

**Room C #103** 10:30-12:30**[Tu-C1]** Optical Materials and Devices III**Session Chairs:**

Jianrong Qiu (Zhejiang Univ., China),
Hirokaju Masai (AIST, Japan)

Tu-C1-1 [Invited] 10:30-11:00
Record-High Temperature Stable Electro-Optic Polymer Modulator for 50 Gbps Transmission

Shiyoshi Yokoyama
Kyushu Univ., Japan

Tu-C1-2 [Invited] 11:00-11:30
Oxide Semiconductors for Nonlinear Optics and Ultra-fast Pulse Lasers

Xiaofeng Liu
Zhejiang Univ., China

Tu-C1-3 [Invited] 11:30-12:00
Development of Three-Terminal Electrochromic Device using Water Electrolysis

Hirokazu Ohta
Hokkaido Univ., Japan

Tu-C1-4 12:00-12:15
Synthesis and Optical Properties of Forsterite Ceramic Color Pigments using Mirror Wastes as a Flux

Niti Yongvanich, Natchaya Lithira, Nitchakarn Nuniead, and Wanchalerm Chauyarsa
Silpakorn Univ., Thailand

Tu-C1-5 12:15-12:30
Enlarged Abbe Diagram in Long-Wavelength Infrared Region via Introducing Highly Dispersive Chalcogenide Glasses

Jun Ho Lee, Woo Hyung Lee, Hyun Kim, and Yong Gyu Choi
Korea Aerospace Univ., Korea

Room D #104 10:30-12:30**[Tu-D1]** Biosensing and Bioimaging Nanoprobes**Session Chair:**

Jwa-Min Nam (Seoul Nat'l Univ., Korea)

Tu-D1-1 [Keynote] 10:30-11:00
Upconversion Nanocrystals: Luminescence Modulation for Nanophotonic Applications

Xiaogang Liu
NUS, Singapore

Tu-D1-2 [Keynote] 11:00-11:30
Real-Time 3D Single-Particle Tracking: Spectroscopy, Imaging, and Control

Haw Yang
Princeton Univ., USA

Tu-D1-3 [Invited] 11:30-12:00
Quantum Dot Conjugates for Imaging Applications

Sungjee Kim
POSTECH, Korea

Tu-D1-4 [Invited] 12:00-12:30
Multimodal Endoscopic Optical Imaging Techniques for Comprehensive Structural and Molecular Imaging

Hongki Yoo
Hanyang Univ., Korea