### 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 |  
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| **13:30-14:15** | **Microwave photonics**  
*Thas Nirmalathas,* University of Melbourne, Australia  
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| **14:15-14:45** | **Recent advances in optoelectronic oscillators**  
*Ming Li,* Institute of Semiconductors, CAS, China  
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| **14:45-15:15** | **The six-port in microwave photonics**  
*Zhenzhou Tang,* Nanjing University of Aeronautics and Astronautics, China & Ghent University, Belgium  
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| **15:15-15:30** | **CIOP2019-2019-000136**  
*Hybrid integration of high-speed MUTC-PD on SOI*  
*Enfei Chao,* Tsinghua University, China  
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| **15:30-16:00** | **Coffee Break**  
**Presider:** Shilong Pan, Nanjing University of Aeronautics and Astronautics, China  
| **16:00-16:30** | **Frequency-time coherence and dispersion engineering for microwave photonic applications**  
*Thomas Schneider,* Technical University-Braunschweig, Germany  
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| **16:30-17:00** | **Microwave photonic radar**  
*Wangzhe Li,* Institute of Electronics, CAS, China  
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| **17:00-17:15** | **CIOP2019-2019-000361**  
*Stable OFC generator based on cascaded phase modulators*  
*Xiangchuan Wang,* Nanjing University of Aeronautics and Astronautics, China  
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| **17:15-17:30** | **CIOP2019-2019-000532**  
*Low-noise Dual-frequency VECSELs realized with correlated pumping*  
*Hui Liu,* Laboratoire Aimé Cotton, CNRS, Université Paris–Sud, ENS Paris–Saclay, Université Paris–Saclay, Orsay, France  
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### August 8

**Presider: Ming Li, Institute of Semiconductors, CAS, China**

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<td>Integrated microwave photonics: from photons to radio waves on a chip</td>
<td>Guillermo Carpintero, Universidad Carlos III de Madrid, Spain</td>
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<td>09:30-10:00</td>
<td>Non-Hermitian microwave photonic systems</td>
<td>Jiejun Zhang, Jinan University, China</td>
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<td>High performance microwave photonic coherent receiver</td>
<td>Yunxin Wang, Beijing University of Technology, China</td>
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<td>11:00-11:30</td>
<td>High speed PON and RoF based optical access technologies for 5G and beyond</td>
<td>Hwan Seok Chung, Electronics and Telecommunications Research Institute (ETRI), South Korea</td>
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<td>11:30-12:00</td>
<td>Microwave signal processing with optoelectronic oscillator</td>
<td>Xiuyou Han, Dalian University of Technology, China</td>
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<td>12:00-13:30</td>
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<td>RF signal generation, hoping and switching based on negative wavelength detuning in SMFP-LDs</td>
<td>Bikash Nakarmi, Nanjing University of Aeronautics and Astronautics, China</td>
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<td>Microwave photonic system with bandwidth scaling</td>
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<td>CIOP2019-2019-000123 Parity-time-symmetry based optoelectronic oscillator</td>
<td>Haitao Tang, Wuhan National Laboratory for Optoelectronics, Huazhong University of Science and Technology, China</td>
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<td>CIOP2019-2019-000335 Optical sensor network interrogation based on nonuniformly spaced microwave photonic delay-line filter</td>
<td>Dongrui Xiao, Southern University of Science and Technology, China</td>
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