

SC6 Microwave Photonics

- Shilong Pan**, Nanjing University of Aeronautics and Astronautics, China (Chair)
Antonella Bogoni, National Laboratory of Photonic Networks of CNIT, Italy (Co-chair)
Ming Li, Institute of Semiconductors, CAS, China (Co-chair)
Xiaoke Yi, The University of Sydney, Australia (Co-chair)
Fabien Bretenaker, French National Centre for Scientific Research, France
Lawrence Chen, McGill University, Canada
Yitang Dai, Beijing University of Posts and Telecommunications, China
Jungwon Kim, Korea Advanced Institute of Science and Technology, South Korea

Location: 1F, Degas, Convention Centre

August 7		
Presider: Fabien Bretenaker, Laboratoire Aimé Cotton, France		
13:30-14:15	<i>Microwave photonics</i> Thas Nirmalathas , University of Melbourne, Australia	Ⓞ p121
14:15-14:45	<i>Recent advances in optoelectronic oscillators</i> Ming Li , Institute of Semiconductors, CAS, China	Ⓞ p122
14:45-15:15	<i>The six-port in microwave photonics</i> Zhenzhou Tang , Nanjing University of Aeronautics and Astronautics, China & Ghent University, Belgium	Ⓞ p122
15:15-15:30	CIOP2019-2019-000136 <i>Hybrid integration of high-speed MUTC-PD on SOI</i> Enfei Chao , Tsinghua University, China	Ⓞ p129
15:30-16:00	Coffee Break	
Presider: Shilong Pan, Nanjing University of Aeronautics and Astronautics, China		
16:00-16:30	<i>Frequency-time coherence and dispersion engineering for microwave photonic applications</i> Thomas Schneider , Technical University-Braunschweig, Germany	Ⓞ p123
16:30-17:00	<i>Microwave photonic radar</i> Wangzhe Li , Institute of Electronics, CAS, China	Ⓞ p123
17:00-17:15	CIOP2019-2019-000361 <i>Stable OFC generator based on cascaded phase modulators</i> Xiangchuan Wang , Nanjing University of Aeronautics and Astronautics, China	Ⓞ p129
17:15-17:30	CIOP2019-2019-000532 <i>Low-noise Dual-frequency VECSELs realized with correlated pumping</i> Hui Liu , Laboratoire Aimé Cotton, CNRS, Université Paris–Sud, ENS Paris–Saclay, Université Paris–Saclay, Orsay, France	Ⓞ p129

August 8		
Presider: Ming Li, Institute of Semiconductors, CAS, China		
09:00-09:30	<i>Integrated microwave photonics: from photons to radio waves on a chip</i> Guillermo Carpintero , Universidad Carlos III de Madrid, Spain	⓪ p124
09:30-10:00	<i>Non-Hermitian microwave photonic systems</i> Jiejun Zhang , Jinan University, China	⓪ p125
10:00-10:30	<i>High performance microwave photonic coherent receiver</i> Yunxin Wang , Beijing University of Technology, China	⓪ p125
10:30-11:00	Coffee Break	
Presider: Thas Nirmalathas, University of Melbourne, Australia		
11:00-11:30	<i>High speed PON and RoF based optical access technologies for 5G and beyond</i> Hwan Seok Chung , Electronics and Telecommunications Research Institute (ETRI), South Korea	⓪ p126
11:30-12:00	<i>Microwave signal processing with optoelectronic oscillator</i> Xiuyou Han , Dalian University of Technology, China	⓪ p127
12:00-13:30	Lunch Break	
Presider: Yunxin Wang, Beijing University of Technology, China		
13:30-14:00	<i>RF signal generation, hopping and switching based on negative wavelength detuning in SMFP-LDs</i> Bikash Nakarmi , Nanjing University of Aeronautics and Astronautics, China	⓪ p127
14:00-14:30	<i>Microwave photonic system with bandwidth scaling</i> Feifei Yin , Beijing University of Posts and Telecommunications, China	⓪ p128
14:30-14:45	CIOP2019-2019-000123 <i>Parity-time-symmetry based optoelectronic oscillator</i> Haitao Tang , Wuhan National Laboratory for Optoelectronics, Huazhong University of Science and Technology, China	⓪ p129
14:45-15:00	CIOP2019-2019-000335 <i>Optical sensor network interrogation based on nonuniformly spaced microwave photonic delay-line filter</i> Dongrui Xiao , Southern University of Science and Technology, China	⓪ p129
15:30-17:30	Poster Session & Coffee Break, 1F	