



Photonics @ SG

Final Program: Download HERE (download/Final Program Web Aug 1.pdf)

Addendum: Download HERE (download/Addendum.pdf)

Postdeadline Papers: Check at HERE (http://www.photonics2017.org/post_accept.php)

CLEO-PR, OECC and PGC 2017 will be held during 31 July - 4 August 2017 at Sands Expo and Convention Centre, Singapore. The aim of this conference is to foster interactions among broad disciplines in the photonics family. This mega conference brings together international leading researchers, scientists and engineers who are actively working in lasers and their applications, nanophotonics, metamaterial, biophotonics, plasmonics, optical devices, optical transmission and optical networking, optical fibers, optical switching system and related technologies. The conference will combine the following three major international conferences, which widely covers in the field of "Photonics" from devices to systems and networks.

- The 12th Conference on Lasers and Electro-Optics Pacific Rim (CLEO-PR 2017)
- The 22nd OptoElectronics and Communications Conference (OECC 2017)
- The 5th Photonics Global Conference 2017 (PGC 2017)

This is the first time we host CLEO-PR and OECC in Singapore. The conference will provide a platform for international academics, researchers, practitioners and students working in the photonics areas to discuss new developments, concepts and practices, and to identify synergies in research directions that will lead to broader and deeper applications of photonics. In parallel with CLEO-PR, OECC and PGC 2017, we also host a student-led Photonics Global Student Conference (PGSC) with the support of OSA, IEEE Photonics Society and SPIE. This mega photonics conference will be the biggest platform in Singapore for researchers around the world to exchange ideas and latest research results. We look forward to your participation so as to make this conference an exciting and fruitful event. Papers presenting original work in, but not limited to, the technical symposia/special sessions are invited for submission.

Important Dates

Wed. 02 Aug				
08:30-10:15 Session: 2-1	Room A: 4401 Fiber-Based Technologies and Applications III	Room B: 4403 Silicon Photonics	Room C: 4405 Interferometric Fiber Optic Sensors and Systems	Room D: 4501 Metamaterials & Metasurfaces
08:30-10:15 Session: 2-1	Room E: 4503 Photonic Devices - Towards On-chip Integration I	Room F: 4505 Compound Semiconductor for NIR and MIR	Room G: 4301 Advanced Lasers and Applications II	Room H: 4201 High Power, High Energy Lasers III
08:30-10:15 Session: 2-1	Room I: 4812 Fundamentals of Entrepreneurship	Room J: 4912 Modulation Properties of 2D Materials	Room K: 4203 Advanced Optical Network Design	Room L: 4303 Frequency Combs and Waveguide Devices
08:30-10:15 Session: 2-1	Room M: 4611 Laser Surface Modification	Room N: 4612 Optical Interconnection III	Room O: 4613 Quantum Communication	Room P: 4711 Optical Sensor Technology I
08:30-10:15 Session: 2-1	Room Q: 4712 Terahertz Science, Technology and Applications III	Room R: 4713 Optical 3D Microfabrication for Photonics I	Room S: 4811 Photonics Technologies for Primary Point-of-care and Global Health III	Room T: 4911 Bioimaging and Biosensing
10:15-10:45	Morning Tea, Coffee Break (Room 4701)			
10:15—11:45	Poster Session 1 (Room 4603-4604)			
10:45-12:30 Session: 2-2	Room A: 4401 Fiber-Based Technologies and Applications IV	Room B: 4403 Photonic Integration	Room C: 4405 Special Fiber Sensors	Room D: 4501 Plasmonics I
10:45-12:30 Session: 2-2	Room E: 4503 Photonic Devices - Towards On-chip Integration II	Room F: 4505 High Intensity Ultrafast Phenomena I	Room G: 4301 Advanced Lasers and Applications III	Room H: 4201 Solitons and Related Nonlinear Effects
10:45-12:30 Session: 2-2	Room I: 4812 Industry and Entrepreneurship	Room J: 4912 2D Materials for Chemical and Photo-detection	Room K: 4203 Next Generation Optical Access Networks	Room L: 4303 Optical Signal Processing
10:45-12:30 Session: 2-2	Room M: 4611 Laser Texturing and Patterning I	Room N: 4612 Integrated Photonics for Optical Signal Processing	Room O: 4613 Quantum Emitters and Modules	Room P: 4711 Optical Sensor Technology II
10:45-12:30 Session: 2-2	Room Q: 4712 Black Phosphorus	Room R: 4713 Optical 3D Microfabrication for Photonics II	Room S: 4811 Photonics Technologies for Primary Point-of-care and Global Health IV	Room T: 4911 Emerging Biotechnologies
12:30-14:00	Buffet Lunch (Room 4701)			
14:00-15:45 Session: 2-3	Room A: 4401 Fiber-Based Technologies and Applications V	Room B: 4403 Waveguide Design	Room C: 4405 Fiber Grating Sensors II	Room D: 4501 Plasmonics II
14:00-15:45 Session: 2-3	Room E: 4503 Photonic Devices - Emerging Applications	Room F: 4505 High Intensity Ultrafast Phenomena II	Room G: 4301 Advanced Materials and Structures	Room H: 4201 Nonlinear Optics in Novel Optical Structures
14:00-15:45 Session: 2-3	Room I: 4812 Academic Entrepreneurs	Room J: 4912 Plasmonics and Metamaterials III	Room K: 4203 Optical Wireless Transmission and Novel Technique	Room L: 4303 Nonlinearity Mitigation Techniques
14:00-15:45 Session: 2-3	Room M: 4611 Laser Texturing and Patterning II	Room N: 4612 Integrated Optical Transceivers	Room O: 4613 Atoms and Their Applications	Room P: 4711 Optical Imaging
14:00-15:45 Session: 2-3	Room Q: 4712 Transition Metal Dichalcogenides	Room R: 4713 The Role of Optics in Fronthaul and Backhaul for 5G Networks and Beyond I	Room S: 4811 Photonics Technologies for Primary Point-of-care and Global Health V	Room T: 4911 Fiber Optics and Waveguide for Biomedicine
15:45-16:15	Afternoon Tea, Coffee Break (Room 4701)			
15:45—17:15	Poster Session 2 (Room 4603-4604)			

Conference Program

Room A: 4401 Fiber-Based Technologies and Applications III President: Fei Xu	Room B: 4403 Silicon Photonics President: Daoxin Dai	Room C: 4405 Interferometric Fiber Optic Sensors and Systems President: Zhifang Wu	Room D: 4501 Metamaterials & Metasurfaces President: Patrice Genevet
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08:30--09:00
Oral 2-1A-1
Invited

A Fiber-optics Platform For Study Of Cells
Walter Margulis, Sebastian Etcheverry, Muhammad Asim Faridi, Harisha Ramachandraiah, Aziza Sudirman, Aman Russom, Fredrik Laurell
 RISE Acreo



09:00--09:30
Oral 2-1A-2
Invited

Multimode Fiber Spectrometer
Hui Cao
 Yale Univ



09:30--10:00
Oral 2-1A-3
Invited

Hybrid Optical Fibers: A Platform For Nanoscale Photonics And Nonlinear Light Generation
Markus Schmidt
 Leibniz Institute of Photonic Technology



10:00--10:30
Oral 2-1A-4
Invited

Publishing In Nature Communications
Lina Persechini
 Nature Communications



08:30--09:00
Oral 2-1B-1
Invited

All-fiber Integrated Silicon Photonics
Li-Min Xiao
 Fudan Univ



09:00--09:30
Oral 2-1B-2
Invited

Self-Heating In Depletion-Type Si Ring Modulators
W.-Y. Choi, M.-J. Shin, B.-M. Yu, Lars Zimmermann
 Yonsei Univ



09:30--10:00
Oral 2-1B-3
Invited

Silicon Photonics-based Integrated Optical Subassembly For Next Generation Coherent Transceivers
Akimasa Kaneko
 NTT



10:00--10:30
Oral 2-1B-4
Invited

Fully Suspended Silicon Slot Waveguides And Resonators
Wen Zhou, Hon Ki Tsang
 Chinese Univ of Hong Kong



08:30--09:00
Oral 2-1C-1
Invited

High-speed Interferometric Fiber Optic Displacement Sensor With Sub-nm Resolution
Lun-Kai Cheng, Ronald Hagen, Lodi Schriek, Peter Toet, Oana Van der Togt
 TNO

09:00--09:15
Oral 2-1C-2
Anisotropic Nanochain-Clusters Of Nanoferrofluid And Its Applications In Vector Magnetometer
Jinde Yin
 Shenzhen Univ

09:15--09:30
Oral 2-1C-3
Graphene-Coated In-Fiber Mach-Zehnder Interferometer For Ammonia Gas Sensing
Ting Hao, Kin Seng Chiang
 City Univ of Hong Kong

09:30--09:45
Oral 2-1C-4
Analysis Of Signal Spectrum Broadening Of Laser Doppler Velocimetry
Yixiong He, Shuling Hu, Ziao Wan, Zhuo Deng
 Beihang Univ

09:45--10:00
Oral 2-1C-5
Three-dimensional Object Profiling By FMCW Optical Ranging System Using A VCSEL
Koichi Iiyama, Tatsuya Washizuka, Kohei Yamaguchi
 Kanazawa Univ

10:00--10:15
Oral 2-1C-6
Ultrasensitive Pressure Sensor Realized With Two-semicircle Hole Fiber Based On Sagnac Interferometer
Zhengyong Liu, Lin Htein, Hwa-Yaw Tam
 The Hong Kong Polytechnic Univ



08:30--09:00
Oral 2-1D-1
Invited

Metasurface-Based Nanophotonic Devices
Nanfeng Yu
 Columbia Univ



09:00--09:30
Oral 2-1D-2
Invited

Spin-controlled Multitasking Geometric Phase Metasurfaces
Erez Hasman
 Technion - Israel Inst. of Technology

09:30--09:45
Oral 2-1D-3
Physics Of Chiroptical Spectroscopy Using Metamaterials
SeokJae Yoo, Q-han Park
 Korea Univ



09:45--10:15
Oral 2-1D-4
Invited

Realization Of 3D Metamaterials At Optical Frequencies
Junsuk Rho
 Pohang Univ of Science and Technology

Wed, 02.08.2017