

ISPOC 2017 Technical Program

October 25 (Wed)-26 (Thu), 2017
RIEC Nano-Spin Laboratory Building 4F Conference Room

Wednesday, October 25

10:00-10:10	Opening Remarks Masataka Nakazawa (RIEC, Tohoku Univ.)
10:10-10:20	Welcome Address Sadayoshi Ito (Board of Directors, Tohoku University)
10:20-11:30	Session 1
Plenary talk 10:20-11:00	Erich P. Ippen (Massachusetts Institute of Technology, USA) "Progress Toward an Integrated Photonic On-Chip Optical Frequency Synthesizer"
Invited talk (1) 11:00-11:30	Tao Chu (Zhejiang University, China) "Silicon Photonic Devices for HPC and DC Applications"
11:30-12:00	Exhibition and Coffee Break (Room A401 at RIEC Nano-Spin Laboratory Building)
12:00-13:00	Session 2
Presentation (1) 12:00-12:30	Tomohiro Kita and Hirohito Yamada (Dept. of Communication Engineering, Tohoku University) "Tunable Lasers with Silicon Photonic External Cavity"
Presentation (2) 12:30-13:00	Hiroshi Yasaka (RIEC, Tohoku University) "Frequency Response Control of Semiconductor Laser toward Ultra-High-Speed Operation"
13:00-14:00	Lunch
14:00-15:30	Poster Session (RIEC Main Building 1F Lounge) 6th Tohoku University Optical Science and Engineering Forum
15:30-16:00	Exhibition and Coffee Break (Room A401 at RIEC Nano-Spin Laboratory Building)
16:00-17:30	Session 3
Invited talk (2) 16:00-16:30	Joe Sakai (Université de Tours, France) "Pulsed Laser Deposition and Phase Transition of Vanadium Oxide Films"
Presentation (3) 16:30-17:00	Yoichi Uehara (RIEC, Tohoku University) "Vibrational Spectroscopy by Scanning Tunneling Microscope (STM) Light Emission "
Presentation (4) 17:00-17:30	Shunichi Sato (IMRAM, Tohoku University) "Superresolution Imaging by Vector Beams"
18:00-20:00	Reception
Thursday, October 26	
9:30-10:30	Session 4
Invited talk (3) 9:30-10:00	Wojciech M. Knap (Montpellier University, France) "Terahertz Imaging and Wireless Communication with Nanometer Field Effect Transistors "
Presentation (5) 10:00-10:30	Taiichi Otsuji (RIEC, Tohoku University) "Terahertz light emission and lasing in graphene-based 2d heterostructures"
10:30-11:00	Exhibition and Coffee Break (Room A401 at RIEC Nano-Spin Laboratory Building)
11:00-12:00	Session 5
Invited talk (4) 11:00-11:30	Kali Prasanna Nayak (University of Electro-Communications, Japan) "Developing an Optical Nanofiber Cavity for a Quantum Interface "
Presentation (6) 11:30-12:00	Mark Sadgrove and Keiichi Edamatsu (RIEC, Tohoku University) "Characterization of a Chiral Nano-Optical Device "
12:00-13:30	Lunch
13:30-15:10	Session 6
Invited talk (5) 13:30-14:00	Yasuhiro Matsui (Finisar Corporation, USA) "New era of high-speed DML toward 100-GHz bandwidth"
Presentation (7) 14:00-14:30	Takashi Matsuoka (IMR, Tohoku University) "Application of Nitride Semiconductors for Communications Systems"
Special presentation 14:30-15:10	Masataka Nakazawa (RIEC, Tohoku University) "The EDFA Odyssey from Optical Soliton to Coherent Nyquist Pulse"
15:10-15:20	Closing Remarks Taiichi Otsuji (RIEC, Tohoku University)