



# 2024 IEEE ASIA-PACIFIC CONFERENCE ON APPLIED ELECTROMAGNETICS

21 - 23 DECEMBER 2024  
LANGKAWI, MALAYSIA



The 10th APACE, the 2024 IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE2024) will be held at Langkawi, Malaysia from December 21 to December 23. Fully sponsored by the IEEE AP/MTT/EMC Joint Chapter of Malaysia, Academics and practitioners working in the domain of applied electromagnetics are solicited to present latest research findings and best practices, share ideas and initiate networking and collaboration.

## CONFERENCE TOPICS

### ANTENNA

Printed and Patch Antennas, Antenna Arrays, Broadband and Multiband Antennas, Mobile Antennas, Base-station Antennas, Reconfigurable Antennas, Active Antennas, Smart and Beam Steering Antennas, MIMO Antennas, RFID Antennas, Millimeter and Terahertz-wave Antennas, Metamaterial Antennas, Vehicle and Satellite Antennas, Antennas for Biomedical Applications, Antennas for Wireless Communications, Antenna Measurements, Other related topics.

### PROPAGATION

Detecting and Sensing Techniques using Radio Wave, Mobile and Indoor Propagation, Mobile Channel Characterization and Modeling, Millimeter and Optical Wave Propagation, Terrestrial and Earth-space Propagation, Remote Sensing, DOA Estimation, SAR Polarimetry and Interferometry, Ionospheric, Propagation, Other related topics.

### EMERGING TECHNOLOGIES

5G technologies and beyond (6G), additive manufacturing technologies, advanced materials, advanced antenna technologies, High-frequency components and devices, terahertz technologies, Antenna and propagation considerations for IoT devices, Wireless sensor networks and their communication technologies, Low-power and energy-efficient solutions for wireless sensor nodes.

### ELECTROMAGNETIC WAVE THEORY

Computational Electromagnetics, Electromagnetic Theory and Modeling, Analysis for Multi-scale Problem, Inverse Problem, Random Media and Rough Surfaces, EBG and Metamaterials, Scattering and Diffraction, Other related topics.

## IMPORTANT DATE

FULL PAPER SUBMISSION DEADLINE  
**27 JULY 2024** ★

NOTIFICATION OF ACCEPTANCE  
**17 OCTOBER 2024** ★

EARLY BIRD REGISTRATION  
**9 NOVEMBER 2024** ★

REGISTRATION DEADLINE  
**23 NOVEMBER 2024** ★

### EM RELATED TOPIC

Advanced Materials, Antennas & Radiating Elements, Computational Electromagnetic Modelling, Electromagnetic Compatibility, Electromagnetic Wave Applications, Measurement & Sensors, Passive Components & Coupling Structures, Photonics & Terahertz, Propagation in Space, Radar & Satellite Technology, RF/Microwave Circuit & System, Wireless & Mobile Technology

### COMPUTING AND MACHINE INTELLIGENCE

Artificial intelligence for Wireless Technology, Deep Learning and Applications, Genetic algorithms, Intelligent Information Systems, Generative Models, Biometrics and Pattern Recognition, Multimedia Processing, Cognitive and Biologically Inspired Algorithm, Object Detection, Recognition and Categorization, Statistic Learning, Pattern Recognition and Optimisation, Augmented reality, Big Data Analytics, Information Security, Cloud Computing

### INDUSTRIAL ELECTRONICS

Power, Energy and Industry Applications, Industrial and process automation, Smart Manufacturing, IoT for Industry 4.0, Cyber-physical Systems, Robotic and Automation, Instrumentation, Sensors, Actuators, and Systems Integration

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