

► CONFERENCE AT A GLANCE (12/5 Workshops)

12/5 (Tue)	Room 201A	Room 201B	Room 201C	Room 201D
9:00-12:00	TU-A1 Chi-Kuang Chao, Jann-Yeng Liu  Space Communication in Low Earth Orbit	TU-B1 (8:00-12:00) Ko-Tao Lee  Current Status and Future Challenges of GaN RF Technology - From an Industry Perspective	TU-C1 Jun Kondoh, Hiromi Yatsuda  Acoustic Wave Devices for Biomedical Applications	TU-D1 Ken-ya Hashimoto  Emerging Technologies for RF SAW/BAW Devices
	Lunch			
14:00-17:00	TU-A2 Chi-Kuang Chao, Jann-Yeng Liu  Space Communication in Low Earth Orbit	TU-B2 Osman Ceylan, Korkut Kaan Tokgoz  Advanced Techniques and Applications for Large Signal Measurements and Characterization	TU-C2 Hsi-Tseng Chou, Wayne SW Lu  Trends for RF System-in- Package (SiP) Design Toward 5G and Beyond	
	Lunch			

Room 201E	Room 201F	Room 101	Room 102	Room 105
TU-E1 (Tutorial) Chinchun Meng  Analytical Optimization of Single-/Dual-/ Broadband Inductively Source- Degenerated FET LNAs Using Noise Transformation Matrix	TU-F1 Luis Andia  System Technology Co- Optimization for High Performance RF and mmWave Front Ends			
Lunch				
	TU-F2 Alex Lu  Satellite Antenna and Array: Design and Development			

► CONFERENCE AT A GLANCE (12/6 Technical Sessions)

12/6 (Wed)	Room 201A	Room 201B	Room 201C	Room 201D
8:00-8:30-9:50	Opening Ceremony (General Chair) Prof. Jen-Tsai Kuo (TPC Chair) Prof. Pei-Ling Chi (MTT-S President) Prof. Nuno Carvalho (AP-S President) Prof. Stefano Maci Plenary Talk (UCSD) Prof. Gabriel Rebeiz & (TSMC) Dr. J. Sun			
Break				
10:40-12:00	Plenary Talk (MTK) Dr. Conan Zhan & (Cornell) Prof. James Hwang			
12:00-13:30	Lunch			
14:20-16:00	WE-A1 Active Devices and Circuits (I)	WE-B1 Passive Components (I)	WE-C1 Systems (I)	WE-D1 Antennas (I)
Break				
16:20-18:00	WE-A2 Active Devices and Circuits (II)	WE-B2 Passive Components (II)	WE-C2 Systems (II)	WE-D2 Antennas (II)
18:30-20:00	Welcome Reception (TICC 3rd floor)			

Room 201E	Room 201F	Room 101	Room 102	Room 105
Opening Ceremony (General Chair) Prof. Jen-Tsai Kuo (TPC Chair) Prof. Pei-Ling Chi (MTT-S President) Prof. Nuno Carvalho (AP-S President) Prof. Stefano Maci Plenary Talk (UCSD) Prof. Gabriel Rebeiz & (TSMC) Dr. J. Sun				
Break				
Plenary Talk (MTK) Dr. Conan Zhan & (Cornell) Prof. James Hwang				
Lunch				Chapter Chair Meeting (12:00-13:30)
WE-E1 Satellite RF Technology, 5G/6G Mobile Phone Antennas, and R-10 Taipei- Section LMAG	WE-F1 Overview- TASA's Advanced Space- borne Microwave/ Communication Technologies	Amber Sponsor Industry Session (13:00-14:20) DASSAULT SYSTÈMES (13:00-13:20) CYBERNET (13:30-13:50) TMYTEK (14:00-14:20)		
Break				
WE-E2 Wireless Power Transfer Technology	WE-F2 URSI Radio Science Special Session	WE1-IF Interactive Forum I (16:30-18:00) 25 ePosters, (75+15) min/ paper	IEEE Milestone Award Ceremony - Microelectronics Technology Inc. (MTI), Taiwan (17:00-18:30)	
Welcome Reception (TICC 3rd floor)				

► CONFERENCE AT A GLANCE (12/7 Technical Sessions)

12/7 (Thu)	Room 201A	Room 201B	Room 201C	Room 201D
8:00-9:40	TH-A1 Low-Noise Devices and Circuits	TH-B1 Waveguides and Transmission Lines (I)	TH-C1 5G Systems, High-Speed and Broadband Millimeter and THz Wave Systems, and MIMO Systems	TH-D1 Near-/Far-Field Measurement
Break				
10:10-11:50	TH-A2 High-Power Devices and Circuits (I)	TH-B2 Waveguides and Transmission Lines (II)	TH-C2 Artificial Intelligence, Machine Learning, and Deep Learning for Microwave and Wireless Applications	TH-D2 Active Adaptive and Smart Antennas, Reconfigurable and MIMO Antennas and Arrays
11:50-13:00	Lunch			
13:00-15:00	TH-A3 High-Power Devices and Circuits (II)	TH-B3 Transmission Lines and Metamaterials	TH-C3 6G/THz Systems, EMC/EMI and SI/ PI	TH-D3 EM Field Theory, EM Wave Propagation, Wave Scattering and Inverse Scattering, and Body Channel Modeling
Break				
15:30-17:30	TH-A4 High-Power Devices and Circuits (III)	TH-B4 Filters, Resonators, and Reconfigurable Components (I)	TH-C4 Radar and Sensor Systems, Security and Health Monitoring Systems, and Medical and Biomedical Applications (I)	TH-D4 Broadband and Multiband Antennas

Room 201E	Room 201F	Room 101	Room 102	Room 105
TH-E1 Selected Research Activities in the Field of Radar within in the European Region	TH-F1 Advanced RF Component and System Level Technologies for mmW and Sub- THz Frequencies (I)	TH1-IF Interactive Forum II (9:30-11:00) 25 ePosters, (75+15) min/ paper		
Break				
TH-E2 Microwave Biomedical Sensing Technology (I)	TH-F2 Advanced RF Component and System Level Technologies for mmW and Sub- THz Frequencies (II)		ISTP: Futuristic Healthcare Technology and Biomedical Engineering	International Steering Committee Meeting (12:00-14:00)
Lunch				
TH-E3 Microwave Biomedical Sensing Technology (II)	TH-F3 Control Circuits (Mixer, Oscillator, Switch, etc.) (I)	TH2-IF Interactive Forum III (14:30-16:00) 25 ePosters, (75+15) min/ paper		
Break				
TH-E4 Metamaterials and EBG Structures	TH-F4 Development of 38-GHz Real- Time Video Transmission for UAV Applications Using Artificial Intelligence		Prof. Itoh's Memorial Session (15:30-16:30)	



## ► CONFERENCE AT A GLANCE (12/8 Technical Sessions)

12/8 (Fri)	Room 201A	Room 201B	Room 201C	Room 201D
8:00-9:40	FR-A1 High Power Devices and Control Circuits	FR-B1 Filters, Resonators, and Reconfigurable Components (II)	FR-C1 Radar and Sensor Systems, Security and Health Monitoring Systems, and Medical and Biomedical Applications (II)	FR-D1 MIMO Antennas and Arrays
Break				
10:10-11:50	FR-A2 Control Circuits (Mixer, Oscillator, Switch, etc.) (II)	FR-B2 Filters and Resonators	FR-C2 Radar and Sensor Systems, Security and Health Monitoring Systems, and Medical and Biomedical Applications (III)	FR-D2 Antenna Designs, Solutions, and Trends for 5G/ B5G and LEO Satellites
11:50-13:00	Lunch			
13:00-15:00	FR-A3 IOT/M2M/RFID Systems, and Wearable Devices and Systems	FR-B3 Microwave Chemistry: Advantage and Applications in Synthetic Organic Reactions	FR-C3 Wireless Power Transfer Systems, and Energy Harvesting Devices and Systems	FR-D3 Design and Modeling of Advanced 3D RF Component and System
Break				
16:00-17:30	Transportation			
17:30-20:00	APMC 2023 Banquet (Grand Hotel)			

Room 201E	Room 201F	Room 101	Room 102	Room 105
FR-E1 Compact Millimeter Wave and Terahertz Module Integration and 3D Packaging Technology	FR-F1 Recent Advances in mmW/THz Technologies and Measurements	FR1-IF Interactive Forum IV (9:30-11:00) 25 ePosters, (75+15) min/ paper	ISTP: The Truth About 6G Communication	
Break				
FR-E2 Antennas Design in Portable Devices, Wearable Devices, Base Stations, or Vehicles Applications	FR-F2 Performance and Reliability Verification of LEO Satellite, RF Components and Systems			
Lunch			MTT-S Presidential Talk (12:00-13:00)	
Break				
Transportation				
APMC 2023 Banquet (Grand Hotel)				

For detailed advanced technical program, please refer to our e-manual at the official website:  
<https://www.apmc2023.org/e-Manual.pdf>