



The 9th Tiny Integrated Laser and Laser Ignition Conference 2023

Co-located with Optics & Photonics International Congress 2023

<https://opicon.jp/conferences/tila-lic/>

April 19 (Wed.) - 21 (Fri.) 2023, Pacifico Yokohama, Yokohama, Japan

LIST OF INVITED SPEAKERS

- Erik BECKERT (Fraunhofer Institute for Applied Optics and Precision Engineering, Jena, Germany)
"A Space-Suitable, Miniaturized 100 mW DPSS Laser at 532 nm for JAXA's Phobos Mission"
- Raoul-Amadeus LORBEER (DLR, German Aerospace Center, Stuttgart, Germany)
"Compact Laser Pumping and Amplification Concept using a Wedged-Thin-Disk"
- Yung-Fu CHEN (National Chiao Tung University, Taiwan)
"Fast model for optimizing passively Q-switched lasers"
- Sreenath GUPTA (Argonne National Laboratory, USA)
"Development of a Laser Igniter for a Syngas Fueled Direct-Fired Supercritical CO₂ Cycle"
- Hideki MORIAI (Kanazawa Institute of Technology, Ishikawa, Japan)
"Laser Propulsion Research - Conversion of Laser Energy into Thrust in Space"
- Xavier MATEOS (Universitat Rovira i Virgili, Tarragona, Spain)
"Structured Materials for Micro-Lasers at 2 μm"
- Jan HOSTAŠA (CNR-ISTEC, Institute of Science and Technology for Ceramics, Faenza, Italy)
"2D-Structured Ceramic Laser Gain Media, Laser Waveguides"
- Gerhard KROUPA (Silicon Austria Labs., Villach, Austria)
"Fibre Distribution Tests and Recent Applications of the Miniaturized HiPoLas Ignition System"
- Lukas SCHRÖDER (University of Bayreuth, Bayreuth, Germany)
"Combustion Analysis of a Laser-Based and an Electrical Ignition System for Directly Injected Methane in a Rapid Compression Machine"
- Takunori TAIRA (RIKEN SPring-8 Center, Hyogo, Japan)
"Tiny Integrated Lasers towards Giant Micro-photonics"
- Akio IKESUE (World Lab. Co. Ltd., Nagoya, Japan)
"Historical Turning Point of Optical Ceramics"
- Mariastefania DE VIDO (Science and Technology Facilities Council, Swindon, UK)
"Energy Scaling of High Pulse Rate Diode-Pumped Solid State DiPOLE Laser Amplifiers"
- Hiroaki MINAMIDE (RIKEN Center for Advanced Photonics, Sendai, Japan)
"High-Brightness Injection-Seeded Backward Optical Parametric Oscillation in Sub-Terahertz-Wave Frequencies"



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- Hiroaki FURUSE (Kitami Institute of Technology, Hokkaido, Japan)
"Non-Cubic Fluorapatite Laser Ceramics by Controlling Crystal Grains"
- Toshiaki SUGIMOTO (Institute for Molecular Science, Okazaki, Japan)
"Development of Nonlinear Optical Spectroscopy to Break through the Detection Limit of Nanoscale Interfaces"
- Koji MORITA (National Institute for Materials Science, Tsukuba, Japan)
"Fabrication of Infrared Transparent Ceramics through Spark-Plasma-Sintering (SPS) Method"
- Franz KÄRTNER (University of Hamburg, DESY, Hamburg)
"To be decided!"

Contact information

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OPTICS & PHOTONICS International Congress 2023 (OPIC 2023)

Web site TILA-LIC 2023 <<https://opicon.jp/conferences/tila-lic/>>, OPIC 2023 <<http://opicon.jp/>>