Jianhao Ge (Beihang University, China)*
	WE-PPS01-13 **Investigation on the Coupling Effect of High Power Microwave Pulse on Different Types of UAV (#1571224624)** *Min Zhao (National Key Laboratory on Electromagnetic Environment Effects, Army Engineering University), Yazhou Chen (National Key Laboratory on Electromagnetic Environment Effects), Hengyi Lv, Yaobei Wang, Chengliang Dou (Army Engineering University)*	**WE-PPS01-14** **An Improved Genetic Algorithm with Quantum Selection for Electromagnetic Optimization (#1571231405)** *Gabriel Felipe Martinez, Eleonora L. Zich and Riccardo Enrico Zich (Politecnico di Milano)*
	WE-PPS01-15 **Multi-User Low Interference near-Field Access Enabled by Spatially Converging Multi-Mode Vortex Waves Aided by Meta-Surface (#1571227153)** *Yufei Zhao (Nanyang Technological University), Qingyang Yu, Zhenyu Zhao (National University of Singapore)*	

Overview of Technical Program on 07 May, 2026 (Thursday)

Color codes: *Workshops (WS)* | *Tutorials (TT)* | *Special Sessions (SS)* | *Technical Sessions (TC)* | *Keynotes* | *Poster Presentation Session* | *Best Student Paper Presentation Session*

Date	Time		Meeting Room 406 Level 4	Meeting Room 407 Level 4	Meeting Room 410 Level 4	Meeting Room 409 Level 4	Exhibition @ Conference Hall 1
May 07 (Thu)	08:40am-10:20am	AM-1	TC-16 Antenna	TC-06 Transport EMC	TC-10 SIPI	SS-04 EM Measurement-Computation	Poster Presentation Session 2 @ Foyer
	10:20am-10:40am		*Tea Break @ Exhibition Hall, Conference Hall 1, Level 3*				
	10:40am-12:20pm	AM-2	TC-16 Antenna	TC-03 Lightning	TC-11 CEM	TC-02 EMC Measurement	Poster Presentation Session 2 @ Foyer
	12:20pm-01:30pm		*Lunch @ Conference Hall 2, Level 3*				
	01:30pm-03:30pm	PM-1	SS-01 Power EMC	TC-15 Wireless Comm.	[WS 7] Near-Field EMC	SS-09 Complex Environment EMC	Poster Presentation Session 3 @ Foyer
	03:30pm-03:50pm		*Tea Break @ Exhibition Hall, Conference Hall 1, Level 3*				
	03:50pm-05:50pm	PM-2	TC-04 HPEM / TC-05 EMC Protection	TC-13 Nano EMC	SS-11 Sensor EMC	SS-06 RF/Microwave Sensors	Poster Presentation Session 3 @ Foyer
	06:30pm		**------- The End ----------**				

Technical Sessions – – Thursday Morning, May 7, 2026 (AM1)

Rooms	Meeting Room 406	Meeting Room 407
08:40am – 10:20am	**TC-16 Antenna** *Chair(s): Vignesh Rajamani, Eng Hock Lim*	**TC-06 Transport EMC** *Chair(s): Daryl Beetner, Han Zhang*
8:40am	**TH-AM1-TC16-01** **Microwave Characterisation of Sugar-Water Phantoms for AI-Based Pineapple Ripeness Prediction (#1571231713)** *Ku Xin Yan, Kim Yee Lee, Eng Hock Lim (Universiti Tunku Abdul Rahman)*	**TU-AM1-TC07-01** **Wideband Impedance Prediction of Single-Layer Common-Mode Chokes Using Resonance-Frequency-Aware Neural Network (#1571231127)** *Zhang Han, En-Xiao Liu, Zhenyu Zhao (National University of Singapore)*
9:00am	**TH-AM1-TC16-02** **Antenna's Performance in Microwave Imaging of Stratified Media (#1571231716)** *Adel Omrani, Hamzekalaei (Karlsruhe Institute of Technology), Sajjad Sadeghi (Graz)*	**TU-AM1-TC07-02** **A Unified Wideband Analytical Model for Single-Layer Common-Mode Chokes (#1571230884)** **BEST STUDENT PAPER FINALIST** *Zhang Han, En-Xiao Liu, Zhenyu Zhao (National University of Singapore)*
9:20am	**TH-AM1-TC16-03** **Dual-Band Textile Antenna with Electromagnetic Bandgap (#1571231854)** *Wing-Sum Choong, Pei Song Chee, Eng Hock Lim, Jen Hahn Low (Universiti Tunku Abdul Rahman)*	**TU-AM1-TC06-01** **Using Machine Learning Algorithms for Classifying Electromagnetic Interference in Track Lines (#1571228438)** *Tetiana Serdiuk, Maksym Serchenko, Volodymyr Profatylov, Artem Smirnov (Ukrainian State University of Science and Technologies)*
9:40am	**TH-AM1-TC16-04** **Low Sidelobe Adaptive Beamforming Based on Manta Ray Foraging Optimization (#1571231078)** *Yifan Wu (Nanjing University of Science and Technology[1]), Yan Zhao (Jilin Jiangji Special Industries Co., Ltd.), Xiaolang Shao (Eight Five One One Research Institute of China Aerospace Science and Industry), Li Wu[1], Taiyang Hu[1] and Zelong Xiao[1]*	**TU-AM1-TC06-02** **Virtual and Experimental Assessment of Connector Shielding in Coaxial Cable Assemblies Using Bulk Current Injection (#1571228446)** *Manuel Mikschl, Reinhard Stolle (Technical University of Applied Sciences Augsburg)*
10:00am	**TH-AM1-TC16-05** **Compact Cavity-Backed Slot Antenna with Filtering Response and Circuit-Noise Suppression (#1571231733)** *Zhiyang Qi, Da Yi, Si-Yu Long, Shijun Dong, Jia-Qi He, Ming-Chun Tang (Chongqing University)*	**TU-AM1-TC06-03** **Study of the Possibility of Using Filters with Nanocrystalline Cores in Railway Automation Devices (#1571232183)** *Tetiana Serdiuk, Maksym Serchenko, Alina Kaira (Ukrainian State University of Science and Technologies)*

Technical Sessions – – Thursday Morning, May 7, 2026 (AM1)

Rooms	Meeting Room 410	Meeting Room 409
08:40am – 10:20am	**TC-10 SIPI** *Chair(s): Cheng-Yi Zhuang, Jiseong Kim*	**[SS-04] EM Measurement-Computation** *Chair(s): Zhong Chen, Jinjing Ren*
8:40am	**TH-AM1-TC10-01** **Novel Parallel Coupled Microstrip Line-Based Transition Structure Design in Narrow-Band SIW Filter Integration (#1571223870)** *Haojie Wu and Jiankan Weng (Zhejiang University), Yin Sun (DeTooLIC Technology Co.), Xinglin Sun (Zhejiang University)*	**TH-AM1-SS04-01** **Efficient Inductance Extraction of Planar Rectangular Spiral Coils Based on PEEC Method (#1571233193)** *Shengyan Jin, Anfu Guo, Linsong Huang, Yangzheng Yuan, Huapeng Zhao (University of Electronic Science and Technology of China)*
9:00am	**TH-AM1-TC10-02** **Connector via Design and Optimization for Differential Signaling 224Gbps (#1571227680)** *Shitao Liu, Xindan Zhang, Yu Bi (ZTE Corporation)*	**TH-AM1-SS04-02** **A Broadband Scattering Metasurface Design for Reverberation Chamber Stirrers (#1571231443)** *P. Chen, S. Zhang, B. Zhang (Chengdu University of Information Technology[1]), Q. Cai (Southwest University of Science and Technology), Y. Zhang (AVIC Chengdu Aircraft Industrial Co., Ltd.), Y. Zhao[1]*
9:20am	**TH-AM1-TC10-03** **Data-Driven Jitter Estimation in PLL-to-HBM3E Chip-Level Clock Path (#1571227835)** **BEST STUDENT PAPER FINALIST** *Taeho Park, Soyoung Kim (Sungkyunkwan University)*	**TH-AM1-SS04-03** **Field Uniformity Verification and Immunity Testing Based on Small-Size TEM Cell (#1571231747)** *Chenzhiheng Cao (Zhejiang University), Richard Xian-Ke Gao (Institute of High Performance Computing), Xing-Chang Wei (Zhejiang University)*
9:40am	**TH-AM1-TC10-04** **Power/Ground Noise Characterization and Mitigation in Fully Integrated Voltage Regulator (FIVR)-Based UFS System with Embedded Inductor (#1571228427)** *Hyunwoo Kim, Sanguk Lee, Seunghun Ryu, Jinwook Lee (Korea Advanced Institute of Science and Technology[1]), Jongwook Kim, Minsoon Hwang, Jaekwan Kwon and Dongsop Lee (SK Hynix), Jiseong Kim[1], Seungyoung Ahn[1]*	**TH-AM1-SS04-04** **Design of Two-Probe Inductively Coupled Impedance Measurement Setup Using AD8302 (#1571228157)** *Yexin Xing (Changzhou Vocational Institute of Engineering), Zhenyu Zhao (National University of Singapore)*
10:00am	**TH-AM1-TC10-05** **Prediction of Far-Field Radiated Patterns Based on near-Field Measurements (#1571228314)** *Wenjin Zhu, Jianwei Wang, Zheng Cheng (Civil Aviation University of China)*	**TH-AM1-SS04-05** **Fault Diagnosis of Communication Systems Based on Multi-Scale Feature Fusion and Neural Spline Flow (#1571228424)** *Jianchao Li, Shuning Zhang, Linsheng Hou, Si Chen (Nanjing University of Science and Technology[1])*

Technical Sessions – – Thursday Morning, May 7, 2026 (AM2)

Rooms	Meeting Room 406	Meeting Room 407
10:40am – 12:20pm	**TC-16 Antenna** *Chair(s): Hideaki Sone, Wei Yan*	**TC-03 Lightning** *Chair(s): Weidong Zhang, Takeshi Morimoto*
10:40am	**TH-AM2-TC16-01** **A Compact K-Band Reconfigurable Pixel Antenna Enabled by a Voltage-Controlled Graphene Attenuator (#1571228178)** *Tingyu Sheng, Binjie Xu, Taiyang Hu, Zelong Xiao, Yuankun Wu (Nanjing University of Science and Technology)*	**TH-AM2-TC03-01** **Influence of Output Cable Length on Pulse Shape in Unified Output Intense EMP Generator (#1571228946)** *Yongzhe Wei, Shikuan Liu, Zhongyuan Zhou, Yinxiang Jin (Southeast University)*
11:00am	**TH-AM2-TC16-02** **Targets Trajectory Prediction in NLOS Environments Based on TDOA and Interacting Multiple Model Robust Extended Kalman Filtering (#1571228410)** *Yuankun Wu, Taiyang Hu, Zelong Xiao, Wen Xue, Yifan Wu, Luogang Xu (Nanjing University of Science and Technology)*	**TH-AM2-TC03-02** **Optimization and Validation of PCB Trace Pulse Fusing Characteristics via BPSO Algorithm (#1571228095)** *Yaogen Li , Chengjie Li, Yinxiang Jin, Zhongyuan Zhou, Jinjing Ren, Guihua Wang (Southeast University)*
11:20am	**TH-AM2-TC16-03** **A Star-Shaped Decoupling and Matching Network (#1571224238)** *Wenqi Fan, Qi Wu (Beihang University)*	**TH-AM2-TC03-03** **SA-PEEC Modeling of Indirect Lightning Effects on an Aircraft Nacelle (#1571228130)** *Danica Cvetkovic, Arthur Piat (Safran Tech), Lionel Pichon, Pierre-Etienne Lévy (Université de Paris-Saclay)*
11:40am	**TH-AM2-TC16-04** **Design of Broadband Low-RCS Conical Beam Antenna Based on a PB-Phase Coding Metasurface (#1571231449)** *Feixue Wu, Bingli Wang, Ran Gao, Li Wu, Taiyang Hu, Zelong Xiao (Nanjing University of Science and Technology)*	**TH-AM2-TC03-04** **Evaluation of IBD and TBU Architectures for Transient Suppression in Pin Injection Testing (#1571229649)** *Osman Gurlevik, Yasin Ozkan, Osman Sen, Ugur Yanik, Mustafa Oguzhan Sacma, Firat Karatas (ASELSAN)*
12:00pm	**TH-AM2-TC16-05** **Broadband Transmissive Unit Cell Inverse Design Based on a Generative Adversarial Network with Equivalent Circuit Parameters as a Condition (#1571231706)** *Yanqiu Jia, Eng Leong Tan, Andi Ding (Nanyang Technological University), Theng Huat Gan, Cedric W. L. Lee (National University of Singapore)*	**TH-AM2-TC03-05** **A Comprehensive Lightning Monitoring System Deployed in a Tropical Hotspot: Initial Insights into Thundercloud Electrification and Lightning (#1571231468)** *Takeshi Morimoto (KINDAI University), Mohd Riduan Ahmad (Universiti Teknikal Malaysia Melaka & Centre of Technology for Disaster Risk Reduction), Mohd Zafri Baharuddin (Universiti Tenaga Nasional), Yuji Takayanagi, Muhammad Haziq Mohammad Sabri (KINDAI University)*

Technical Sessions – – Thursday Morning, May 7, 2026 (AM2)

Rooms	Meeting Room 410	Meeting Room 409
10:40am – 12:20pm	**TC-11 CEM** *Chair(s): Pei Xiao, Yuhang Ji*	**TC-02 EMC Measurement** *Chair(s): Shinobu Ishigami, Liang Tao*
10:40am	**TH-AM2-TC11-01** **A Generalized High-Frequency Transmission Line Network Formulation for Heterogeneous Electronic Systems (#1571231115)** *Yuhang Ji (Sichuan University), Richard Xian-Ke Gao (Institute of High Performance Computing), Liping Yan, Xiang Zhao (Sichuan University)*	**TH-AM2-TC02-01** **FFTs in EMI Receivers: Transforming EMC Compliance Testing (#1571231329)** *Wong Sook Hua, Kuo Yuan Tye, Bill Koerner, PE (Keysight Technologies)*
11:00am	**TH-AM2-TC11-02** **Study on Field Distribution Characterization Techniques for a Cabin in the Undermoded (#1571231355)** *Chenyu Lin, Zhongyuan Zhou (Southeast University), Peng Hu (Nanjing University of Aeronautics and Astronautics)*	**TH-AM2-TC02-02** **Emission Measurement of Inverter and Induction Motor Using Active E-Field Antenna System(#1571229688)** *Yuma Otomo (Tohoku Gakuin University & Graduate School), Shinobu Ishigami, Ken Kawamata (Tohoku Gakuin University)*
11:20am	**TH-AM2-TC11-03** **FMCW LiDAR Data Generation in Obscurants via Hybrid Semi-Analytical Monte Carlo Simulation (#1571231511)** *Hu Yanming (Nanjing University of Science and Technology), Xiaolang Shao (Eight Five One One Research Institute of China Aerospace Science and Industry), Yuankun Wu, Taiyang Hu, Zelong Xiao, Jinyu Zhang (Nanjing University of Science and Technology)*	**TH-AM2-TC02-03** **Experimental Demonstration of Long-Line Crosstalk Injection for Equivalent Pulsed RS Test (#1571229705)** *Liang Tao (Xi'an Jiaotong University)*
11:40am	**TH-AM2-TC11-04** **Adjoint-Based Inverse Design and Experimental Demonstration of near-Field Focusing Electromagnetic Structures (#1571231578)** *Xiaoyu Yao, Wei E. I. Sha (Zhejiang University)*	**TH-AM2-TC02-04** **Effect of Temperature on the Reflectivity Measurement of Ferrite Tiles Using a Low-Frequency Coaxial Method (#1571228495)** *Lixiang Wang, Zhongyuan Zhou, Shenhui Jing, Dezeng Bu (Southeast University)*
12:00pm	**TH-AM2-TC11-05** **Analysis of Mesh-Deformed Structure with Sub-Domain Integral Equation (#1571233212)** *Zi-Liang Liu*	**TH-AM2-TC02-05** **Characterization and Reduction of Electromagnetic Emission Due to Simultaneous Switching Noise (#1571231434)** *Michael Kleinschuster (Technische Universität Graz); Marco Pfeifer, Bernd Deutschmann (Graz University of Technology)*

Technical Sessions – – Thursday Afternoon, May 7, 2026 (PM1)

Rooms	Meeting Room 406	Meeting Room 407
01:30pm – 03:30pm	**[SS-01] Power EMC** *Chair(s): Zhen Tao, Mingke Yang*	**TC-15 Wireless Comm.** *Chair(s): Jianquan Lou, Hanzhi Ma*
1:30pm	**TH-PM1-SS01-01** **Semi-Analytical Modeling of Parasitic Capacitances in Planar Inductors (#1571227323)** *Ruyue He, Huamin Jie, Zhen Tao and Mingke Yang (Nanyang Technological University[1]), Changdong Wang (Harbin Institute of Technology), Kye Yak See[1]*	**TH-PM1-TC15-01** **JOVISP-ABF: A Low-Sidelobe Adaptive Beamforming Method Based on Joint Optimization of Virtual Interference Source Positions and Power (#1571231103)** *Luogang Xu (NUST[1]), Yan Zhao (Jilin Jiangji Special Industries Co., Ltd.[2]), Yuankun Wu[1], Taiyang Hu[1], Zelong Xiao[1], Jinyu Zhang[1]*
1:50pm	**TH-PM1-SS01-02** **Analysis of Electromagnetic Pulse Radiation Immunity of Power Sensors (#1571231563)** *Yihao Chen, Wei-dong Zhang, Guangxiao Luo (North China Electric Power University)*	**TH-PM1-TC15-02** **An Example of the Use of EMC Absorbing Materials to Eliminate Interference in the Operation of Automatic Identification Systems (#1571227460)** *K. Sieczkarek, T. Warzynski (Lukasiewicz - Poznan Institute of Technology), A. Mackowiak (Institute of Logistics and Warehousing)*
2:10pm	**TH-PM1-SS01-03** **Research on the Conduction Path Topology of Bearing Current for PMSM Considering Stray Inductance (#1571231184)** *Tianrui Fang, Xu Han, Shanhu Li, Yourui Tao (Hebei University of Technology, China)*	**TH-PM1-TC15-03** **Evolutionary Optimization of Underwater Drone Swarm Formation for Reliable Communication (#1571227901)** *E. L. Zich, G. F. Martinez (Politecnico di Milano[1]), F. P. Napoleone (Université de Toulouse - Paul Sabatier), N. Simonov (Università di Pisa), R. E. Zich[1]*
2:30pm	**TH-PM1-SS01-04** **Research on ANN Prediction Method for Resonance Characteristics of Piezoelectric Ceramics (#1571225763)** *Xinyi Liu, Wen Sun, Shuo Dong, Wei Yan, Yang Zhao, Mengxia Zhou (Nanjing Normal University)*	**TH-PM1-TC15-04** **Non-Volatile Memristor-Based Multi-Bit RIS for Zero-Static-Power Electromagnetic Manipulation (#1571230943)** *Jiang Yining, Hanzhi Ma, Yuhao Xu, Jiarui Qiu, Pei Zhang, Luo Wei-kai (Zhejiang University), Haohui Long (Huawei Device Co., Ltd.), Er-Ping Li (Zhejiang University)*
2:50pm	**TH-PM1-SS01-05** **Prototype Development and Performance Analysis of Novel Electromagnetic Interference Filtering Inductors with Flexible PCB Winding (#1571232998)** *Huamin Jie, Ruyue He, Zhen Tao, Mingke Yang, Kye Yak See (Nanyang Technological University)*	**TH-PM1-TC15-05** **A Multi-Band Wavelet Framework for HDMI Display Information Reconstruction Using Electromagnetic Signal (#1571230525)** *Mingke Yang, Huamin Jie, Zhen Tao, Ruyue He, Kye Yak See (Nanyang Technological University)*

Technical Sessions – – Thursday Afternoon, May 7, 2026 (PM1)

Rooms	Meeting Room 410	Meeting Room 409
01:30pm – 03:30pm	**Workshop/Tutorial 07** *Chair(s): Cheng Yang*	**[SS-09] Complex Environment EMC** *Chair(s): Wenjun Qi, Xinglin Sun*
1:30pm	**Near-Field EMC Measurement: From Probe Design to Field Scanning** **Calibration and ESD measurement application of simple transient field probes** *Prof. Guangxiao Luo, North China Electric Power University*	**TH-PM1-SS09-01** **Research on Radar Complex Target Recognition in Complex Electromagnetic Environments (#1571227932)** *Yingying Luo (Nanjing University of Science and Technology[1]), Shuning Zhang[1], Si Chen[1], Wenqian Xie[1], Qinyi Ding[1], Tongxi Deng[1]*
1:50pm	**Practical EMI Measurements and EMI Probes Designs** *Prof. Xingchang Wei, Zhejiang University* **Portable Robotic EMF Scanner Enabling Near-Field Image Acquisition in Minutes** *Dr. Cheng Yang, Hamburg University of Technology*	**TH-PM1-SS09-02** **Exposing Hidden EMC Issues in Vehicles Using Complex Signal Playback in a Reverberation Chamber (#1571229610)** *W. Qi, Q. Ye, Y. Wang (Hohai University), Y. Zhao, Q. Xu (Nanjing University of Aeronautics and Astronautics)*
2:10pm		**TH-PM1-SS09-03** **A Novel Integrated Antenna-Absorber Structure for Noise Suppression (#1571230340)** *Chao-Chin Xu, Chung-Hao Huang (Chung Yuan Christian University), Kuan-Hsueh Tseng, Chen-Kun Yang (Micro-Star INTL CO. LTD)*
2:30pm		**TH-PM1-SS09-04** **Statistics Analysis for Shielding Effectiveness Measurement of Enclosures Using Reverberation Chamber (#1571231574)** *Yukun Wang, Wenjun Qi (Hohai University)*
2:50pm		**TH-PM1-SS09-05** **3D Modelling and Simulation of near-End and Far-End Crosstalk on Stripline Structure (#1571231612)** *Novelita Rahayu, Tri Desmana Rachmildha (Institut Teknologi Bandung[1]), Levy Olivia Nur (Telkom University), Achmad Munir[1]*
3:10pm		**TH-PM1-SS09-06** **Design and Validation of an Open TEM Cell for Electro-Optic Probe Calibration (#1571231790)** *W. Xia, F. Tian (Nanjing University of Aeronautics and Astronautics[1]), B. peng (Beijing Radio Measurement Testing Institute), L. Wang[1], L. Xing[1], Q. Xu[1]*

Technical Sessions – – Thursday Afternoon, May 7, 2026 (PM2)

Rooms	Meeting Room 406	Meeting Room 407
03:50pm – 05:50pm	**TC-04 HPEM /TC-05 EMC Protection** ***Chair(s): Guangxiao Luo, Zhenyu Zhao***	**TC-13 Nano EMC** ***Chair(s): Cheng Yang, Xingchang Wei***
3:50pm	**TH-PM2-TC04-01** **Analysis of Diode Junction Temperature Under High-Power Microwave Injection Conditions (#1571231757)** *Wang Jin, Zhongyuan Zhou, Haichun Wang, JinJing Ren, Guihua Wang (Southeast University)*	**TH-PM2-TC13-01** **Optically Transparent Ultra-Wideband Frequency Selective Surface Absorber Enabled by Cascaded Complementary ITO Resonators (#1571231746)** *C. Zhang, Y. Ji, L. Tang, X. Zhao, Y. Zhou (Sichuan University[1]), R. X. K. Gao (IHPC), L. Yan[1]*
4:10pm	**TH-PM2-TC05-01** **Analysis of Overvoltage in 500kVGIL Overhead Line Operation (#1571227838)** *Luo Haoyun, Huang Qi, Haotian Shi, Yuyu Zhu (Southwest University of Science and Technology)*	**TH-PM2-TC13-02** **Prediction of Shielding Effectiveness in Graphene Composites Based on Microstructural Characteristics (#1571231286)** *S. Wang, Z. Zhou (Southeast University[1]), J. Yang and J. Xiong (Academy of Military Science), S. Tang, S. Jing[1]*
4:30pm	**TH-PM2-TC05-02** **A Multidimensional QMU Framework for Electromagnetic Vulnerability Under Multi-Feature Stresses (#1571231770)** *Chicheng Liu (Tsinghua University), Cui Meng (Zhejiang University)*	**TH-PM2-TC13-03** **An Electromagnetic Wave Absorber with a Period Larger than the Wavelength (#1571231552)** *Hiroyuki Nomoto (Sekisui Chemical Co., Ltd.)*
4:50pm		**TH-PM2-TC13-04** **Knowledge-Aided Automated Analysis of Dielectric Loss Mechanism for Microwave Absorption (#1571245573)** *Y. Li, Y. Zhou, H. Zhu, Y. Yang, K. Yin (Sichuan University), F. Yang (Chengdu University of Technology)*
5:10pm		**TH-PM2-TC13-05** **Lightweight Broadband Electromagnetic-Wave-Absorbing Lattice Structures (#1571231751)** *Mengyue Peng, Wentao Yan, Yang Yong (NUS)*
5:30pm		

Technical Sessions – – Thursday Afternoon, May 7, 2026 (PM2)

Rooms	Meeting Room 410	Meeting Room 409
03:50pm – 05:50pm	**[SS-11] Sensor EMC** *Chair(s): Shuzhi Song, Yifei Chen*	**[SS-06] RF/Microwave Sensors** *Chair(s): Yan Li, Siyuan Li*
3:50pm	**TH-PM2-SS11-01** **Experimental Comparative Analysis of EMI Suppression Methods Between SMA-OIS Actuator and CMOS Image Sensor (#1571232867)** *Fengqiang Bai (Harbin Institute of Technology)*	**TH-PM2-SS06-01** **An Adaptive Constraint Model for Magnetic Anomaly Inversion in Low-Magnetic Rocks (#1571231370)** *Z. Feng, G. Zhou, Y. Liu, L. Tang, H. Wen, L. Liu (Naval University of Engineering)*
4:10pm	**TH-PM2-SS11-02** **Electromagnetic Environment Aware Quality Assessment for CT Images via Structured Artifact (#1571232869)** *W. Zhang (Karolinska Institute[1]), J. Liu (HIT[1]), D. Wang (Qingdao University of Technology), Z. Cong (Shanghai STEP Robotics Co., Ltd.), J. Wang (Taiyuan University of Technology), Y. Sun[1], W. Cui, S. Li[1]*	**TH-PM2-SS06-02** **TriGaze360: A Three-Branch Viewport-Aware Network for Stereoscopic Omnidirectional Image Quality Assessment (#1571233292)** *Tong Li, Qiongyao Cao (Dalian Maritime University[1]), Ke Sun (North Navigation Control Technology Co., Ltd.), Zhaolin Wan (HIT), Zhiyang Li[1]*
4:30pm	**TH-PM2-SS11-03** **Efficient Modeling of Indoor Electromagnetic Signal Propagation in NLOS Environments Using a Gated MLP (#1571232901)** *Y. Huang (NEAU[1]), J. Liu (HIT[2]), J. Huang (PKU Shenzhen), J. Guo, Y. Zhang, Y. Wu[1]; Z. Li (HNU), W. Cui[2]; D. Wang (QUT), W. Zhang (Karolinska Institute), S. Li[2]*	**TH-PM2-SS06-03** **Simulation of AUV Magnetic Interference Parameter Identification Based on Geomagnetic Simulation and L-SHADE Optimization (#1571231376)** *Haodong Wen, Guohua Zhou, Kena Wu, Zhixiang Feng, Liezheng Tang (Naval University of Engineering)*
4:50pm	**TH-PM2-SS11-04** **Hierarchical Hybrid-Domain Suppression of EMI in PA/US Endoscopic Imaging (#1571233503)** **BEST STUDENT PAPER FINALIST** *Dongjian Wu, Kaicheng Yu, Haokun Zhang, Hongyang Zhao, Yifei Chen, Mingjian Sun (HIT)*	
5:10pm	**TH-PM2-SS11-05** **System-Aware Modeling and Suppression of Electromagnetic Interference in Photoacoustic Microscopy Systems (#1571234995)** *Y. Chen (HIT), S. Song (Northeast Forest University)*	
5:30pm	**TH-PM2-SS11-06** **Parameter Optimization of a Predefined-Time Consensus Control Protocol via Deep Reinforcement Learning (#1571235034)** *S. Song (Northeast Forest University[1]), Y. Chen (HIT), Y. Yang (Hong Kong Polytechnic University), X. Li[1]*	

Poster Presentation Session 2 – – Thursday Morning, May 7, 2026

Venue	Foyer @ Level 3	Foyer @ Level 3
	Chair(s): Ziliang Liu	
08:40am - 12:20pm	**TH-PPS02-01** **Simulation Analysis on Applicability and Measurement Accuracy of the Reverberation Chamber Method for Radiated Immunity Testing (#1571231655)** *Akiya Sonoda, Takahiro Aoyagi (Institute of Science Tokyo)*	**TH-PPS02-02** **Bending Impact on Radiation Performances of Coating-Based Wearable Textile Antenna (#1571231617)** *Muhammad Farhan Maulana, Yus Natali Suprapto, Rizki Surya Permana (Telkom University), Fakhruddin Ahmad Nasution (Institut Teknologi Bandung[1]); Rheyuniarto Sahlendar Asthan (Institut Teknologi Sumatera & Institut Teknologi Bandung) Achmad Munir[1]*
	TH-PPS02-03 **Experimental Measurement of Magnetic Flux Exposure on Dielectric Material Structure (#1571231618)** *R. Asthan, J. Haidi (Institut Teknologi Bandung[1]), B. Syihabuddin, L. Nur, M. Maulana (Telkom University), A. Munir[1]*	**TH-PPS02-04** **tACS Modulation of Cortical Rhythms and Interregional Information Coordination in Stroke: An EEG Study (#1571228403)** *Yujia Wei, Yuqing Liu, Guizhi Xu (Hebei University of Technology)*
	TH-PPS02-05 **An Ultra-Wideband Wide-Angle Scanning Tightly Coupled Dipole Array (#1571231465)** *Qingyang Yu, Zhenyu Zhao, Theng Huat Gan (National University of Singapore)*	**TH-PPS02-06** **Analysis of Factors Influencing Current Probe Injection Equivalent Model Parameters (#1571231403)** *Shuai Yang, Xiang Zhou (Southeast University)*
	TH-PPS02-07 **A Light-Driven 4D Reconfigurable Metasurface with anti-Electromagnetic Interference Capability (#1571231130)** *Boyang Qian, Theng Huat Gan, Zhenyu Zhao (National University of Singapore)*	**TH-PPS02-08** **A Novel Design of Differential Dual-Polarized Filtering Dielectric Resonator Antenna (#1571230685)** *Guang Yang, Min Tang (Shanghai Jiao Tong University)*

Rooms	Foyer @ Level 3	Foyer @ Level 3
	Chair(s): Ziliang Liu	
08:40am - 12:20pm	**TH-PPS02-09** **Photonics-Assisted Broadband Composite Vortex Fields for Complex Electromagnetic Environment Emulation and EMC Testing (#1571229387)** *Guanqun Sun (Nanjing Normal University)*	**TH-PPS02-10** **Sandwiched Plasmonic Metasurface for Efficient Polarization Conversion (#1571229361)** *Song Sun (CAEP Microsystem and Terahertz Research Center), Qingguo Du (Wuhan University of Technology)*
	TH-PPS02-11 **Study on FEM Accuracy with Mesh Quality and Field Distribution (#1571228971)** *Xuan Lu, Jinbo Liu, Qingxin Guo, Zengrui Li (Communication University of China), Jiming Song (Iowa State University)*	**TH-PPS02-12** **Simulation of Magnetic Field Distribution in Power Lithium-Ion Batteries Under Dynamic SOC Levels (#1571228766)** *Zhen Tao (Nanyang Technological University[1]), Zhenyu Zhao (National University of Singapore, Singapore), Huamin Jie[1], Mingke Yang[1], Ruyue He[1], Kye Yak See[1]*
	TH-PPS02-13 **Noise-Robust Bearing Fault Diagnosis Based on a Dual-Branch Multi-Scale Deep Network (#1571234358)** *Lingyu Ma (Shandong Management University), Yiming Ma (HIT), Jiancheng Zhang (Qilu Normal University)*	

Poster Presentation Session 3 – – Thursday Afternoon, May 7, 2026

Rooms	Foyer @ Level 3	Foyer @ Level 3
	Chair(s): Ziliang Liu	
01:30pm - 05:50pm	**TH-PPS03-01** **Feasibility of Sequential Pattern Analysis for EMI Characterization (#1571228385)** *Seungyeon Lee, Honggyung Kim, Yongshik Lee (Yonsei University)*	**TH-PPS03-02** **Analysis of High-Speed Signal Transmission Characteristics of Lightning Protection Devices Based on Small-Signal Modeling (#1571228381)** *Zhiqiang Xie, Xiang Zhou, Li Yaogen, Zhongyuan Zhou (Southeast University)*
	TH-PPS03-03 **Experimental Evaluation of Q-Factor Consistency in a Transparent Reverberation Cavity (#1571228293)** *Takayuki Matsumuro, Susumu Ano and Satoru Shimizu (ATR), Toshikazu Sakano (Advanced Telecommunications Research Institute International), Hiroyuki Nomoto (Sekisui Chemical Co., Ltd. & High Performance Plastics Company), Shinjiro Fukuyama (Sekisui Chemical Co. Ltd.)*	**TH-PPS03-04** **A Miniaturized, Obliquely Stable, Bandpass Complementary Frequency Selective Surface (#1571228110)** *Che-Lun Yeh, Cheng-Nan Chiu (Yuan Ze University), Ming-Kun Hsieh, Liang-Yang Lin (Bureau of Standards, Metrology & Inspection), Yuan-Fu Ku (Taiwan Testing and Certification Center)*
	TH-PPS03-05 **Research on an Integrated Electromagnetic Pulse Protective Device for Telephone Lines (#1571227840)** *Congnian Wang, JinJing Ren, Li Yaogen, Zhongyuan Zhou, Mingjie Sheng (Southeast University)*	**TH-PPS03-06** **An Engineering-Feasible Low-Frequency Metamaterial Absorber for Improving EMC Performance of Driver Boards (#1571230889)** *Z. Wang, Y. Li (China Jiliang Uni.), Er-Ping Li (ZJU)*
	TH-PPS03-07 **Accurate Wideband Prediction of Filter Cable Unit via a Residual-Enhanced Low-Rank FNet (#1571227511)** *Qi Zou, Pei Xiao, Hao Ruan, Gaosheng Li (Hunan University)*	**TH-PPS03-08** **A Conjugate Gradient Wavenumber Domain Algorithm (CG-RMA) for Non-Uniform Sampling in Short-Range SAR Imaging (#1571227336)** *Puwen Xia, Zhikuo Li, Xiang Li, Zhanjian Liang, Ning Leng, Ming Bai (Beihang University)*

Rooms	Foyer @ Level 3	Foyer @ Level 3
	Chair(s): Ziliang Liu	
01:30pm - 05:50pm	**TH-PPS03-09** **Neural Network-Assisted Prediction of Parasitic Capacitances in Planar Inductors (#1571227328)** *Ruyue He, Huamin Jie, Zhen Tao and Mingke Yang , Zhenning Yang, Kye Yak See (Nanyang Technological University)*	**TH-PPS03-10** **Analysis of Radiation Characteristics of a Triple-Band Antenna Embedded in an Aircraft Wing Structure (#1571226572)** *Meng-Chen Wu, Sing-Han Li, Yi-Sheng Lin, Sheng-Kai Lan, Zhen-Hao Weng, Woei-Luen Huang, Yuan-Chang Hou (National Ilan University)*
	TH-PPS03-11 **A Microstrip Line-Fed Energy Selective Antenna Based on PIN Diodes for High-Power Protection (#1571231441)** *Rana Biswarup (Kongju National University[1]), Jong Hwa Kwon (ETRI), Ic-Pyo Hong[1]*	**TH-PPS03-12** **Ultra-Wideband CPW-Fed Monopole Antenna with Enhanced Impedance Matching and Phase Center Control for Smart Healthcare (#1571224229)** *Yih-Chien Chen, Chu-Chun Hsu, Che-Wen Li (LungHwa University of Science and Technology), Ming-Shan Lin (Bureau of Standards, Metrology & Inspection), Yuan-Fu Ku (Taiwan Testing and Certification Center)*
	TH-PPS03-13 **A Novel Method for Antenna Radiation Efficiency Measurement Based on Signal Correlation Coefficients (#1571216974)** *Yanwei Ye, Xiang Zhou, Haowen Yang (Southeast University)*	

APEMC – Shaping the EMC Future in the Region and Beyond

The Asia-Pacific EMC Symposium (APEMC) was initiated following the success of the 2006 Zurich International Symposium on Electromagnetic Compatibility held in Singapore, where Asia-Pacific EMC chairpersons convened to discuss unifying EMC symposia across the region. Since its inception in 2008, APEMC has been held annually across the Asia-Pacific. Today, APEMC has become one of the top three EMC symposia in the world.

APEMC Official Website: www.apemc.org

2006 1st Asia-Pacific EMC Chairpersons Meeting in SINGAPORE

At the 2006 EMC-Zurich Symposium in Singapore between 27 Feb to 3 March 2006, the first Asia-Pacific EMC Chairpersons Meeting was held concurrently called by Prof Er-Ping Li. The meeting concluded to unifying the EMC symposia cross the Asia-Pacific region, and to establish one united Asia-Pacific Symposium on EMC in Asia-Pacific region, and the first such Asia-Pacific Symposium on EMC was held in 2008 in Singapore.

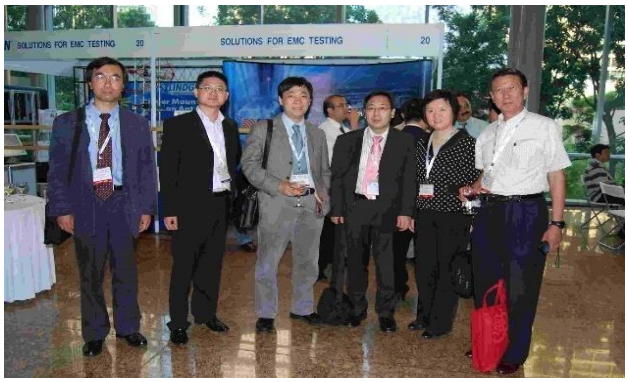
Photo of the Asia Pacific EMC Chair-Persons Meeting held in Singapore on 28 Febuary 2006

From Left (clock-wise direction): Prof. Andrei Marinescu, Romania Chapter, Prof He Jinliang (Tsinghua University), Elya JOFFE, VP of IEEE EMC-S, Andrew DROZD , President of IEEE EMC-S, Francesca Maradei, EMC-Society Chapter Coordinator, Prof KOGA Ryuji, Japan EMC Chapter, Mark Montrose, USA, Prof YOSHINO Takeo, Japan EMC Chapter, John Norgard, USA, Dr LI ErPing, Singapore EMC Chapter, Prof PACK Jeong-Ki, Korea, A/Prof Werachet Khan-ngern, Thailand, Prof GAO You Gang, Beijing EMC Chapter, Dr. Vesna Roje, Croatia Chapter. Prof CUI Xiang, China EMC.

Photo of Opening session at EMC Zurich in Singapore 27 Feb - 3 March 2006

2008 APEMC in Singapore

The first APEMC, Asia-Pacific International Symposium on EMC, was held in conjunction with the 19th International Zurich Symposium and Technical Exhibition on Electromagnetic Compatibility under the theme "The Gateway to Emerging Technology," from 19-22 May 2008 at the Singapore SUNTEC International Convention and Exhibition Center. This event addressed the needs of a rapid rising EMC community in the region. The 2008 APEMC laid down the Asia-Pacific EMC foundation and identity, and it will continue from this point onwards.



2008 APPEMC Delegates: Prof Jianqing Wang from Japan; Dr Tian Jian from Huawei, China, Prof Jinliang He from Tsinghua University, China; Dr. Erping Li from Singapore; Prof Donglin Su from Beihang University, China; and Dr C. K. Chou from Motorola, USA

2008 APEMC Delegate Reception

The Symposium was chaired by Dr Erping Li, A*STAR-IHPC, Singapore, General Co-Chair was the late Professor Ruediger Vahldieck from ETH Zurich. The Technical Program Committee Chairs were Professor Zhongxiang Shen from Nanyang Technological University, and Professor Flavio

Canavero from Politecnico di Torino, Italy. 370 delegates from 31 countries/regions attended the symposium. 320 papers were submitted and 203 papers were accepted and presented at the symposium

2010 APEMC in Beijing

The 2010 Asia-Pacific International Symposium on Electromagnetic Compatibility (APEMC) was held from 12-16 April 2010 at the Beijing International Convention Center with the theme of "EMC Harmonizes the World." Over 700 delegates from 43 countries and regions attended this event, 432 papers from 578 submissions were accepted at the symposium, which makes the APEMC a truly global conference. In addition, 68 exhibitors were collocated with the APEMC 2010. The General Chair was Professor Jinliang He from Tsinghua University, TPC Chairs: Professor Su Donglin from Beihang University and Professor Todd Hubing from Clemson University.

Photo taken on 12 April 2010 plenary session of APEMC 2010

Photo of 2010 APEMC from left to Right: Prof. Erping Li, APEMC 2010 general co-chair Dr. Jie Zhao, co-president Mr. Wenliang Zhang, Plenary speakers Prof Niels Kuster, IEEE EMC Society President Prof. Francesca MARADEI, TPC Chair Prof. Todd Hubing, Symposium President Prof. Jinliang He

2011 APEMC in Jeju Island, Korea

The 2011 Asia-Pacific EMC Symposium (2011 APEMC) was held in Jeju Island in Korea from 16-19 May 2011 at the Ramada Plaza Jeju Hotel. Jeju Island, Korea. The General Chair was Dr. Jeong-Ki Pack, Chungnam

National University and the TPC Chair was Professor Joungho Kim from KAIST. 215 papers were presented and 375 people from 20 countries/regions attended this symposium. The technical exhibition was held concurrently with the symposium with 16 exhibitors.

2012 APEMC In Singapore

The 2012 Asia-Pacific International Electromagnetic Compatibility Symposium and Technical Exhibition was back to Singapore and held on 21-24 May 2012 in Resorts World Sentosa (RWS) Singapore. The Symposium was chaired by Professor Wolfgang Hoefer and the TPC Chair was Professor Er-Ping Li.

The symposium was attended with 414 delegates and 233 papers were presented from 324 submissions, where a memorial session to late Prof Ruediger Vahldieck was held, his wife and daughter and his former friends attended the session.

*Photo taken at the Memorial Session to Prof Vahldieck at 2012 APEMC , from left Ke WU from University de Montreal, Wolfgang Hoefer from A*STAR Singapore, Peter Russer from Technical University of Munich, Michael Mrozowski from Gdansk University of Technology, Poland, Masha Vahldieck daughter of Prof Vahldieck, Zorka Vahldieck wife of Prof Vahldieck, Joannes Russer from Technical University of Munich, Ingo Wolff from IMST GmbH, Germany, Er-Ping Li, Symposium President, Christophe Fumeaux from University of Adelaide, Australia*

APEMC2012 Organising Committee was shown with two keynote speakers on 22 May 2012 from left Zhao Huapeng, Chua Eng Kee, Wolfgang Hoefer, Joungho Kim, Ingo Wolff, Erping LI, James Drewniak, En-Xiao Liu, Xingchang Wei, Mark Tan

Delegates attended the presentation 21 May 2012 by Dr Bill Radsky

2013 APEMC in Melbourne, Australia

APEMC 2013 was moved to South Pacific, Melbourne, Australia, and held at the iconic Melbourne Cricket Ground (MCG) on 20-23 May 2013 . It was hosted by the EMC Society of Australia, with the IEEE EMC Society as Technical Co-Sponsor. General Chair was Dr Franz Schlagenhaufer, TPC Chairs were Dr Bill Radasky and Prof Christophe Fumeaux. 132 were presented at this symposium from 21 countries/regions.

Members of the APEMC 2013 Council included (from left) Paul Payne of Faraday Shielding Pty Ltd; Paul Kay of the Australian Dept of Defence; Mark Mifsud of Nova Systems; Andrew Walters of the Australian Dept of Defence; Gordana Klaric Felic of National Information and Communications Technology Australia, University of Melbourne; Franz Schlagenhaufer (Symposium Chairman) of the International Centre for Radio Astronomy Research, Curtin University, Australia; and Kingsley McRae of Faraday Shielding Pty Ltd. Paul Payne is a member of the EMC Society of Australia; the others shown are Councillors of the EMC Society of Australia.

2015 APEMC in Taipei

The 2015 Asia-Pacific International Symposium on Electromagnetic Compatibility (APEMC 2015) was successfully held on 25-29 May 2015 at the Grand Hotel, Taipei, Taiwan. The General Chair was Prof Tzong Lin Wu from National Taiwan University and the TPC Chair: Dr. Ding-Bing Lin, National Taipei University of Technology. 447 delegates from 22 countries/regions were attended and 198 accepted papers from 256 submissions were presented at this conference.

Photo of Organising committee and invited guests taken at the opnening session of 25 May, 2015

APEMC Delegates visiting TSMC on 25 May 2015.

2016 APEMC in Shenzhen

The 2016Asia-Pacific International Symposium on Electromagnetic Compatibility (APEMC 2016) was moved to Shenzhen and held on 18-21 May 2016 at the Shenzhen Convention and Exhibition Center.

The General Chair was Professor Er-Ping LI, and the TPC Chairs were Professor Farhad Rachidi fromSwiss Federal Institute of Technology, Professor Lijun Jiang from Hongkong University, and Dr En-xiao Liu from A*STAR, Singapore. Shenzhen is pioneering status of being China's Window to the World, and its fabulous facilities and being home of world-class electronic industries.

388 papers were accepted and presented at the conference from close 500 submissions from 31 countries/regions, and 1172 delegates/visitors attended the meeting.

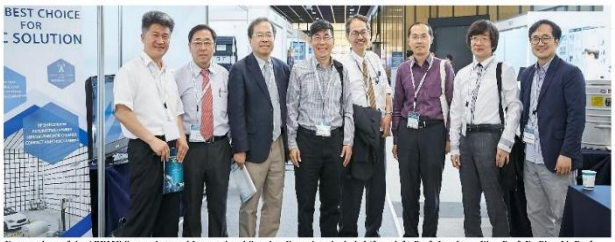
Frank Leferink fromthe Netherlands delivered his keynote speeches at the opening ceremony in the morning of 19 May

Photo of 2016 APEMC Organising committee: from Left Liu Enxiao, Wang Mengjun,Sara Gou, Jinag Mei, Xu Yimin, Zhang Xinhai, Li Erping, Jiang Lijun, Janet O'Neil, Zhang Yaojiang, Yin Wenyan, Wei Xhinchang, Chen Henglin

*EMC Board Meeting on 20 May 2015 at Shenzheng APEMC from left John Norgard(IEEE EMCS), Lijun Jiang (University of Hongkong), Er-Ping Li(APEMC), Enxiao Liu(A*STAR, Singapore), Joungho Kim(KAIST, Korea), Janet O'Neil（EMCS）, Vignesh Rajamani,（EMCS）, Frank Leferink (Netherlands)， Perry Wilson（EMCS）,Peter Leong(City University of Hong Kong), Osami Wada (Kyoto University, Japan) ,Mike Violette(EMCS), Tzong-Lin Wu (National Taiwan University),Jinliang He(Tsinghua University) ,and Don Heirman(EMCS)*

2017 APEMC in Korea

The 2017Asia-Pacific International Symposium on Electromagnetic Compatibility (APEMC 2017) was held on June 20-23, 2017, Seoul, Korea. Prof Joungho Kim served as General Chair, TPC was Prof Jong-Gwan Yook. The symposium attracted 415 attendees from 21 **countries/regions and presented 163 papers from 202 submissions.**



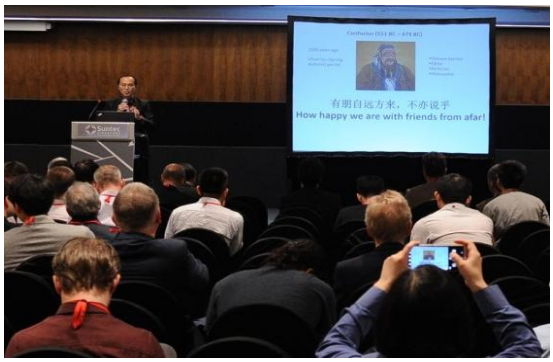
Key members of the APEMC Symposium and International Steering Committee included (from left) Prof. Jonghoon Kim, Prof. Er-Ping Li, Prof. Joungho Kim, Prof. Tzong-Lin Wu, Prof. Osami Wada, Prof. En-Xiao Liu, Prof. Hideaki Sone, and Prof. Seungyoung Ahn.

2018 Joint IEEE EMC/APEMC in Singapore

In 2018, the IEEE International Symposium on Electromagnetic Compatibility & Asia-Pacific Symposium on Electromagnetic Compatibility (2018 Joint IEEE EMC & APEMC) was jointly organised in Singapore , 14-17 May 2018 chaired by Dr Liu Enxiao and the TPC were Dr Jun Fan and Richard Gao Xianke. This is first time that APEMC jointly with IEEE EMC. The symposium marked the 60th edition of the IEEE International EMC Symposium and 10th anniversary for APEMC. The symposium was attended with 841

delegates from 31 countries/regions. 382 out of 490 submissions were presented at this symposium.

2018 Organizing committee members photo at the banquet dinner on 16 May. Front row from left: Caroline Chan, Janet O'neil, Jun Fan, Er-Ping Li, Bruce Archambeault, Richard Xian-Ke Gao, Xiaoning Ye, Mike Violette, Siping Gao. Back row from left: En-Xiao Liu, Chao-Fu Wang, Vignesh Rajamani, Xing-Chang Wei, Zaifeng Yang, Albert Lee, Hui Min Lee



Dr. En-Xiao Liu warmly welcomed all the delegates.

Delegates attended the APEMC 2018 opening ceremony and the first plenary session

2019 APEMC in Sapporo

2019 APEMC was held at Sapporo Convention Center, Sapporo, Hokkaido, Japan, from June 3 to 7, 2019. Jointly organised with International Symposium on Electromagnetic Compatibility, chaired by Prof. Sone from Tohoku University. 432 delegates from 25 countries/regions attended the symposium.

2020 APEMC Sydney, Australia

2020 APEMC was chaired by Mark Mifsud, and was supposed to be held in Sydney Australia, but was cancelled due to the pandemic. Thanks are given to the organizing committee, who did a tremendous preparation work.

2021 APEMC in Bali, Indonesia

2021 APEMC was held in Bali, Sept 27-30, 2021 in hybrid mode, chaired by Dr Dwi Mandaris from National Research and Innovation Agency, Indonesia, Technical Program Committee were chaired by Frank Lefink and En-xiao Liu from A*STAR, Singapore. The symposium was originally planned to be held fully on-site in Bali, Indonesia in May 2021. However, due to the global COVID-19 outbreak that began in early 2020, it was subsequently postponed to September 2021.

2022 APEMC in Beijing

2022 APEMC was held during the 2022 Beijing EMC Week (www.emcconf.org), in Beijing, China, from July 10 to 13, 2022. the first city to hold both Summer and Winter Olympics. The EMC week was chaired by Prof Su Donglin and the APEMC was chaired by Prof Li Er Ping. TPC iwas co-chaired by Jun Fan and Liu Enxiao.

2023 APEMC in India

2023 APEMC was joined with INCEMIC and held in Bengaluru, India from May 22-25, 2023. Dr. D.C. Pande served as the General Chair, Mr. Sandeep Satav the Workshop Chair, and Dr. Dipanjan Gope the Technical Program Chair.

2024 APEMC in Japan

2024 APEMC was joined with IEEE International Symposium on Electromagnetic Compatibility, Signal & Power Integrity and EMC Japan and held at the Okinawa Convention Center, Okinawa, Japan, from May 20 to 24. Prof. Yoshitaka Toyota was the General Chair, and Dr. Soichi Watanabe was the TPC chair.

2025 APEMC in Taipei

2025 APEMC was held in Taipei from May 19-23. Prof. Hsi-Tseng Chou was the General Chair. Prof. Ding-Bing Ling and Prof. Chien-Chang Huang serve as the TPC chair and co-chair.

2026 APEMC, to be held from 4 - 7 May in KL, Malaysia

Contact: Prof. Kye Yak SEE, General Chair

ELECTROMAGNETIC SCIENCE

CALL FOR PAPERS ON ELECTROMAGNETIC SCIENCE

ELECTROMAGNETIC SCIENCE is a newly launched international academic journal covering cutting-edge advancements in electromagnetics and photonics, linking theoretical innovations and technological breakthroughs.

ELECTROMAGNETIC SCIENCE aims to publish the most advanced original and innovative research results in any field related to electromagnetics and photonics, and targets recent trends and challenges in the science and technology of electromagnetics and photonics worldwide.

EXCLUSIVELY AVAILABLE VIA IEEE Xplore® DIGITAL LIBRARY

Ei Compendex

Scopus®

DOAJ OPEN GLOBAL TRUSTED

EDITORIAL BOARD

Scientific Advisors

Weng Cho CHEW	Michael COEY
Jiancheng FANG	Min GU
Wei HUANG	Koichi ITO
Kwai Man LUK	Yahya RAHMAT-SAMII
Din Ping TSAI	Kang WANG
Robert WEIGEL	Ke WU

*In alphabetic order of the last name

Editor-in-Chief

Professor **Donglin SU**

Beihang University

Executive Editor-in-Chief

Professor **Er-Ping LI**

Zhejiang University

Track Editors

Antenna Theory and Practice

Yueping Zhang
Nanyang Technological University

Computational Electromagnetics

Atef Elsherbeni
Colorado School of Mines

Computational Multiphysics

Di Liu (Richard)
Michigan State University

Electromagnetics and Microwave Theory

Roberto Gómez-García
University of Alcalá

Electromagnetic Compatibility

Sergio Pignari
Politecnico di Milano

Microwave Theory and Techniques

Quan Xue
South China University of Technology

Photonics

Min Qiu
Westlake University

Kirill Koshelev
Australian National University

Quantum Electromagnetics

Michael Haider
Technical University of Munich

Terahertz Theory and Technology

Yiming Zhu
University of Shanghai for Science and Technology

*In alphabetic order of the technique scope

Electromagnetic Science

Article Types

Research Article | **Communication** | **Review** | **News & Perspective**

Technical Scope

The technical scope of the Electromagnetic Science covers the latest advanced researches in electromagnetic/photonic fundamental theories and technologies, enabling technologies and engineering applications, and frontiers in interdisciplinary electromagnetics/photonic.

The typical fields of interests, but not limited to, include:

The fundamental electromagnetic and photonic theory and technologies, artificial intelligence-aided techniques, antenna theory and techniques, bio-electromagnetics, computational electromagnetics, electromagnetic information, electromagnetic compatibility, metamaterials and metasurface, magnetic materials and technologies, microwave theory and techniques, plasmonics, quantum electromagnetics, scattering, imaging and remote sensing, IoT, and distributive electronics, electromagnetic/photonics related interdisciplinary fields and many others.

Benefits of publishing in Electromagnetic Science

Broad Scope

High-level original and innovative results in any field related to electromagnetics and photonics are within the scope of ***Electromagnetic Science***.

Efficient Process

Electromagnetic Science uses single-blind peer review with a short review period ≤ 29 days from submission to first decision and provides international reviewer comments to the author.

Enhanced Promotion

The article will be promoted via animation on social media to ensure your work gets the attention it deserves.

Submission Web

mc03.manuscriptcentral.com/emscience

Homepage

www.emscience.org

A Third-Party Journal Affiliated with EXCLUSIVELY AVAILABLE VIA IEEE Xplore® DIGITAL LIBRARY

Contact office@emscience.org

Update on August 1, 2025

EXHIBITION

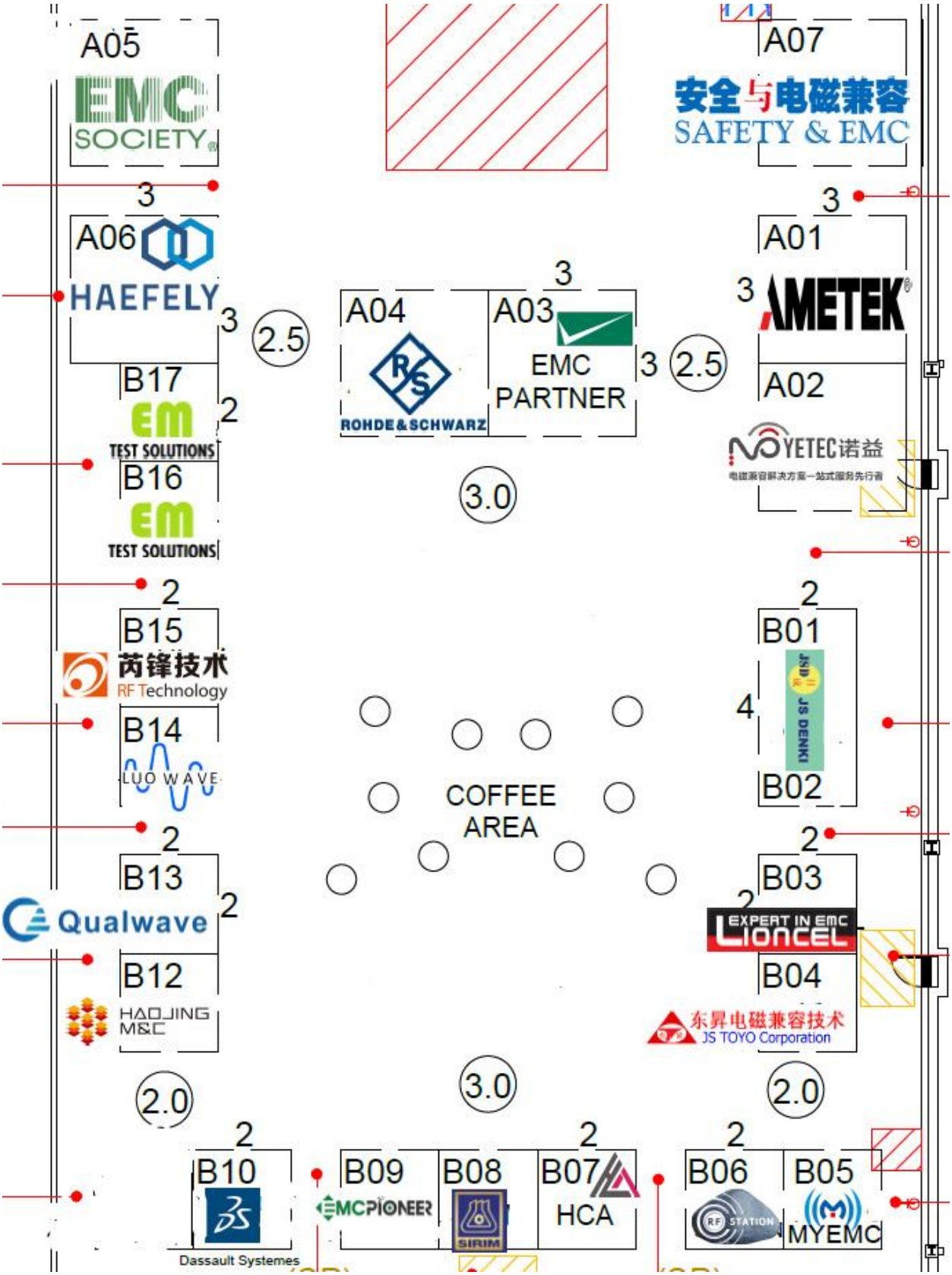
Operations/Event Schedule

Setup Date and Time	:	4 May 2026, 8am – 9pm (for Official Contractor Only) 4 May 2026, 2pm – 5pm (for Exhibitor Move In)
Show Date and Time	:	5 May 2026, 9am – 6pm 6 May 2026, 9am – 6pm 7 May 2026, 9am – 6pm
Dismantle Date and Time	:	7 May 2026, 6pm – 9pm
Venue	:	Conference Hall 1, KLCC

List of Exhibitors

SN	Company name	Booth No.
1	Ametek Singapore Pte Ltd	A01
2	EMC Partners AG	A03
3	Haefely AG	A06
4	JS Denki	B01 and B02
5	Rohde & Schwarz Malaysia Sdn Bhd	A04
6	Zhejiang Noyetec Technology Co., Ltd.	A02
7	Changzhou Pioneer Electronic Co., Ltd	B09
8	Dassault Systèmes	B10
9	EM Test (M) Sdn Bhd	B16 and B17
10	HCA Corporation	B07
11	HJEMC	B12
12	JS Toyo Corporation (Shenzhen) Ltd	B04
13	Minye Information Tech. (Shanghai) Co., Ltd.	B05
14	Qualwave Inc	B13
15	RF Station Sdn.Bhd.	B06
16	RuiFeng RF Technology (Shanghai) Co.,Ltd.	B15
17	Lioncel Electromagnetic Technology Co., Ltd	B03
18	SIRIM QAS International Sdn.Bhd.	B08
19	Wuhan Luowave SDR Co., Ltd	B14

Exhibition Layout



Sponsors and Exhibitors Write-up

SILVER SPONSORS

Ametek Singapore Pte Ltd
Booth No: A01
Contact: Lim Koh Hwee – Regional Sales Manager
Email: kok.hwee.lim@ametek.com
Website: https://www.ametek-cts.com/

AMETEK CTS and AR (Amplifier Research) are global leaders in EMC, RF, and microwave test and measurement solutions, serving commercial, industrial, automotive, aerospace, and military/defense markets worldwide. AMETEK CTS provides comprehensive systems for EMC compliance and immunity testing, including ESD, surge, EFT, lightning, and high-power electromagnetics. AR complements this portfolio with industry-leading RF and microwave amplifiers trusted for EMC testing, communications, radar, and advanced defense applications. Together, we deliver proven, high-reliability solutions that enable compliance, performance, and mission-critical assurance across demanding environments

EMC Partners AG
Booth No: A03
Contact: Martin Yiapanas – Marketing & Product Manager
Email: marketing@emc-partner.ch, m.yiapanas@emc-partner.ch
Website: https://www.emc-partner.com/

EMC PARTNER AG is an independent manufacturer of EMC impulse test equipment, offering one of the industry's most comprehensive ranges up to 100 kA and 100 kV.

With over 30 years of involvement in EMC standardization, we actively contribute to international committees including Swiss National IEC Committee and CENELEC (CES), the Society of Automotive Engineers, and EUROCAE.

We develop advanced EMC test generators for industrial, commercial, defence, and avionics applications, compliant with IEC 61000, MIL-STD, DO-160 and more. We also offer tailored solutions, ISO/IEC17025 accredited calibration, and global sales & service support through service centres in Europe, USA, and Asia.

HAEFELY
Current and voltage – our passion

Haefely AG
Booth No: A06
Contact: Jon Nguyen – EMC Sales Manager
Email: jnguyen@haefely.com
Website: https://www.pfiffner-group.com/

Pioneer Emil Haefely founded the company in 1904. It was based in Basel in the intervening decades, employing more than a hundred highly qualified engineers. HAEFELY also has personnel based in India and China to support their worldwide customer base.

HAEFELY has a worldwide network of representatives and local service points, providing a wide range of services well beyond standard after-sales customer support. Highly skilled and experienced customer support teams guarantee seamless worldwide service for all our products. Their high level of knowledge is reinforced by continuous, comprehensive product and service training sessions in collaboration with the respective development and production areas and our quality management team.

We have hotlines for customer support; we offer product application training, engineering consulting, assistance with spare parts, repairs and periodical maintenance. In addition, there is a wide range of calibration and upgrade services available for our customers worldwide.

JSD 日成 JS DENKI

JS Denki Sdn Bhd
Booth No: B01 & B02
Contact: Calvin Hor – Regional Sales Manager
Email: calvinhor@jsdenki.com.my
Website: https://jsdenki.com.sg/

JS Denki was established in Singapore in August 2002. Within two years, we set up our Malaysia office. This allowed us to broaden our coverage in the ASEAN region, including Singapore, Malaysia, Thailand, Indonesia, Vietnam, Philippines, and others.

In 2008, we established our new subsidiary office, JS Toyo Corporation in Shenzhen, and in 2024 we have office in Suzhou.

Our primary objective is to provide the most effective and reliable EMC Test & Measurement Solutions to our customers. We achieve this by excelling in the configuration and delivery of systems through the integration of products from established world-leading suppliers. \

Rohde & Schwarz Malaysia Sdn Bhd
Booth No: A04
Contact: Nureen Syamina Roslan – Marketing Executive
Email: nureensyamina.roslan@rohde-schwarz.com
Website: https://www.rohde-schwarz.com/my/

We are Malaysian subsidiary of the renowned German technology group Rohde & Schwarz, we oversee the operations of sales, service, and technical support nationwide. Since our establishment, we have been a trusted partner in providing advanced and reliable solutions for test & measurement, broadcast, aerospace & defense and cybersecurity sectors.

With a dedicated team of expert engineers and a well-equipped Technical Service Facility, we offer a comprehensive range of services, from system integration, installation, maintenance & repair to professional training and on-site support. Our local presence ensures faster response times and tailored support for Malaysian clients, while upholding the global standards of the Rohde & Schwarz brand.

Zhejiang Noyetec Technology Co., Ltd.
Booth No: A02
Contact: Yuxuan Liu – Commercial Manager
Email: sales@noyetec.com
Website: https://www.noyetec.com/?_l=en

Noyetec Technology Co., Ltd. (Noyetec) is in the Hangzhou, the company is a product technology innovation-driven National High-Tech Enterprise and has established a Zhejiang Provincial Electromagnetic Compatibility Enterprise R&D Centre. As a member of IEC/CISPR A and the EMC Standardization Committee working group, has led/participated in drafting over 30 EMC national standards.

Noyetec professionally engage in providing one-stop EMC solutions and antenna/radar measurement laboratory construction solutions. It offers comprehensive services including anechoic chamber design and construction, EMC equipment testing systems, antenna microwave testing systems, ISO17025 Laboratory System Accreditation Guidance, electromagnetic simulation design and development, intelligent manufacturing, and technical engineering project consulting.

Mission: Making the intelligent world safer and more reliable

LANYARD SPONSOR

ETS-Lindgren Inc.
Contact: Rhonda Rodriguez – Director, Global Marketing
Website: https://www.ets-lindgren.com/
Email: Janet.Oneil@ets-lindgren.com

ETS-Lindgren is the global leader in fully integrated, in-house EMC testing solutions—including chambers, instrumentation, and software—that ensure product compliance, reliability, and performance across critical industries by delivering precise, repeatable results in controlled, EMI-mitigated environments. We design, manufacture, and install EMC/EMI, RF/Microwave, and MIMO/OTA test and measurement systems and components.

Our patented technology has resulted in many milestones: the world's first CTIA Authorized Test Lab and the first oversize RF shielded sliding door for full vehicle test chambers. Our full line of HEMP/IEMI products is the first to be independently tested and certified. Services include calibration at our A2LA accredited calibration lab as well as consulting, field, and maintenance services. For more information, visit us at www.ets-lindgren.com.

IEEE YOUNG PROFESSIONAL SPONSORS

Dloorplf is a technology-driven enterprise focused on R&D, providing complete RF microwave signal connectivity and industry-specific solutions. Innovation and quality are Dloorplf's core competencies.
Our diverse product portfolio includes wafer test probes (with calibration substrates), RF test sockets, RF coaxial connectors, adapters, multi-channel RF connectors, RF cable assemblies, and RF switch matrix systems, which are widely used in industries such as semiconductors, optical communications, and millimetre-wave measurement.

Cisco is a global leader in networking, security, collaboration, and AI-driven technology solutions. The company designs and delivers advanced infrastructure that powers the internet, data centres, and next-generation AI computing systems. With a focus on innovation, reliability, and sustainability, Cisco enables organizations to securely connect, scale, and transform in a rapidly evolving digital world.

The IEEE Microwave Theory and Technology Society (MTT-S) is a transnational society established in 1952. For over 70 years, it has promoted the advancement of microwave theory and its applications, including RF, microwave, millimetre-wave, and terahertz technologies, with more than 14,000 members and over 350 chapters worldwide.
The MTT-S is dedicated to advancing the professional standing of its members and enhancing the quality of life for all people through the development and application of microwave technology.

MEDIA SPONSORS

EMC Society
Booth No: A05
Contact: Krzysztof Sieczkarek
Email: krzysztof.sieczkarek@pit.lukasiewicz.gov.pl
Website: https://www.emcs.org/

The IEEE Electromagnetic Compatibility Society is the world's largest organization dedicated to the development and distribution of information, tools and techniques for reducing electromagnetic interference. The society's field of interest includes standards, measurement techniques and test procedures, instrumentation, equipment and systems characteristics, interference control techniques and components, education, computational analysis, and spectrum management, along with scientific, technical, industrial, professional or other activities that contribute to this field.

Our mission is to foster the development and facilitate the exchange of scientific and technological knowledge in the discipline of electromagnetic environmental effects and electromagnetic compatibility, and promote literary, educational and professional aspects thereof, that benefit members, the profession and humanity.

Safety & EMC
Booth No: A07
Contact: Wang Shuhua
Email: wangsh@cesi.cn, wangsh420@126.com
Website: https://www.safetyandemc.com

《SAFETY & EMC》 is the unique official publication (CN 11-3452/TM, ISSN 1005-9776) synthetically introducing the safety and EMC technology of electronic and electric industry at present in China, which is supervised by Ministry of Industry and Information Technology of PRC and sponsored by China Electronic Standardization Institute (CESI).

《SAFETY & EMC》 started the first publication in 1989, it has maintained its characteristics in forward-looking, professional, practical and knowledgeable. Providing its readers with the latest policies and regulations, certification procedures, testing methods, as well as cutting-edge research technology, academic information and so on.

《SAFETY & EMC》 contents involve standard interpretation, design, testing, prediction and simulation, material development and application, electromagnetic environment construction, electrostatic discharge, signal and power integrity, research progress of advanced technology and challenges in application, and suggestions for future development direction. The editorial board that is composed of experts provides guidance for the technical content, professional orientation and authority of 《SAFETY & EMC》, the purpose is to build a fair and open exchange platform for all parties and promote the development of safety and electromagnetic compatibility related technologies and industries.

EXHIBITORS

Changzhou Pioneer Electronic Co.,Ltd
Booth No: B09
Contact: Catherine Jiang – CEO
Email: lisa@emc-emi.com; sales@emc-emi.com
Website: https://www.emc-emi.com/

EMCPIONEER is a professional manufacturer specializing in RF cage, shielding rooms, anechoic chambers, EMC Cabinet and supporting full-series accessories, which manufactures a wide range of EMC products as RF Shielding Door, Honeycomb Vent, Power Filter Signal, HEMP filter, Interface Filter, RF Window, Knitted Wire Mesh, RF Absorber, Ferrite Tile, finger stock, Waveguide Tubes and other shielding components.

Our modular design, excellent shielding effectiveness and global installation service ensure customer satisfaction, which helps us build long-term partnerships.

Dassault Systèmes (DS Singapore Pte.Ltd.)
Booth No: B10
Contact: Ian Chew – AP South Partner Marketing Manager, Customer Process Experience
Email: Ian.CHEW@3ds.com
Website: www.3ds.com

Dassault Systèmes is a catalyst for human progress. Operating in three sectors – Life Sciences & Healthcare, Infrastructure & Cities, and Manufacturing Industries – we provide businesses and people with collaborative virtual universes to imagine sustainable innovations.

By creating virtual twin experiences of the organic and non-organic world with the 3DEXPERIENCE platform, customers push the boundaries of innovation and explore new possibilities capable of harmonizing product, nature and life.

Dassault Systèmes' nearly 25,000 employees bring value to over 370,000 customers of all sizes, in diverse industries, in more than 142 countries.

EM Test (M) Sdn Bhd
Booth No: B16 & B17
Contact: Brendon Lim – General Manager
Email: brendon_lim@emtestsolutions.com
Website: https://emtestsolutions.bitrix24.site

EM Test Solutions was founded in January 2006 as a specialist provider of EMC test and measurement solutions. Focusing on electromagnetic compatibility (EMC) and RF, we deliver expert, tailored services that help customers meet regulatory and performance testing requirements across the ASEAN region.

Backed by the deep technical experience of our European partners, we combine regional support with international best practices. To ensure precision and confidence in every solution, we operate an ISO/ IEC 17025 accredited calibration laboratory dedicated to the needs of EMC and RF testing.

HCA Corporation
Booth No: B07
Contact: Santo Lee – Manager
Email: sdlee@hca.kr
Website: https://www.hca.kr/

HCA Corporation is a specialized manufacturer of advanced RF/EMC absorbing materials, offering EPP pyramidal absorbers, ferrite pyramidal absorbers, and ferrite tiles. Our solutions are widely used in EMC testing, antenna measurement, telecommunications, defense & aerospace, automotive (ADAS, EV), satellite and certification laboratories.

Leveraging EPP technology, our absorbers provide fire-retardant, lightweight, durable, and semi-permanent performance with excellent broadband characteristics. As EPP becomes the industry trend, HCA delivers high-performance, long-lasting solutions not only for EMC chambers but also for diverse applications requiring electromagnetic wave control.

HCA is committed to enabling precise, reliable measurement environments worldwide.

HJEMC
Booth No: B12
Contact: Mr Luo; Blare Chengdu Yazeexpo – Sales Manager
Email: 2657790529@qq.com; sales@yazeexpo.com
Website:

Chengdu Haojing is a leading high-tech enterprise specializing in the field of Electromagnetic Functional Materials and Structures (EMMS). As a premier provider of electromagnetic compatibility (EMC) and electromagnetic testing solutions in China, the company remains at the forefront of international EMMS technology and industry trends. Committed to independent innovation, we offer a comprehensive one-stop solution encompassing material R&D, product design, precision manufacturing, professional testing, sales, and technical services.

JS Toyo Corporation (Shenzhen) Ltd
Booth No: B04
Contact: Seah Kwee Hock – General Manager
Email: seah@jstoyo.cn
Website: https://www.jstoyo.cn/

JS Toyo Corporation (Shenzhen) Ltd. (JSTOYO) was established in 2008 and focuses on providing system integration services and solutions for EMC and RF testing. We have branch offices in Suzhou and Hong Kong and liaison offices in Beijing and Guangzhou.

Our mission is to provide practical, reliable, and cost-effective EMC and RF testing systems in compliance with EMC standards. The company has achieved significant milestones, including nine patent certificates and ISO9001.

We have been recognized as "**Outstanding Contribution Enterprise for the 70th Anniversary of the Founding of the PRC**", "**Guangdong Province AAA Credit Enterprise**" and "**Guangdong Province Excellent Credit Enterprise**".

Minye Information Tech. (shanghai) Co., Ltd.
Booth No: B05
Contact: Yan Jun – Business Director
Email: yanjun@myemc.net.cn
Website: longxl@myemc.net.cn / https://www.myemc.net.cn/

Minye Information Technology (Shanghai) Co., Ltd., founded in 2014 and recognised as a National High-Tech Enterprise, focuses on EMC technology innovation.

It provides one-stop EMC solutions, including diagnosis, design and testing, led by Dr.Huang Minchao's professional team and cooperating with many well-known enterprises.

Qualwave Inc
Booth No: B13
Contact: Devin He – General Manager
Email: sales@qualwave.com
Website: https://www.qualwave.com/

Qualwave Inc is the top designer and manufacturer of microwave products. We supply both active and passive components from DC to 330GHz. We provide a series of standard products. Meanwhile we customize products according to special requirements.

Our products include PLDROs, Switches, Cable Assemblies, Adapters, Connectors, Attenuators, Terminations, Power Dividers, Couplers, Amplifiers, Antennas, Filters, Mixers, Phase Shifters, DC Blocks, Bias Tees, Circulators, Isolators, Detectors, Equalizers, Baluns, Duplexers, Frequency Multipliers, Limiters, Calibration kits, Probes, Rotary Joints, waveguides, etc.

We have very fast lead time of 0~4 weeks. And we have no MOQ requirement.

RF Station Sdn. Bhd.
Booth No: B06
Contact: Natasha Mohd Tahir – Marketing Executive
Email: natasha.mohdtahir@rfstation.com
Website: https://rfstation.com/

Your One-Stop Solution for On-Site EMC Testing
RF Station (RFS) is a specialized engineering consultancy offering expertise in computer-aided engineering (CAE) and sensor measurement technologies. We serve a diverse range of industries, including high-tech, education, automotive, aerospace and defense, as well as oil and gas.
Complementing our capabilities, we provide on-site electromagnetic compatibility (EMC) measurement and training to support product validation in real operating conditions. Our team carries out testing, troubleshooting and compliance checks against international standards, helping clients identify issues early and ensure reliable product performance.

RuiFeng RF Technology (Shanghai) Co., Ltd
Booth No: B15
Contact: Vera Wang – Vice President
Email: vera.wang@rft-system.com
Website: http://www.rft-system.com/

RuiFeng RF Technology (Shanghai) Co., Ltd. (RFT) – Your trusted partner in electromagnetic environment control. From shielded enclosures to fully anechoic chambers, we deliver total solutions backed by proprietary absorbers and in-house manufacturing. Headquartered in Shanghai China.

RFT combines local engineering excellence with deep European expertise through our strategic partnership with COMTEST, serving customers worldwide. Whether you need EMC Chambers, Reverberation Chambers, Microwave Chambers, or technical consulting, our experienced team ensures precision, reliability, and innovation. We don't just build chambers – we engineer confidence in every decibel. Meet your controlled EM environment requirements with RFT.

Lioncel Electromagnetic Technology Co., Ltd.
Booth No: B03
Contact: Brooks Huang – Marketing Manager
Email: huanghai@emclioncel.com
Website: www.emclioncel.com

Lioncel has long focused on EMC testing technology, R&D, and manufacturing of immunity test products, plus integrated system sales.

Its self-developed intelligent EMC test equipment, EV electrical performance test systems, and turnkey electromagnetic anechoic chamber solutions serve consumer electronics, new energy vehicles, and military & aerospace.

Looking ahead, Lioncel is expanding into UAV and Robotics, ensuring safe operation of sensitive electronic systems in complex electromagnetic environment.

SIRIM QAS International Sdn. Bhd.
Booth No: B08
Contact: Alvit Shahrial – Senior Executive
Email: alvit@sirim.my
Website: https://www.sirim-qas.com.my/

SIRIM QAS International is Malaysia's leading conformity assessment body, providing testing, inspection and certification services across diverse industries. With strong expertise in Electromagnetic Compatibility (EMC) and Radio Frequency (RF), we operate advanced, internationally accredited laboratories equipped for emission, immunity, and wireless testing.

Our RF and EMC facilities support compliance with global standards, serving telecommunications, electronics, and automotive sectors. Backed by technical excellence and industry trust, SIRIM QAS enables market access and regulatory compliance across the Asia-Pacific region and beyond.

Wuhan Luowave SDR Co., Ltd
Booth No: B14
Contact: Qiu Sheng – Overseas Sales Engineer
Email: qiusheng@luowave.com
Website: https://www.luowave.com/en/

Established in 2012, LUOWAVE has over a decade of expertise in pioneering Software Defined Radio (SDR) and advanced RF technologies. We deliver high-performance, mission-critical solutions for demanding wireless communication and defence applications.
Our platforms, spanning from Sub-6GHz to millimetre-wave, empower innovation in 5G/6G, radar, and spectrum monitoring, ensuring reliable performance in the most challenging electromagnetic environments.

Call for Papers

Join us in Glasgow. Experience the perfect balance of technical heritage and the magical allure of Scotland.
Engage with industry leaders and experts by taking the opportunity to immerse yourself in the wealth of knowledge they offer in this unique joint international conference.

Topics of Interest

- Machine Learning and Artificial Intelligence
- Smart Grid EMC
- EMC Management
- EMC Measurement
- EMC Environment
- EM Interference Control
- High Power Electromagnetics
- Spectrum Engineering
- Electrical System and Power Electronics
- Aeronautics and Space EMC
- Computational Electromagnetics
- Signal and Power Integrity
- Nanotechnology and Advanced Materials
- EMC Wireless Technology

AUTHOR SUBMISSION SCHEDULE

Submission Portal Opens	1 Dec. 2026
Special Session Proposals	25 Jan. 2027
Paper Submission Deadline	22 Feb. 2027
Workshop & Tutorial Proposal Submission Deadline	22 March 2027
Notification of Paper Acceptance	26 April 2027
Reduced Registration Fee	31 May 2027
Final Paper Submission	31 May 2027
Exhibition Application	21 June 2027

EMC Europe 2027 Symposium: 23-27 August 2027

www.emceurope2027

Guidance for authors:

Submission must be done here:
www.conftool.org/emceurope2027
To submit the contribution, a new account has to be registered or an existing authors account has to be used

2027 IEEE INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC COMPATIBILITY, SIGNAL & POWER INTEGRITY

PORTLAND, OREGON

EMC SIPI 2027

JULY 12 – JULY 16

CALL FOR SUBMISSIONS

The IEEE EMC Society is seeking original, unpublished papers covering all technologies that are affected by EMC, Signal & Power Integrity

Join us IN-PERSON in Portland, Oregon. Share your insight, ask questions, learn from the experts/innovators and see new products at the 2026 IEEE International Symposium on Electromagnetic Compatibility, Signal & Power Integrity. Your published paper will be seen by thousands in the EMC community and across the wide array of disciplines that look to the IEEE EMC Society for technical guidance. In addition, your paper will be uploaded to IEEE Xplore® and receive the exposure and recognition that brings.

THE COMMITTEE PROPOSES SPECIAL TOPIC AREAS:

Chip-level EMC; Urban Air Mobility (UAM) and EMC requirements; Emerging EMC challenges in Military and Space applications; EMC and SIPI for Data Centers and High-Speed Interconnect; AI/ML application to EMC and SIPI problems.

Special Sessions are unique and dedicated sessions on a specific topic with 4-6 page Traditional Papers. Each paper presents a facet of the specific topic. These sessions can be created by working with the Technical Committees. If interested, you should discuss this with one of the Technical Committees to act as the sponsor.
Abstract-Reviewed Papers are an alternative to the 4–6-page Traditional Paper that enables Authors to present their work without the burden of writing a full manuscript. Abstract-Reviewed Papers have a later submission deadline and only require an extended abstract (approximately one page in length).
Poster Papers are Traditional Papers for which the Author chooses to present their work in an interactive, poster session instead of the typical classroom style presentation.
Workshops & Tutorials are an option for authors covering a fundamental topic, a complex project, or a large dataset. Presentation proposals are submitted instead of a journal paper, and presentation materials (PowerPoint slides) are collected after the proposal is accepted.
Experiments & Demonstrations are for contributors who prefer to share their work as live experiments or demonstrations.

TOPICS OF INTEREST

- **TC-1:** **EMC Management -** Personal & Laboratory Accreditation, EMC Education & Awareness, Legal Issues
- **TC-2:** **EMC Measurements -** Techniques, Test Instrumentation & Facilities, Standards and Regulations, Measurement Uncertainty
- **TC-3:** **EMC Environment -** Signal Environment, Atmospheric & Manmade Noise, Characterization
- **TC-4:** **EM Interference Control -** Shielding, Gaskets, Cables, Connectors, Grounding & PCB Layout
- **TC-5:** **High Power Electromagnetics -** ESD & Transients, EMP, IEMI & Lightning, Geomagnetic Storm EMC
- **TC-6:** **Spectrum Engineering -** Characterization and Modeling, Design, Adaptive Interference Mitigation
- **TC-7:** **Electrical System and Power Electronics EMC -** Power EMC, Conducted Emissions, Power Conversion, Transportation & Electric Vehicles, Grid
- **TC-8:** **Aeronautics and Space EMC -** Aircraft, Atmospheric Environment, Drones, Spacecraft, Missiles
- **TC-9:** **Computational Electromagnetics -** Modeling & Simulation, Multi-Physics Techniques, Tools, and Applications
- **TC-10:** **Signal and Power Integrity -** Interconnects - Modeling & Characterization, Crosstalk, Jitter, Noise
- **TC-11:** **Nanotechnology & Advanced Materials -** Nanomaterials & Nanostructures, Smart Materials
- **TC-12:** **EMC Wireless Technologies -** EMC Planning/Testing/Specifications, Wireless Coexistence
- **SC-3:** **Machine Learning and Artificial Intelligence in EMC and SIPI -** Deep Neural Networks, Support Vector Machines, Gaussian Process Regression, Bayesian Optimization

2027.emcsipi.org

KEY DATES

NOVEMBER 20, 2026:
Submission Deadline for Special Session Proposals

DECEMBER 25, 2026:
Submission Deadline for Traditional and Special Session Papers

JANUARY 15, 2027:
Submission Deadline for Workshops & Tutorials and Experiments & Demonstrations Proposals

FEBRUARY 5, 2027:
Notification of Acceptance/Rejection for Traditional and Special Session Papers

FEBRUARY 19, 2027:
Submission Deadline for Abstract-Reviewed Papers

FEBRUARY 19, 2027:
Notification of Acceptance/Rejection for Workshops & Tutorials and Experiments & Demonstrations

MARCH 5, 2027:
Submission Deadline for Revised Traditional and Special Session Papers

APRIL 8, 2027:
Notification of Acceptance/Rejection for Traditional, Abstract-Reviewed, and Special Session Papers

MAY 7, 2027:
Submission Deadline for Final Papers and Workshop & Tutorial Presentations (Registration Required)

#IEEE_ESP27

IEEE | EMC SOCIETY

2027 IEEE INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC COMPATIBILITY, SIGNAL & POWER INTEGRITY

PORTLAND, OREGON
EMC SIPI 2027
JULY 12 – JULY 16

GUIDELINES FOR AUTHORS & SESSION ORGANIZERS

TRADITIONAL PAPERS
A preliminary manuscript (4 – 6 pages), including all relevant results and conclusions.

ABSTRACT-REVIEWED PAPERS
An extended abstract (one page), including relevant results and conclusions.

SPECIAL SESSIONS
A proposal that includes:
- Title of Special Session
- Abstract detailing the content of the session
- Statement of what makes the session special
- List of planned authors and paper subjects with titles, if available
- Primary and secondary audience

WORKSHOPS & TUTORIALS
A proposal that includes:
- Title of Workshop or Tutorial
- Format: Workshop or Tutorial
- Abstract describing the workshop/tutorial, including objectives, content, and novelty
- List of planned presenters and affiliations with topics/titles
- Primary and secondary audience

EXPERIMENTS & DEMONSTRATIONS
A proposal that includes:
- Title of Experiment or Demonstration
- Abstract describing the experiment or demonstration with sufficient detail for the chairs to review
- List of presenters and affiliations
- A detailed listing of any test equipment required

EMC Society policy is that commercialism shall be prohibited in all workshops and technical sessions. This applies to the written paper or notes as well as any presentation format.

All paper and proposal submissions must be uploaded into the Review System using the link provided on the symposium website (2027.emcsipi.org) beginning **October, 2026**. During the electronic submission process, a unique author code is created for tracking purposes. Failure to comply with submission requirements may result in rejection.

Presentations (30 minutes total) for Traditional, Special, and Abstract-Reviewed Papers will be a 25-minute LIVE presentation in-person followed by a short question and answer period. Times will vary for Workshops and Tutorials based upon the number of presentations in any given session. Further details will be communicated to the authors in due course.

CRITERIA FOR PAPER ACCEPTANCE
- **Importance of Topic:** Does it have direct significance to the EMC, Signal and Power Integrity community?
- **Technical Sophistication and Depth:** Does it present information that is a significant contribution, advancement, application, or refinement of the state of the art? Does it expose the reader to a higher knowledge level than currently available from other sources? Is it clear that the work has been substantially completed or is the submission an interim progress report on a long-term project?
- **Readability, Clarity, and Presentation:** Is the value of the submission clearly defined? Is the material written in clear and concise English with topics presented in an organized and logical manner?
- **Novelty and Originality:** Does it propose a new, unique, and unpublished concept or expand on an existing premise from a unique point of view? Does it present new information on an EMC, Signal or Power Integrity issue that is still in the developmental stage? Note: Authors should only submit original work that has neither appeared elsewhere for publication, nor which is under review for another publication. If authors have used their own previously published work(s) as a basis for a new submission, they are required to cite the previous work(s) and very briefly indicate how the new submission offers substantive novel contributions beyond those of the previously published work(s). (PSPB 8.2.1.B.11)

STUDENT CONTESTS

STUDENT PAPER CONTEST
Graduate and undergraduate authors are eligible for the Best Student Paper contest. The student must be the primary author and should indicate that they wish to be considered for the contest when submitting the preliminary manuscript. Each student's professor will be asked to certify that the paper is primarily the work of the student. It is expected that the co-authors of student papers will be limited to those who provided DIRECT contributions to the paper; in general cases the limit is no more than six authors total, including the student.

STUDENT HARDWARE DESIGN CONTEST
A Student Hardware Design contest is also being held. Undergraduate, Graduate, Ph.D. Students at university/college are eligible to participate in the contest. Topics and other details will be available on the symposium website.

安全与电磁兼容
SAFETY & EMC Magazine

INVITE COOPERATION PARTNERS

PAPER

Show your papers or articles to our 500’000 readers

TRAINING

Show your philosophy to the engineers thirsty for knowledge

PROMOTION

Propagandize your organizations by our professional channels

CONSULTATION

Help your company enter the chinese market smoothly

WeChat

Account: Safety_EMC
E-mail: wangsh@cesi.cn
https://www.safetyandemc.com

APEMC Young Professional Event

May 5, 2026 | **Kuala Lumpur, Malaysia**

APEMC Young Professional Special Session

Chair: Prof. Hanzhi Ma

Invited Talk from EMC Expert

Co-Design for Heterogeneous Integration - Challenges and Opportunities

Jose Schutt-Aine, IEEE Fellow

Professor, University of Illinois Urbana-Champaign

Invited Talk from EMC Young Professional

The Recent Progress of Low-field Portable MRI Hardware, EMC related research, Open-source Efforts, and the Future Perspectives

Shaoying Huang, Associate Professor

Singapore University of Technology and Design

Panel Discussion on Young Professional Development

May 5th
3:50-5:50 pm
KLCC Meeting Room 406

Prof. Er-Ping Li

Prof. Jose Schutt-Aine

Prof. Daryl Beetner

Prof. Shaoying Huang

Dr. Syed Muzahir Abbas

Dr. Cheng Yang

Prof. Hanzhi Ma

APEMC Young Professional Event

May 5, 2026 | Kuala Lumpur, Malaysia

APEMC Young Professional Social Event

It's going to be a great evening of networking with seasoned experts and other young members in our field, enjoying a drink and a delicious dinner, meeting EMC Society Young Professional (YP) Ambassadors, and of course – a handful of prizes/giveaways!

Time: May 5th, 18:30 - 21:00 pm

Venue: Bara On Six | Steakhouse and Bar, Traders Hotel Kuala Lumpur

*Pre-registration is required for this social event.

Organizers:

Hanzhi Ma, IEEE EMC Society YP Ambassador

Patrick DeRoy, IEEE EMC Society YP Representative

PavithraKrishnan Radhakrishnan, IEEE EMC Society YP Ambassador

Previous EMC Society YP Event, Photos by Karthik Vepuri