

Conference Venue & Banquet



Conference Venue

**11/F, A7 Building, Nanshan Park (南山智园 A7 栋),
1001 Xueyuan Road, Xili, Nanshan, Shenzhen**

Banquet

Lixiang Lou Restaurant (荔香楼), Xueyuan Road

12:00	Registration 11/F, A7 Building, Nanshan iPark, 1001 Xueyuan Road, Xili, Nanshan, Shenzhen		
Sessions		Antenna and Propagation (AP): Room A7-1101, 11/F, A7 Building	Page
12:30-12:50	AP-01	Suspended Metal Corner Method for XPD Enhancement of Cavity-Backed Slot M-MIMO <i>Xiao Tan, Changning Wei, and Ke-Li Wu</i> <i>The Chinese University of Hong Kong, Hong Kong.</i>	1
12:50-13:10	AP-02	A Novel Planar dual CP MIMO Antenna with the Polarization Diversity and High Mutual Isolation <i>Muhammad Yasir Jamal and Lijun Jiang</i> <i>The University of Hong Kong, Hong Kong, China.</i>	6
13:10-13:30	AP-03	Design of Small Multi-band Antenna for Full-screen Smartwatch <i>Bing Xiao, Hang Wong, Di Wu, and Kwan L. Yeung</i> <i>City University of Hong Kong, Kowloon, China.</i>	10
13:30-13:50	AP-04	Asymmetrically Corrugated Goubau-Line Antenna for Endfire Radiation <i>Shangkun Ge¹, Qingfeng Zhang¹, and Ross Murch²</i> <i>¹Southern University of Science and Technology, Shenzhen, China.</i> <i>²The Hong Kong University of Science and Technology, Hong Kong</i>	14
13:50-14:10	AP-05	Scalable Wideband High-Gain Array Antenna Fed by E-plane Waveguide Network <i>Ao Li and Kwai-man Luk</i> <i>City University of Hong Kong, Hong Kong SAR, China.</i>	18
14:10-14:30	AP-06	Multi-Band Antennas Based on Half-Mode Substrate-Integrated Waveguide Technique <i>Xujun Yang, Lei Ge, and Xierong Zeng</i> <i>Shenzhen University, Shenzhen, China.</i>	21
14:30-14:50	Tea Break		
14:50-15:10	AP-07	Differentially-Fed Wideband Slot Antenna with End-Fire Radiation under Dual-Resonant Modes <i>Yanhui Xu, Lei Zhu, and Neng-Wu Liu</i> <i>University of Macau, Macau SAR, China.</i>	25

Sessions		Antenna and Propagation (AP): Room A7-1101, 11/F, A7 Building	Page
15:10-15:30	AP-08	Radiation Pattern Reshaping of High-order TM_{12} Mode and Its Application in Dual-band Design <i>Zhong-Xun Liu and Lei Zhu</i> <i>University of Macau, Macau SAR, China.</i>	29
15:30-15:50	AP-09	Single-Layered Magneto-Electric Dipole Antenna <i>Jingtao Zeng and Kwai-Man Luk</i> <i>City University of Hong Kong.</i>	32
15:50-16:10	AP-10	Design of Frequency Dependent Beam Steering Antenna and Array <i>Ge Zhang^{1,2}, Qingfeng Zhang¹, Yifan Chen³, and Ross Murch²</i> <i>¹Southern University of Science and Technology, Shenzhen, China.</i> <i>²Hong Kong University of Science and Technology, Hong Kong.</i> <i>³University of Life Science and Technology, Chengdu, China.</i>	34
16:10-16:30	AP-11	Anomalous Reflection with a Transparent Coding Metasurface <i>Xiaoluo He and Alex M. H. Wong</i> <i>City University of Hong Kong, Hong Kong SAR, China.</i>	38
16:30-16:50	AP-12	A Wideband Triangular Dielectric Resonator Antenna Using 3D-Printing Technology <i>Chen Yang^{1,2}, Kwok Wa Leung^{1,2}, Zhen-Xing Xia^{1,2}, and Kai Lu^{1,2}</i> <i>¹State Key Laboratory of Terahertz and Millimeter Waves, and Department of Electrical Engineering, City University of Hong Kong, Kowloon, Hong Kong SAR, China.</i> <i>²Shenzhen Key Laboratory of Millimeter Wave and Wideband Wireless Communications, CityU Shenzhen Research Institute, Shenzhen 518057, China.</i>	41
16:50-17:10	AP-13	A Wideband Switched-Beam Antenna Array Fed by Compact SingleLayer Butler Matrix <i>Jia Min Wen and Shao Yong Zheng</i> <i>School of Electronic and Information Technology, Sun Yat-sen University, Guangzhou, China.</i>	45
17:10-17:30	Closing Ceremony <i>Xiao Wei Sun, Department Head, Chair Professor</i> <i>Department of Electrical and Electronic Engineering</i> <i>Southern University of Science and Technology, Shenzhen, China</i>		
18:00-20:00	Banquet		

12:00	Registration 11/F, A7 Building, Nanshan iPark, 1001 Xueyuan Road, Xili, Nanshan, Shenzhen		
Sessions		Microwave Theory and Techniques (MTT): Room A7-1008, 10/F, A7 Building	Page
12:30-12:50	MTT-01	A Miniaturized Surface Mount Compatible Quasi-elliptic Response Bandpass Filter Using Multilayer Substrates <i>Jianhui Guo¹ and Sai-Wai Wong²</i> <i>¹South China University of Technology, Guangzhou, China.</i> <i>²Shenzhen University, Shenzhen, China.</i>	49
12:50-13:10	MTT-02	Compact Phase Reconfigurable Couplers With Wide Tuning Range <i>Y. F. Pan¹, W. S. Chan¹, and S. Y. Zheng²</i> <i>¹City University of Hong Kong, Kowloon, Hong Kong.</i> <i>²Sun Yat-Sen University, Guangzhou, China.</i>	52
13:10-13:30	MTT-03	Realization of Impedance Transformer with Ultrahigh Transforming Ratio <i>Hong-Xu Zhu¹, Pedro Cheong^{1,2}, Sut-Kam Ho¹, Kam-Weng Tam¹, and Wai-Wa Choi¹</i> <i>¹University of Macau, Macau SAR, China.</i> <i>²Ecole Polytechnique de Montreal, Montreal, Canada.</i>	56
13:30-13:50	MTT-04	Improving Illumination Uniformity for Magnetic Resonance Imaging Using a Huygens' Box <i>Gabriel G. L. Zhou and Alex M. H. Wong</i> <i>City University of Hong Kong, Hong Kong SAR, China.</i>	60
13:50-14:10	MTT-05	Modularity of Transversal Filter <i>Zai-Cheng Guo¹, Lei Zhu¹, and Sai-Wai Wong²</i> <i>¹University of Macau, Macau SAR, China.</i> <i>²Shenzhen University, Shenzhen, China</i>	63
14:10-14:30	MTT-06	Direct Synthesis and Design of Dispersive Waveguide Bandpass Filters <i>Yan Zhang, and Ke-Li Wu</i> <i>The Chinese University of Hong Kong, Hong Kong.</i>	67
14:30-14:50	Tea Break		

Sessions		Microwave Theory and Techniques (MTT): Room A7-1008, 10/F, A7 Building	Page
14:50-15:10	MTT-07	Synthesis Design of Wideband Balanced Phase Shifters Based on Stub-Loaded Resonator with Common-Mode Suppression <i>Lei-Lei Qiu¹, Lei Zhu¹, and Yun-Peng Lyu²</i> ¹ <i>University of Macau, Macau SAR, China.</i> ² <i>Nanjing University of Posts and Telecommunications, Nanjing, China.</i>	71
15:10-15:30	MTT-08	Quasi-Reflectionless Microstrip Bandpass Filters Using Bandstop Filter for out-of-band improvement <i>Cong Luo¹, Sai-Wai Wong², and Jing-Yu Lin¹</i> ¹ <i>South China University of Technology, Guangzhou, China.</i> ² <i>Shenzhen University, Shenzhen, China.</i>	74
15:30-15:50	MTT-09	WR-1.5 (500-750GHz) waveguide bandpass filter fabricated using high precision CNC machining <i>Daxin Wang¹, Qingfeng Zhang¹, Yi Wang², and M. J. Lancaster²</i> ¹ <i>Southern University of Science and Technology, Shenzhen, China.</i> ² <i>University of Birmingham, Birmingham United Kingdom</i>	78
15:50-16:10	MTT-10	Recent Developments of Hybrid RF-Solar Energy Harvesting Systems <i>Yujie Zhang, Zixiang Han, Shiwen Tang, Shanpu Shen, Chi-Yuk Chiu, and Ross Murch</i> <i>The Hong Kong University of Science and Technology.</i>	82
16:10-16:30	MTT-11	Miniaturized Full-Metal Bandpass Filters Using Circular Spiral Resonators <i>Rui-Sen Chen and Sai-Wai Wong</i> <i>Shenzhen University.</i>	86
16:30-16:50	MTT-12	A Frequency Independently Tunable Dual-Band Bandpass Filter with Large Frequency Ratio <i>Wei Sheng Tang and Shao Yong Zheng</i> <i>School of Electronic and Information Technology, Sun Yat-sen University. Guangzhou, China</i>	90
18:00-20:00	Banquet		