

## ALPS 2023 - Invited Speakers

Zijian Cui (Shanghai Institute of Optics and Fine Mechanics)  
*"High-peak-power picosecond deep-UV laser sources(Tentative)"*

Karol Bartosiewicz (Kazimierz Wielki University)  
*"Crystal chemistry of garnets: where is a boundary between the fast scintillator and persistent phosphor?"*

Valentin Petrov (Max Born Institute)  
*"Tm and Ho host materials for sub-100 fs mode-locked 2-micron lasers"*

Clara Saraceno (Ruhr-Universität Bochum)  
*"High power ultrafast lasers for THz generation"*

Akifumi Yogo (Institute of Laser Engineering, Osaka University)  
*"State-of-the-art of 100 Hz repeatable power laser module at Osaka University(Tentative)"*

Yang Hwan Kim (Center for Relativistic Laser Science (CoReLS), Institute for Basic Science (IBS))  
*"High harmonic generation in CWE and ROM regimes(Tentative)"*

Ioan Dancus (Extreme Light Infrastructure - Nuclear Physics)  
*"2 x 10 PW capability Ti:sapphire laser and its application(Tentative)"*

Jonathan Tyler Green (ELI Beamlines, Czech Republic)  
*"Development of the L2-DUHA laser at ELI Beamlines"*

Issa Tamer (Lawrence Livermore National Laboratory)  
*"Development of scalable high energy diode-pumped 2 $\mu$ m Tm:YLF amplifier technology(Tentative)"*

Haohai Yu (Shandong University, China)  
*"Multiphonon-assisted lasing beyond the fluorescence spectrum"*

Carlo Liberale (King Abdullah University of Science and Technology)  
*"3D printed micro optincs and fibers"*

Chunyu Guo (Shenzhen University)  
*"High-power Mid-infrared ultrafast fiber lasers"*

John Ballato (Clemson University)  
*"Novel fiber optic materials for reducing nonlinearity"*

Maria Chernysheva (Leibniz Institute of Photonics Technology)  
*"Self-mode-locking and filterless tuneability mechanisms in Tm-doped fibre lasers"*

Oscar Versolato (Advanced Research Center for Nanolithography (ARCNL))  
*"Recent progress of a laser-produced plasma for state-of-the-art EUV nanolithography"*

Reinhard Dörner (Goethe-Universität)  
*"Photoionization beyond the dipole approximation: The role of the photon momentum and zeptosecond birth time delays"*

M. Hassan Arbab (Stony Brook University)  
*"Terahertz Portable HAndheld Spectral Reflection (PHASR) Scanners for polarimetric imaging of large field-of-views in a few seconds"*

Michele Cito (NICT)

**Masaaki Ono (NTT)**

*"All-optical switching with graphene-loaded plasmonic waveguides(Tentative)"*

**Yong-Hoon Cho (KAIST)**

*"Room Temperature Whispering Gallery Polariton Condensation and Non-Hermitian Polaritonic System with GaN Single Microrod"*

**Michelle Sander (Boston University)**

*"Label-free imaging by photo-thermal effect using fiber lasers"*

**Mikako Ogawa (Hokkaido University)**

*"Activation of compounds in vivo using light"*

**Thomas R Schibli (University of Colorado)**

*"Photonic microwave generation and characterization with optical frequency comb (tentative)"*

**Youngjin Kim (KAIST)**

*"Frequency-comb-referenced multi-scale precision metrology: from kilometers to sub-nanometers"*

**Emily Caldwell (NIST)**

*"A Time Programmable Frequency Comb for Quantum Limited Sensing (tentative)"*

**Kai Ni (Tsinghua University)**

*"Digital error correction method for dual-comb system (tentative)"*

**Bachana Lomsadze (Santa Clara University)**

*"Applications of frequency comb-based multidimensional coherent spectroscopy (tentative)"*

**Yasuyuki Ozeki (University of Tokyo)**

*"Quantum enhancement for molecular-vibrational microscopy"*

**Lee A. Rozema (University of Vienna)**

*"Quantum Foundations with Active Elements: From Maxwell's Demon to Indefinite Causal Order"*

**Michal Košelja (ELI Bemlines, Czech Republic)**

*"Development of large size single crystals for High Power Lasers"*