

理研シンポジウム
第7回 「光量子光学研究」



Program

Monday, 9, December

09:50-09:55		Opening Remarks Katsumi Midorikawa, <i>Director, RIKEN Center for Advanced Photonics</i>
09:55-10:15	OS-01	Multi-TW three-channel optical waveform synthesizer Bing Xue, <i>Attosecond Science Research Team</i>
10:15-10:35	OS-02	Time-Resolved Surface-Enhanced Impulsive Stimulated Raman Spectroscopy for Probing Hot-Electron Driven Adsorbate Dynamics Pardeep Kumar, <i>Ultrafast Spectroscopy Research Team</i>
10:35-10:55	OS-03	Development of transportable optical lattice clocks for geodetic applications Masao Takamoto, <i>Space-Time Engineering Research Team</i>
10:55-11:05		-Coffee Break-
11:05-11:25	OS-04	Super-resolution imaging of carbon nanotubes using a nonlinear excitonic process Keigo Otsuka, <i>Quantum Optoelectronics Research Team</i>
11:25-11:45	OS-05	Mid-infrared solid-state lasers based on transition metal ion doped II-VI chalcogenides Masaki Yumoto, <i>Photonics Control Technology Team</i>
11:45-12:15	IL-01	Invited Lecture 1 Integration of advanced sensor array and machine learning towards artificial olfaction Genki Yoshikawa, <i>National Institute for Materials Science</i>
12:15-13:30		- Lunch -
13:30-15:30		- Poster Session -
15:30-15:50	OS-06	Dynamics of membrane traffic in the neuronal growth cone revealed by super-resolution live imaging Takuro Tajima, <i>Live Cell Super-Resolution Imaging Research Team</i>
15:50-16:20	IL-02	Invited Lecture 2 Real-time Forecasting of IoT Big Data: Foundations and Challenges Yasushi Sakurai, <i>Osaka University</i>
16:20-16:30		- Coffee Break -
16:30-16:50	OS-07	Seeing inside the “transparent” brain Tetsushi Hoshida, <i>Biotechnological Optics Research Team</i>
16:50-17:10	OS-08	Focusing Mirror for Neutron Reflectometry Takuya Hosobata, <i>Ultra-high Precision Optics Technology Team</i>
17:10-17:40	IL-03	Invited Lecture 3 Modeling with international standards to ensure reusability of digital information Kimitoshi Tsuji, <i>Toyota Motor Corporation</i>
18:00-20:00		Banquet at Hirosawa Club

Tuesday, 10, December

09:50-10:00		Welcome Address from RIKEN Hidetoshi Kotera, <i>Executive Director, RIKEN</i>
10:00-10:30	IL-04	Invited Lecture 4 Imaging the Blackhole shadow with the Event Horizon Telescope Shiro Ikeda, <i>The Institute of Statistical Mathematics</i>
10:30-10:50	OS-09	樹脂包埋法を用いた BNA 結晶の超精密加工技術の開発 Masahiro Takeda, <i>Advanced Manufacturing Support Team</i>
10:50-11:00		– Coffee Break –
11:00-11:20	OS-10	Fabrication of Randomly Rotated 3D-Plasmonic Metamaterial using Electron Beam Lithography, and study their optical behavior Bikas Ranjan, <i>Innovative Photon Manipulation Research Team</i>
11:20-11:40	OS-11	Simultaneous nanomaterial synthesis and surface nanostructuring via femtosecond laser ablation in liquids and corresponding applications Dongshi Zhang, <i>Advanced Laser Processing Research Team</i>
11:40-13:00		– Lunch –
13:00-13:20	OS-12	高強度テラヘルツ光が誘起する高分子高次構造の変化 Hiromichi Hoshina, <i>Terahertz Sensing and Imaging Research Team</i>
13:20-13:40	OS-13	Recent Progress of Organic Nonlinear Crystals for High-Power and Broadband THz-Wave Generation Takashi Notake, <i>Tera-Photonics Research Team</i>
13:40-14:00	OS-14	Recent progress of high output power THz QCLs by reducing parasitic leakage current Tsung-Tse Lin, <i>Terahertz Quantum Device Research Team</i>
14:00-14:10		– Coffee Break –
14:10-14:30	OS-15	Development of neutron source RANS-II Tomohiro Kobayashi, <i>Neutron Beam Technology Team</i>
14:30-15:00	IL-05	Invited Lecture 5 From diffuse optical tomography to "light transport tomography" Yoko Hoshi, <i>Hamamatsu University School of Medicine</i>
15:00-15:10		– Coffee Break –
15:10-15:30	OS-16	Robust Plane Fitting for Road Inspection Shin Yoshizawa, <i>Image Processing Research Team</i>
15:30-16:00	IL-06	Invited Lecture 6 Bayesian measurement Masato Okada, <i>The University of Tokyo</i>
16:00-16:10		Closing Remarks Katsumi Midorikawa, <i>Director, RIKEN Center for Advanced Photonics</i>

※このシンポジウムは、理研シンポジウムの一環として行われています
This Symposium is a part of RIKEN Symposium Series.