

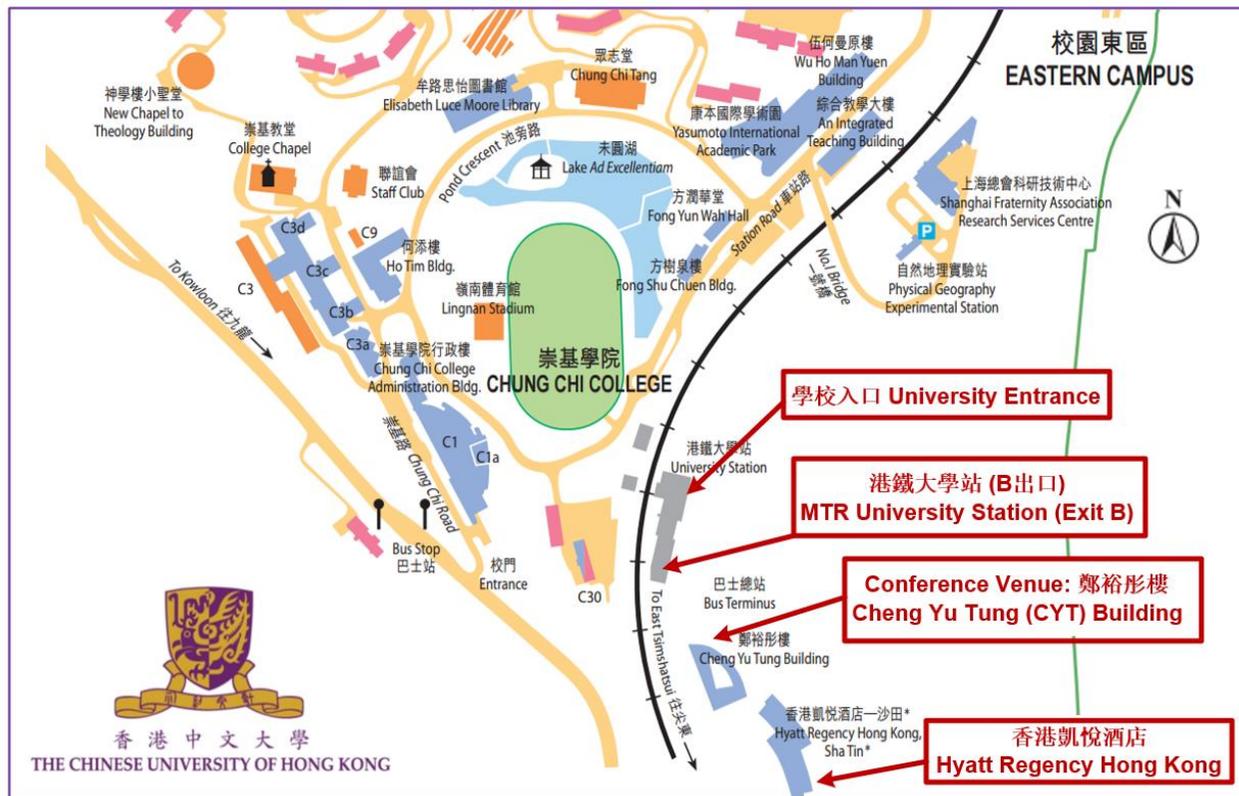
PROGRAM AT A GLANCE

09:00 – 11:30	Registration @ Rm. 214, Cheng Yu Tung (CYT) Building	
09:30 – 11:30	AP Session @ Rm. 201, CYT	MTT Session @ Rm. 202, CYT
11:30 – 12:50	Lunch Time	
12:50 – 14:30	AP Session @ Rm. 201, CYT	MTT Session @ Rm. 202, CYT
14:30 – 14:50	Tea Break	
14:50 – 16:50	AP Session @ Rm. 201, CYT	MTT Session @ Rm. 202, CYT
16:50 – 17:30	Sightseeing of Campus	
17:30	Award Banquet	

CONFERENCE DATE AND VENUE

The 19th IEEE HK AP/MTT Postgraduate Conference will be held on **3 November 2018** at the **Cheng Yu Tung (CYT) Building** in **The Chinese University of Hong Kong**. It is located next to **Exit B** of the **MTR University Station**.

REGIONAL MAP OF CHENG YU TUNG (CYT) BUILDING



SECTION I

Time	AP Session @ Rm. 201, CYT	MTT Session @ Rm. 202, CYT
9:30 - 9:50	AP01 - Circularly-Polarized Filtering Dielectric Resonator Antenna <i>Yan-Ting Liu and Kwok Wa Leung</i> <i>City University of Hong Kong, China.</i>	MTT01 - Machine Learning Based Neural Network Solving Methods for the FDTD Method <i>He Ming Yao, Li Jun Jiang</i> <i>The University of Hong Kong, China.</i>
9:50 - 10:10	AP02 - A Novel Substrate Integrated Waveguide Fed Open Slot Antenna with Enhanced Bandwidth <i>Xuan Yi and Hang Wong</i> <i>City University of Hong Kong, China.</i>	MTT02 - Noncontact RF Voltage Sensing of a Printed Trace via a Capacitive-coupled Probe ^{1,2} <i>Haimi Qiu, Wenxiao Fang, and Lijun Jiang</i> ¹ <i>The University of Hong Kong, China.</i> ² <i>China CEPREI Laboratory, China.</i>
10:10 - 10:30	AP03 - Band-Rejected Wideband Antenna Based on Peelable Resonator Membrane <i>Rong Wang, Min Li., Salahuddin Raju, Robert C. Roberts, Mansun Chan, and Lijun Jiang</i> <i>The University of Hong Kong, China</i>	MTT03 - Huygens' Box: Generating Arbitrary Waveforms Inside Metallic Cavities <i>Kayode A. Oyesina, Omar Zohir Aly, Gabriel G. L. Zhou and Alex M. H. Wong</i> <i>City University of Hong Kong, China.</i>
10:30 - 10:50	AP04 - A High Bandwidth Circularly Polarized Patch Antenna Using DGS <i>M. Yasir Jamal and Lijun Jiang</i> <i>The University of Hong Kong, Hong Kong, China</i>	MTT04 - Numerical Modeling of Periodic Guided-wave Structure using Finite Element Method with Self-calibration <i>Yin Li and Lei Zhu</i> <i>University of Macau, China.</i>
10:50 - 11:10	AP05 - A Low-Profile Wideband Gradient Refractive Index Lens Antenna Based on Metasurface <i>Quan Wei Lin and Hang Wong</i> <i>City University of Hong Kong, China.</i>	MTT05 - On the Design of Coupled Line Doublet Structure for Negative Group Delay <i>Chi-Hou Chio, Kam-Weng Tam, Wai-Wa Choi, and Pedro Cheong</i> <i>University of Macau, China.</i>
11:10 - 11:30	AP06 - Ultra-Wideband Circularly Polarized Crossed-Dipole Antenna <i>Wan Jun Yang and Yong Mei Pan</i> <i>South China University of Technology, China.</i>	MTT06 - Four-Way Spoof Surface Plasmon Polaritons Splitter/Combiner <i>Shi-Yan Zhou¹, Sai-Wai Wong², Jing-Yu Lin¹, Lei Zhu³, Yejun He² and Zhi-Hong Tu¹</i> ¹ <i>South China University of Technology,</i> ² <i>Shenzhen University, China.</i> ³ <i>University of Macau, China.</i>
11:30 - 12:50	Lunch Time	

SECTION II

Time	AP Session @ Rm. 201, CYT	MTT Session @ Rm. 202, CYT
12:50 - 13:10	AP07 - A Compact Rectenna for Nondirectional Ambient RF Energy Harvesting <i>S. H. Wang and S. Y. Zheng</i> <i>Sun Yat-Sen University, China.</i>	MTT07 - A Novel Wideband Filtering Power Divider with Embedding Three-Line Coupled Structures <i>Xi Yu and Sheng Sun</i> <i>University of Electronic Science and Technology of China, China.</i>
13:10 - 13:30	AP08 - Dual-Polarized and Multi-Beam Cross-Mesh Array Antenna for RF Energy Harvesting Applications <i>Yi-Yao Hu and Sheng Sun</i> <i>University of Electronic Science and Technology of China, China.</i>	MTT08 - Simultaneous Frequency and Coupling Coefficient Reconfigurable Hybrid Coupler <i>Q. Z. Quan and S. Y. Zheng</i> <i>Sun Yat-sen University, China.</i>
13:30 - 13:50	AP09 - Compact Steerable Dual-Beam Metasurface Antenna Array for Base-station Application <i>Lizheng Gu[*], Wanchen Yang[†], Wenquan Che^{*†}, Qian Meng[*], and Quan Xue[†]</i> [*] Nanjing University of Science and Technology, China, [†] South China University of Technology, China.	MTT09 - Wideband Filtering Balun Using Stacked Composite Resonator <i>Lin-Ping Feng and Lei Zhu</i> <i>University of Macau, University of Macau, Macau SAR, China.</i>
13:50 - 14:10	AP10 - Compact Dual-Band Dual-Polarized Base-Station Antenna Array in a Small Frequency Ratio <i>Wen Duan, Xiu Yin Zhang</i> <i>South China University of Technology, China.</i>	MTT10 - Wideband High-efficiency Power Amplifier Using Band-pass Filtering Matching Method <i>Qi Cai[*], Wenquan Che^{*†}, Guangxu Shen[*], Quan Xue[†]</i> [*] Nanjing University of Science and Technology, China, [†] South China University of Technology, China.
14:10 - 14:30	AP11 - Reconfigurable Full Metal Back Cover Chassis Antenna Design Using the Theory of Characteristic Modes Analysis <i>Fan JIANG^{†,††}, Chi-Yuk CHIU[†], Shanpu SHEN[†], Qingsha S. CHENG^{††} and Ross D. MURCH[†]</i> [†] Hong Kong University of Science and Technology, China. ^{††} Southern University of Science and Technology, China.	MTT11 - Novel Dual Power-Mode CMOS Differential Power Amplifier Design Using Single Supply Voltage and a Compact Reconfigurable Output Combining Network <i>Chenxi Zhai and Kwok-Keung M. Cheng</i> <i>The Chinese University of Hong Kong, China.</i>
14:30 - 14:50	Tea Break	

SECTION III

Time	AP Session @ Rm. 201, CYT	MTT Session @ Rm. 202, CYT
<p>14:50 - 15:10</p>	<p>AP12 - Modeling of the screen in smartphone antenna design Bing Xiao¹, Hang Wong², Kwan L. Yeung¹ ¹The University of Hong Kong, China. ²City University of Hong Kong, China.</p>	<p>MTT12 - A Design of Bandwidth-Enhanced Cavity-Backed Slot Filtenna Using Resonance Windows Yu-Ming Wu¹, Sai-Wai Wong², Hang Wong³, Fu-Chang Chen¹ ¹South China University of Technology, China. ²Shenzhen University, China. ³City University of Hong Kong, China.</p>
<p>15:10 - 15:30</p>	<p>AP13 - Physically Derived Circuit Model for Antennas Yuhang Dou and Ke-Li Wu The Chinese University of Hong Kong, China.</p>	<p>MTT13 - Highly-Selective Dual-band Bandpass Filter With Extremely Wide Tuning Range for Passbands Jian-Hui Guo¹, Sai-Wai Wong², Lei Zhu³, Ze-Ming Xie¹, Long Zhang², Yejun He², Eric S. Li⁴ ¹South China University of Technology, China. ²Shenzhen University, China. ³University of Macau, China. ⁴National Taipei University of Technology.</p>
<p>15:30 - 15:50</p>	<p>AP14 - Multi-element MIMO Antenna Decoupling Min Li and Lijun Jiang The University of Hong Kong, China.</p>	<p>MTT14 - Compact On-Chip Millimeter-wave Bandpass Filter With Meandered Grounding Resonator in 0.13-μm (Bi)-CMOS Technology Cong Luo¹, Sai-Wai Wong², Xi Zhu³, Yang Yang³ ¹South China University of Technology. ²Shenzhen University, China. ³University of Technology Sydney, Australia.</p>
<p>15:50 - 16:10</p>	<p>AP15 - How Low Does Mutual Coupling Need To Be for MIMO Antennas Xide Mei and Ke-Li Wu The Chinese University of Hong Kong, China.</p>	<p>MTT15 - A Post-fabrication Tuning Method using Space Mapping and Surrogate Modeling Techniques Song Li^{1,2}, Xiaolin Fan^{1,2}, Qingsha S. Cheng², Yu Kuang², Liangkai Zhou², and Paul D. Laforge¹ ¹University of Regina, Canada. ²Southern University of Science and Technology, China.</p>
<p>16:10 - 16:30</p>	<p>AP16 - Array-antenna Decoupling Surface (ADS) for 2D Dual Polarized M-MIMO Array-antenna Changning Wei, Ke-Li Wu, Xide Mei, Zhen-yuan Zhang The Chinese University of Hong Kong, China.</p>	<p>MTT16 - A Low profile Triple-Mode Dielectric Resonator Filter with Conductor-Loaded and Slot-Coupling Lu Qian, Qing-Xin Chu South China University of Technology, China.</p>
<p>16:30 - 16:50</p>	<p>AP17 - Validation of Liquid Crystal (LC)-based Frequency-Agile Antenna Yujie Zhang, Shanpu Shen, Chi-Yuk Chiu, and Ross D. Murch The Hong Kong University of Science and Technology, China.</p>	<p>MTT17 - An Isospectral Flow Method for Synthesizing Microwave Filters with Dispersion Yan Zhang and Ke-Li Wu The Chinese University of Hong Kong, China.</p>

VIEW OF CUHK CAMPUS



Organizing Committee

The conference is jointly organized by IEEE HK AP/MTT Joint Chapter and the Radiofrequency Radiation Research Laboratory, Chinese University of Hong Kong.

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Chinese University of Hong Kong

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