

3rd Announcement

Co-located with
OPTICS & PHOTONICS International Exhibition
OPIE '26

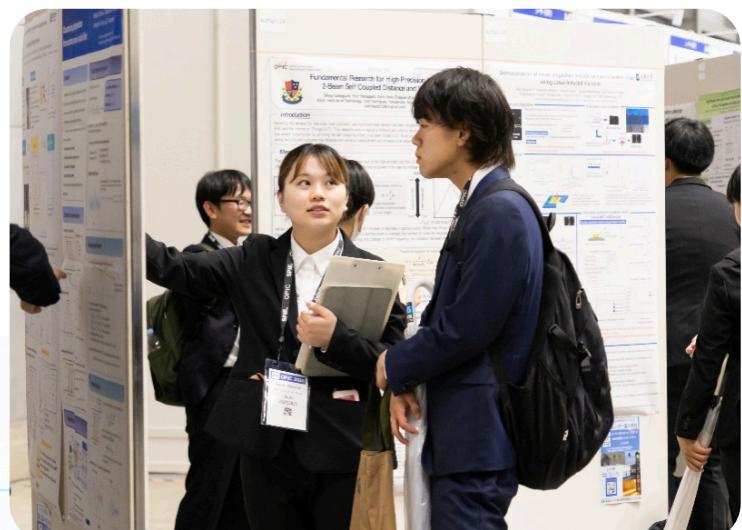


20-24 April, 2026

Pacifico Yokohama, Japan
<https://opicon.jp/>

- Approximate potential of
electron packet disk of
charge to generate the pulse
length equation

Siwick et al., *J. App.*



Registration is now open.
(Register by April 3 and save!)

Organized by



International Partners



Technical Conferences

► ALPS2026

Advanced Lasers and Photon Sources

Sponsored by: The Laser Society of Japan

Conference Chairs:



Hitoki Yoneda

The University of Electro-Communications, Japan



Ruxin Li

Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Science, China

► BISC2026

Biomedical Imaging and Sensing Conference

Sponsored by: SPIE

Conference Chairs:



Osamu Matoba

Kobe University, Japan



Yuan Luo

National Taiwan University



Yasuhiro Awatsuji

Kyoto Institute of Technology, Japan



Izumi Nishidate

Tokyo University of Agriculture and Technology, Japan

► CPS-SNAP2026

Cyber Physical Systems enabled by Sensing/Network/AI and Photonics Conference

Sponsored by: The Graduate School for the Creation of New Photonics Industries

Conference Chairs:



Naoya Wada

National Institute of Information and Communication Technology, Japan

► FAAP2026

The Future of Agriculture and Advanced Photonics - The Fusion of Science and Technology for Sustainable Food Production

Sponsored by: Executive Committee of "The Future of Agriculture and Advanced Photonics"

Conference Chairs:



Satoshi Wada

RIKEN, Japan

► HEDLA/HEDS2026

International Conference on High Energy Density Laboratory Astrophysics / International Conference on High Energy Density Science

Sponsored by: Institute of Laser Engineering, The University of Osaka

Conference Chairs:



Ryosuke Kodama

The University of Osaka, Japan



Takayoshi Sano

Institute of Laser Engineering, The University of Osaka, Japan

► ICNNQ2026

International Conference on Nano-photonics, Nano-optoelectronics and Quantum technology

Sponsored by: Institute for Nano Quantum Information Electronics, The University of Tokyo

Conference Chairs:



Yasuhiro Arakawa

The University of Tokyo, Japan



Jonathan Finley

Technical University of Munich, Germany

► IP2026

Information Photonics

Sponsored by: The Optical Society of Japan

Conference Chairs:



Yoshio Hayasaki

Utsunomiya University, Japan



Jae-Hyeung Park

Seoul National University, Korea



Stephan Reichelt

University of Stuttgart, Germany



Liangcai Cao

Tsinghua University, China

► LDC2026

Laser Display, Imaging and Lighting Conference

Sponsored by: The Optical Society of Japan

Conference Chairs:



**Honorary Chair
Kazuo Kuroda**

The University of Tokyo, Japan



Hiroshi Murata
Mie University, Japan



Fergal Shevlin
DYOPTYKA, Ireland

► LEDIA2026

International Conference on Light-Emitting Devices and Their Industrial Applications

Sponsored by: JACG (The Japanese Association for Crystal Growth)

Conference Chairs:



Hiroshi Amano
Nagoya University, Japan

► LSC2026

Conference on Laser and Synchrotron Radiation Combination Experiment

Sponsored by: Institute of Laser Engineering, The University of Osaka

Conference Chairs:



Toshihiko Shimizu
The University of Osaka, Japan

► LSSE2026

Laser Solution for Space and the Earth

Sponsored by: The Executive Committee of Laser Solution for Space and the Earth

Conference Chairs:



Satoshi Wada
RIKEN, Japan

► META2026

Meta Photonics: Design, Fabrication, Characterization, and Applications

Sponsored by: City University of Hong Kong,
RIKEN Center for Advanced Photonics

Conference Chairs:



Din Ping Tsai
City University of Hong Kong



Takuo Tanaka
RIKEN, Japan

► OMC2026

Optical Manipulation and Structured Materials Conference

Sponsored by: SPIE, Transformative Research Areas "Revolution of Chiral Materials Science using Helical Light Fields"

Conference Chairs:



Takashige Omatsu
Chiba University,
Japan



Sile Nic Chormaic
Okinawa Institute of Science and Technology Graduate University, Japan



Kishan Dholakia
The University of Adelaide, Australia

► OPTM2026

Optical Technology and Measurement for Industrial Applications Conference

Sponsored by: SPIE, Technical Committee for Mechano-Photonics

The Japan Society for Precision Engineering

Conference Chairs:



Rainer Tutsch
Technische Universität Braunschweig, Germany



Mariko Kajima
National Institute of Advanced Industrial Science and Technology, Japan



Nathan Hagen
Utsunomiya University, Japan



Yasuhiro Mizutani
The University of Osaka, Japan

► OWPT2026

Optical Wireless and Fiber Power Transmission Conference

Sponsored by: The Laser Society of Japan

Study Group of Optical Wireless Power Transmission

Conference Chairs:



Tomoyuki Miyamoto
Institute of Science Tokyo, Japan



Kensuke Ikeda
Central Research Institute of Electric Power Industry, Japan

► SLPC2026

Smart Laser Processing Conference

Sponsored by: Japan Laser Processing Society

Conference Chairs:



Masahiro Tsukamoto
Joining and Welding Research Institute, The University of Osaka, Japan



Andreas Ostendorf
Ruhr University Bochum, Germany

► TILA-LIC2026

Tiny Integrated Laser and Laser Ignition Conference

Sponsored by: Micro Solid-State Photonics Association

Conference Chairs:



Takunori Taira
RIKEN, Japan

► XOPT2026

International Conference on X-ray Optics and Applications

Sponsored by: RIKEN Spring-8 Center, Research Center for Precision Engineering

The University of Osaka, Technical Committee for Ultraprecision Machining of The Japan Society for Precision Engineering

Conference Chairs:



Kazuto Yamauchi
The University of Osaka, Japan



Makina Yabashi
RIKEN, Japan

OPIC 2026 Plenary Speakers

Wednesday, 22 April 2026
16:15 - 18:45



Dr. Heike Riel

IBM Fellow, Department Head Science & Technology, IBM Research Europe – Zurich, Switzerland

Nanostructures and nanodevices toward quantum technology applications

16:15-17:05



Prof. Susumu Noda

Institute for Advanced Study, Kyoto University (KUIAS), Japan

Progress of Photonic Crystals: from Fundamentals to Social Implementation

17:05-17:55



Prof. Chris Barty

University of California, Irvine and Lumitron Technologies, Inc., USA

Finding and Treating Cancer in an Instant: The Promise of Distributed Charge Compton Sources

17:55-18:45

Tutorial Session

Tutorial 1 - Monday, 20 April 2026

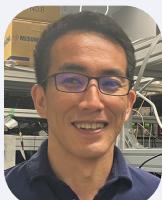


Masaki Tokurakawa

Institute for Laser Science, University of Electro-Communications

“Mid-infrared lasers – fundamentals and recent progress”

13:00-14:00



Tomoyuki Horikiri

Yokohama National University/ LQUOM, Inc.

“Development of quantum repeaters towards the quantum internet”

14:00-15:00



Atsushi Uchida

Saitama University

“Recent developments in photonic artificial intelligence”

15:00-16:00

Tutorial 2 - Tuesday, 21 April 2026



Hiroyuki Yokoyama

Tohoku University

“Novel functional operations of strongly pulse-driven semiconductor lasers”

13:00-14:00



Takasumi Tanabe

Keio University

“Microresonator frequency comb for THz transmittance and signal processing”

14:00-15:00



Godai Miyaji

Tokyo University of Agriculture and Technology

“Ultrashort pulse laser material processing: how do ultrashort laser pulses work in materials?”

15:00-16:00

Invited Speakers

►ALPS2026

Nazar Kovalenko

Helmut Schmidt University, Germany

"Polycrystalline and Single-crystal Cr:ZnS Materials for Ultrafast Lasers: Challenges and Prospects"

Chunhui Yang

Harbin Institute of Technology

"The growth of ZGP crystals and their applications in Mid-IR nonlinear optics"

Lijuan Liu

Technical Institute of Physics and Chemistry

"Progress in KBe2BO3F2 crystal growth, device fabrication, and deep-UV lasers generation"

Maksym Buryi

The Institute of Plasma Physics of the Czech Academy of Sciences, Czech

"Role of Er Doping in Paramagnetic Point Defect-Driven Morphology and Luminescence of ZnO Nanorods"

Kheirreddine Lebbou

Université Claude Bernard Lyon 1, France

"Large Ti-doped sapphire crystal grown by Kyropoulos technology for high power laser chain"

Takeshi Higashiguchi

Utsunomiya University, Japan

"Multiple solid-state-laser pulse irradiation system for EUV emission (tentative)"

Enhao Li

Shanghai Institute of Optics and Fine Mechanics, China

"Holmium-doped high-power lasers and their potential applications in driving LPP-EUV light sources"

Marcus Seidel

Deutsches Elektronen-Synchrotron (DESY), Germany

"Peak-power scaling of nonlinear pulse compression with multi-pass cells"

Ye Tian

Shanghai Institute of Optics and Fine Mechanics, China

"Intense Terahertz Sources for the Time-Resolved Control of Phonon and Electron Dynamics"

Kyung Taec Kim

Gwangju Institute of Science & Technology, Korea

"Ultra-high-fidelity temporal metrology of laser pulses based on tunneling ionization"

Hiroyuki Harada

Japan Atomic Energy Agency, Japan

"High Intensity Proton Accelerator Driven by Laser Technology"

Leily Kiani

(Lawrence Livermore National Laboratory, USA)

"Demonstration of a 1 TW peak power, joule-level ultrashort Tm:YLF laser"

Satoshi Ashihara

The University of Tokyo, Japan

"Mid-Infrared Solid-State Lasers for Advanced Vibrational Spectroscopy"

Minglie Hu

Tianjin University, China

"High-Performance Deep-Ultraviolet Picosecond and Femtosecond Lasers"

Richard Mildren

Macquarie University, Australia

"Diamond Raman lasers as high power linewidth narrowers (tentative)"

Masamori Endo

Tokai University, Japan

"Fully Planar Solar-Pumped Fiber Lasers: Current Status and Future Prospects"

Michal Chyla

HiLASE Centre, Institute of Physics, Czech Academy of Sciences, Czechia

"Advances in High Average Power Laser Technology at HiLASE Centre"

Kentaro Sakai

National Institute for fusion science, Japan

"Development of a mid-infrared laser for next-generation EUV light sources"

Thanh-Hung Dinh

National Institutes for Quantum Science and Technology (QST), Japan

"Compact Coherent EUV Light Source: Recent Developments and Applications at QST-KPSI"

Bong Joo Kang

Korea Research Institute of Chemical Technology (KRICT), Korea

"Time-resolved THz Stark spectroscopy of molecules in solution"

Tsuneyuki Ozaki

Institut national de la recherche scientifique (INRS), Canada

"Interplay of THz Nonlinearities in InSb in the Strong-Field THz Regime"

Auro Perego

Aston University, UK

"Optical Darboux transform for solitons: multiplexing and demultiplexing in the nonlinear Fourier domain"

Cheng Zhang

Huazhong University of Science and Technology, China

"Ultraviolet Light Beam Shaping by Dielectric Metasurfaces"

Vygantas Mizeikis

Shizuoka University, Japan

"Realization of form birefringence through femtosecond laser printing"

Shuhei Ichikawa

Osaka University, Japan

"Circularly Polarized InGaN Light Emitters Integrated with Metasurface"

Robert Murray

Imperial College London, UK

"2.94 μm Laser Ablation Ambient Mass Spectrometry Imaging For Cellular Scale Metabolic Imaging"

Yoshinori Harada

Kyoto Prefectural University of Medicine, Japan

"Cryo-Raman Spectroscopy Reveals Cardiac Cycle-Linked Redox Dynamics"

Jianqi Hu

The University of Hong Kong, China

"Towards self-referenced optical frequency combs on chip"

Tobias Herr

Deutsches Elektronen-Synchrotron (DESY), Germany

"Frequency combs in nanostructured microresonators"

Birgitta Bernhardt

Institute of Experimental Physics Graz University of Technology, Austria

"Dual comb spectroscopy with novel frequency comb sources"

Martin Fermann

IMRA America, USA

"Precision harmonically modelocked fiber frequency combs"

Michele Giunta

Menlo systems, Germany

"Advances in Precision Frequency Metrology with Optical Frequency Combs"

Kaiyi Wu

Chalmers University of Technology, Sweden

"Stabilized microcombs for high precision metrology applications"

Paul-Antoine Moreau

National Cheng Kung University, Taiwan

"Quantum Imaging, Fundamental and Practical Uses"

Kai-Chi Chang

University of California, USA

"High-dimensional Quantum Information Processing and Communication via Quantum Frequency Combs"

Warit Asavanant

OptQC Corp., Japan

"Development of Optical Quantum Computer"

►BISC2026

Kaicheng Liang

Nanyang Technological University (NTU), Singapore

"Ultraviolet-C light for biomedical microscopy: why, how, and what's next"

Masaaki Sato

Kyoto Institute of Technology, Japan

"A multi-scale optical imaging framework for linking neural activity, circuits, and behavior"

Andy Harvey

University of Glasgow, United Kingdom

"Computational 3D super-resolution microscopy in a snapshot"

Uné Bütaitė

University of Exeter, United Kingdom

"An optical inverter for imaging through multi-mode fibres"

Chao Zuo

Nanjing University of Science and Technology, China

"Computational phase imaging for label-free 3D microscopy: noninterferometric phase retrieval and intensity diffraction tomography"

Yasuaki Kumamoto

Osaka University, Japan

*"Random-Access Multipoint Raman Probes for In Situ Nerve Identification: From Instrumentation to Applications"***Yuji Matsuura**

Tohoku University, Japan

*"Non-invasive blood component analysis using mid-infrared photothermal spectroscopy"***Dalip Mehta**

Indian Institute of Technology Delhi

*"Multimodal and Multi-Spectral Microscopy with Virtual Staining Based Digital Pathology using Deep Neural Networks for Label-Free Detection of Cancer"***Rakesh Singh**

Indian Institute of Technology (BHU) Varanasi, India

*"Decomposition-based quantitative analysis of Jones matrix microscopy"***Tom Vetterburg**

University of Dundee, UK

*"Recovery of phase contrast behind scattering lipid layer"***Teruyoshi Nobukawa**

Japan Broadcasting Corporation (NHK), Japan

*"Computational passive three-dimensional imaging via self-interference incoherent digital holography"***Lipei Song**

Nankai University, China

*"Investigation on the information transmission ability of optical fiber modes for developing ultrathin fiber endoscope"***Pei-Kuen Wei**

National Taiwan University

*"Monitoring Cell Viability via Surface Plasmon Resonance Imaging (SPRI) of Metallic Nanostructures"***►CPS-SNAP2026****Guillermo Carpintero**

Universidad Carlos III de Madrid

*"Bridging the interconnection gap with dielectric waveguide technology"***Takanori Fukao**

The University of Tokyo

*"Advances in LiDAR-related Sensing Technologies for Field Robotics"***Tamio Tanigawa**

National Institute of Advanced Industrial Science and Technology

*"Human-Machine Collaborative System based on CPS"***Akinori Taira**

Mitsubishi Electric Corporation

*"Terahertz Wave Sensing Technology for Visualizing Hidden Objects"***Keiichiro Kagawa**

Shizuoka University

*"Time-compressive pseudo-direct LiDAR image sensors based on deep sensing"***►FAAP2026****Hiromichi Itoh**

Graduate School of Agricultural Science, Kobe University

*"Application of Speaking Plant Approach to Growth Control of Saffron (Crocus sativus L.)"***Daisuke Yasutake**

Kyushu University

*"Advanced Photonics for Non-destructive Root Growth Monitoring in Hydroponic Leafy Vegetables"***Yoshihisa Usami**

Farmship, Inc.

*"From Lettuce to Matcha: Photonics- and AI-Driven Innovation in Plant Factories"***Kotaro Takayama**

Toyohashi University of Technology

*"Implementing the Speaking Plant Approach for Advanced Environmental Control in Greenhouse Horticulture"***Xinyue Li**

Institute of Food Research, NARO

*"Building and understanding the science-based NIR spectroscopy for measuring agricultural product quality"***Ricardo Inamasu**

Brazilian Agricultural Research Corporation (EMBRAPA)

*"Agri Open Innovation: Efforts to Enhance Agricultural Productivity Through Open Innovation"***Tetsuo Iwaki**

Agri Open Innovation Institute

*"Agri Open Innovation: Efforts to Enhance Agricultural Productivity Through Open Innovation"***Akane Mizusawa**

Tokyo University of Agriculture and Technology

*"Enhancement of soybean growth with phosphate solubilizing bacteria and recycled phosphorus"***Sakae Shibusawa**

Tokyo University of Agriculture and Technology

*"Fusion of Science and Technology for Sustainable Food Production"***Ryoei Kawabata**

LIFE AI

*"Field-Driven Deployment of Organic Photovoltaics (OPV) for Agricultural Use in Japan"***►HEDLA/HEDS2026****Toshihiro Fujii**

Osaka Metropolitan University

*"The Amaterasu particle: searching for the universe's most energetic particles"***Gianluca Gregori**

University of Oxford

*"Accelerator's Experiments to Probe Beam Instabilities in Blazars' Pair Jets"***Guang-yue Hu**

University of Science and Technology of China

*"Laboratory observation of ion drift acceleration via reflection off laser-produced magnetized collisionless shocks"***Hantao Ji**

Princeton University

*"Magnetic Reconnection: Past, Present, Future, and HEDLA Experiments"***Daiji Kato**

National Institute for Fusion Science

*"From high-density plasma experiments to kilonova spectra: Assessment of radiative transition probabilities for lanthanide ions"***Yohei Kawazura**

Utsunomiya University

*"Inertial Range of MRI Turbulence and its Implications for Gyrokinetic Heating"***Yasuhiro Kuramitsu**

The University of Osaka

*"Relativistic astrophysical plasmas in the laboratories: on the origins of cosmic rays"***Martin Lemoine**

Paris Cité University

*"Particle acceleration and transport in magnetized turbulence"***Shuichi Matsukyo**

Kyushu University

*"Spatiotemporal resolution of ion-scale structures in a magnetized plasma shock reproduced by using power laser experiment"***Yosuke Mizuno**

Shanghai Jiao Tong University

*"Recent progress of GRMHD simulations of black hole accretion flows"***Haruhiko Saito**

The University of Tokyo

*"Toward Experimental Studies of Ion High-Beta Plasma and Electron-Positron Plasma in Dipole Magnetic Fields"***Joao Santos**

University of Bordeaux

*"Ion acceleration in quasi-critical plasmas using high-density transparent gas jets: towards high-repetition rate sources for fundamental science and applications"***Masaomi Tanaka**

Tohoku University

*"Radiation from Heavy-Element Plasma in Neutron Star Mergers"***Petros Tzeferacos**

University of Rochester

*"Laboratory Experiments of Astrophysical Processes in Magnetized Turbulence"***Suming Weng**

Shanghai Jiao Tong University

*"Origin of the prolonged eclipse in spider pulsar binaries solved with advanced polarimetry with advanced polarimetry"***Weipeng Yao**

Sorbonne University

"Particle acceleration in laser-driven magnetised shocks and their collisions"

Dawei Yuan

National Astronomical Observatories, Chinese Academy of Sciences
"Electron stochastic acceleration in laboratory-produced kinetic turbulent plasmas"

Gabriel Rigon

LULI, Ecole Polytechnique
"Hydrodynamic turbulence in Supernova Remnants: A laboratory astrophysics approach"

Guillaume Loisel

Sandia National Laboratories
"The ZAPP collaboration: elucidating astrophysical puzzles using the Z facility"

Stefano Merlini

Imperial College
"Investigating Shock-Driven Turbulence in High Energy Density Plasmas at the MAGPIE pulsed-power facility"

Archie Bott

University of Oxford
"Experimental characterisation of microturbulence-suppressed thermal conduction in weakly collisional, magnetised plasma"

Vicente Valenzuela-Villaseca

Lawrence Livermore National Laboratory
"Frontiers in magnetized rotating plasmas: a path to accretion disc physics in the laboratory plasmas (tentative)"

Xue-Ning Bai

Tsinghua University
"The magnetohydrodynamic-particle-in-cell method, its applications and extension"

Timothy Johnson

Lawrence Livermore National Laboratory
"Biermann-Battery-Driven Magnetized Collisionless Shock Precursors in Laser-Produced Plasmas"

Hiroya Yamaguchi

Japan Aerospace Exploration Agency
"XRISM and laboratory astrophysics (tentative)"

Dongsu Ryu

Ulsan National Institute of Science and Technology
"Shock waves, turbulence, and particle acceleration in clusters of galaxies"

Sabrina Nagel

Lawrence Livermore National Laboratory
"Experiments on high energy density Rayleigh Taylor and Richtmyer Meshkov flows at the National Ignition Facility"

Luca Orusa

Princeton University
"Particle acceleration in perpendicular shocks: from the Lab to the Cosmos"

Derek Schaeffer

University of California, Los Angeles
"Anomalous Electron Heating in Laboratory Magnetized Collisionless Shocks"

Fabio Bacchini

KU Leuven
"Fully kinetic simulations of compact-object accretion and outflows"

Tilo Doeppner

Lawrence Livermore National Laboratory
"Observing the onset of pressure-driven K-shell delocalization"

Fan Guo

Los Alamos National Laboratory
"The Origin of Nonthermal Particle Acceleration during Magnetic Reconnection"

Tim Ziegler

Helmholtz-Zentrum Dresden-Rossendorf
"Advancing the Energy Frontier of Plasma-Based Proton Acceleration with Petawatt Lasers"

Chang Hee NAM

Gwangju Institute of Science and Technology
"High Energy Proton Generation from Ultrathin Solid Targets Driven by a Multi-PW Laser"

ICNNQ2026**Alfred Forchel**

University of Würzburg
"Advances in Infrared Lasers for Trace Component Sensing"

Connie Chang-Hasnain

Chinese University of Hong Kong
"Progress in vertical cavity surface emitting lasers"

Takuo Tanemura

The University of Tokyo
"Light Manipulation with Functional and Electro-Optic Metasurfaces"

Min Seok Jang

KAIST
"Single-gate dynamic beam switching metasurfaces"

Takuya Inoue

Kyoto University
"High-power photonic-crystal surface-emitting lasers for long-distance free-space optical communications"

Yu-Jung Lu

Academia Sinica
"Plasmon-Enhanced Exciton Relocalization in Quasi-2D Perovskites for Room-Temperature Plasmonic Lasing"

Yung-Jr Hung

National Sun Yat-sen University
"Silicon photonic gyroscopes: tactical-grade precision at consumer cost"

Daichi Kozawa

NIMS
"Deterministic Formation of Single Organic Color Centers in Single-Walled Carbon Nanotubes"

Thomas Busch

OIST Graduate University
"Making statistics work: quantum engines in ultracold gases"

Hai Son Nguyen

Ecole Centrale de Lyon
"Bound states in the continuum in photonic crystals"

Jehyun Kim

UNIST
"Collective subradiant state from cavity-coupled multiple quantum emitters"

Jesús Zúñiga Pérez

CNRS
"GaN room-temperature polaritons: from Bose-Einstein condensation to electrically-injected polariton lasers"

►IP2026**Xin Yuan**

Hangzhou University
"Snapshot Compressive Imaging Reconstruction: From Traditional AI to Generative AI"

Susumu Fukatsu

University of Tokyo
"Revisiting Ghost Imaging in a New Light"

Kazuya Nakano

Seikei University
"Optical Imaging System for Medical Examination Using Visible Light"

Hwi Kim

Korea University
"Wave-optic design algorithms for diffractive waveguide augmented reality displays"

Stephan Reichelt

University of Stuttgart
"From Design to Reality: Camera-in-the-Loop Far-Field Holography"

Wei-Feng Hsu

National Taipei University of Technology
"A Waveguideless Near-Eye Augmented-Reality Display Utilizing Coherent Backlight Units and Integral Imaging"

Javier García Monreal

Universitat de València
"Cepstrum based interferometric imaging"

►LDC2026**Takuro Ideguchi**

The University of Tokyo
"Mid-Infrared Photothermal Microscopy for Live-Cell Imaging"

Hideaki Kano

Keio University
"Coherent Raman Spectroscopic Imaging of the Brain: From Lipid Maturation to Subcellular Organelle Visualization"

Mei Yang

Xiamen University
"Fabrication of GaN-based visible and UVA VCSELs"

Motoaki Iwaya

Meijo University

"AlGaN-based UV-B Laser Diodes: Growth-Temperature Optimization, >50% Carrier Injection Efficiency, and Room-Temperature CW Lasing at 318 nm"

Jung Ping Liu

Feng Chia University

"Holographic Display by Binary Computer-Generated Holograms"

Taro Beppu

Sony Semiconductor Solutions

"Long-Range and High-Resolution LiDAR Based on a Stacked SPAD Depth Sensor for Automotive LiDAR Applications"

Tetsuhiko Muroi

NHK

"Incoherent Digital Holography Aiming to Capturing Three-Dimensional Video"

Tomoyoshi Shimobaba

Chiba University

"Real-time 3D computer holography and its applications"

Yoshinobu Matsuda

Kyoto University

"Full-color luminescent nitride semiconductor microstructures toward advanced optical functionality"

Viktor Dubec

Kvant

"High-power visible laser beams and their safe application in art and industry"

Wei Chia Su

National Changhua University of Education

"HOE fabrication"

Wen Kai Lin

National Yang Ming Chiao Tung University

"HOE for near-eye display"

Young Joo Kim

Yonsei University

"AI-driven pseudo laser source of high coherence and low speckle, and its application to digital holographic microscopy"

Peter G. R. Smith

University of Southampton

"Wavefront control of transparent augmented reality display"

Yasuhiro Takaki

Tokyo University of Agriculture and Technology

"Holographic contact lens display: R&D project overview and ultra-thin optical system"

Haruki Mizushima

Shinshu University

"Perceptual characteristics with eye rotation angle compensation in holographic contact lens display"

Takeo Miyake

Waseda University

"Materials, devices, and systems for holographic contact lens display"

Kenji Yamamoto

Tokushima University

"Data computation and 3D perception for holographic contact lens display"

Kenji Yamamoto

Tokushima University

"Data computation and 3D perception for holographic contact lens display"

Seiga Kiribayashi

SEQSENSE

"LiDAR Technology in Security Robot SQ-2"

Andrzej Kaczorowski

SWAVE

"Holographic display technology for AR"

Manabu Nakamura

CITIZEN FINEDEVICE

"Development of ultra-compact and ultra-thin spatial light modulators for realizing holographic contact lens display"

Taku Kinoshita

SEED

"Development of multilayer waterproof resin structure for holographic contact lens display"

Harutaka Shiomi

Kochi University

"Computer-Generated Hologram Computation using Polynomial Approximation"

Naru Usukura

SHARP

"Compact and Lightweight VR Glasses Featuring Double Path Pancake Optics"

Daisuke Iwai

Osaka University

"When Light Becomes Matter: Perceptual Material Transformation in Projection Mapping"

Genta Masada

Tamagawa University

"Quantum entanglement properties of two-mode squeezed light passing through a foggy space and its application to quantum LiDAR"

Rui Nishiyama

Stainley & CASIO

"A novel guide luminaire using DOE"

Masato Ishino

Osaka University

"Sky projection using laser and drone, at Yumeshima for EXPO2025, Kyoto International Conference Center, and Joso Kinugawa Fireworks Festival"

▶ LEDIA2026**Tomohiro Nishitani**

Photo electron Soul

"GaN Photoemission-Based Electron Beam Devices Enabling Innovative Metrology and Inspection in Semiconductor Manufacturing"

Hiroto Sekiguchi

Meijo University

"Hybrid-Integrated MicroLED-Electrode Probes for High-Resolution Optogenetic Neural Modulation"

Kazunobu Kojima

Osaka University

"Optical characterization of semiconductor crystals with high quantum efficiency of radiation"

Takao Oto

Yamagata University

"Systematic investigation of exciton dynamics and emission efficiency in blue- and green-emitting InGaN/GaN nanopillars"

Daisuke Iida

King Abdullah University of Science and Technology/Taiyo Nippon Sanso Corporation "Challenges in InGaN-based red micro-LEDs"

Koichi Okamoto

Osaka Metropolitan University

"Engineering Light Emission in InGaN/GaN QWs: Plasmon-Assisted and Cooperative Perspectives toward High-Speed and Energy-Efficient LEDs"

Naoya Kumagai

Tokyo University of Agriculture and Technology

"High-Speed HVPE Homoepitaxial Growth of Thick AlN Layers for Wafer Fabrication"

Yoshitaka Nakatsu

Nichia Corporation

"High Power GaN-based laser diodes"

▶ LSC2026**Tomohiko Saitoh**

Tokyo University of Science

"Electronic Structure of Bulk Single-Crystalline In-Ga-Zn-O Revealed by Hard X-ray Photoemission Spectroscopy"

Akihiko Ikeda

The University of Electro-Communications

"XFEL experiments above 100 T"

Kazuki Ohishi

CROSS

"Operando Small- and Wide-Angle Neutron Scattering and Muon Spin Relaxation on Battery Materials"

Kazuki Sumida

Hiroshima University

"Spin-selective photoexcitation in topological surface states"

Yusuke Arashida

University of Tsukuba

"Ultrafast time-resolved scanning electron microscopy to characterize operand high-speed electronics"

Takao Sasaki

QST

"Real-Time Structural Analysis of III-Nitride Epitaxy Using Synchrotron XRD"

Hirotake Itoh

Kwansei Gakuin University

"Terahertz Field-Induced Gigantic Enhancement of Electronic-Ferroelectric Polarization in LuFe₂O₄"

Takuya Satoh

Institute of Science Tokyo

*"Angular Momentum and Chirality of Phonons by Circularly Polarized Raman Scattering"***Yuichi Yokoyama**

JASRI

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*"Charge-transfer cobalt-octacyanidotungstates exhibiting room temperature bistability and photoresponsivity"***Yoichi Okimoto**

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*"Contrasting annealing-induced electron doping in Ce-free T'-type cuprates: a XAFS study of La_{1.8}Eu_{0.2}CuO₄ and Pr₂CuO₄"***Michihiko Watanabe**

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*"Ultrafast picosecond ultraviolet luminescence"***► LSSE2026****Kurt Zatloukal**

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"A laser-plasma-based space radiation simulator"

Min Hyung Lee

Department of Applied Chemistry, Kyung Hee University
"Localized Water-Depleted Zones Enable Enhanced C2 Formation in Electrochemical CO2 Reduction"

Minho Kim

College of Applied Science, Department of Applied Chemistry, Kyung Hee University
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Japan Aerospace Exploration Agency (JAXA)
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Kengo Usui

K.K.DNAFORM
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"The DISCARD and ORBITAC projects: development of a CubeSat for Space Debris Investigation, Tracking and Avoidance"

Séverine A.E. Boyer

Mines Paris – PSL
"High power pulsed laser interaction for space debris propulsion"

► META2026**Yao Liang**

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"Harnessing the Local-Nonlocal Transition for High-Q Metasurface Resonances"

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National Cheng Kung University
"Multi-Resonant Metasurfaces for Full-Spectrum Wavefront Engineering and Imaging Applications"

Yu-Jung Lu

Academia Sinica
"From Ultrafast Exciton-Polariton Dynamics to Scalable Devices in MoS2-Nitride Plasmonic Heterostructures"

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Tokyou University of Agriculture and Technology
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Kyoto University
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Takaaki Yano

Tokushima University
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► OMC2026**Natalia Litchinitser**

Duke University
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Haoran Ren

Monash University
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Institute of Scientific Instruments of the CAS
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Tsinghua University
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Miyazaki University
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Fraunhofer Institute for Solar Energy
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FURUKAWA ELECTRIC CO.
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Bern University of Applied Sciences, Institute for Applied Laser, Photonics and Surface Technologies ALPS, Switzerland
"Progresses in Laser Material Processing with Ultrashort Pulsed Lasers and its Industrial Applications"

Keita Marumoto
Hiroshima University
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"Tailoring and up-scaling 3D laser processing of transparent materials for lab-on-a-chip applications"

Mizue Mizoshiri
Nagaoka University of Technology, Japan
"Femtosecond laser multipulse-induced copper precipitation from glyoxylic acid copper complex"

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University of Applied Science FH Muenster
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Yasuhiro Okamoto
Hiroshima University
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"Polymer replication of laser-induced periodic surface structures for robust wetting applications"

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►TILA-LIC2026

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">>200 W, high-brightness double-clad crystalline waveguide Yb:YAG laser"
"Distributed Face Cooling Laser Gain Medium by Gradient Ceramic Interlayer Bonding"

Ichiro Shoji
Chuo University, Japan
"High-performance New Lasers and Wavelength-conversion Devices"

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Kenichi IGA
National University Corporation Institute of Science Tokyo, Japan
"Pioneering contributions to the conception and development of Vertical"

Taichi GOTO
Research Institute of Electrical Communication, Tohoku University, Japan
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Myung-Ki KIM
Korea University, South Korea
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Hansuek LEE
Korea Advanced Institute of Science & Technology (KAIST), Daejeon, South Korea
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RIKEN Quantum Computing (RIKEN RQC), Saitama, Japan
"Pulsed laser systems for ultrafast manipulation of neutral atoms in quantum science"

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Planetary Exploration Research Center, Institute for Technology, Chiba, Japan
"Laser altimeter (LIDAR) on board Martian Moons Exploration (MMX) spacecraft"

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"Performance evaluation and applications of single-photon sources and detectors"

►XOPT2026
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European Synchrotron Radiation Facility
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The University of Osaka
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Northwestern University
"Operando synchrotron x-ray studies of additive manufacturing"

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Ray Barrett
European Synchrotron Radiation Facility
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Lorenzo Raimondi
Lawrence Berkeley National Laboratory
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Evgeny Nazaretski
Brookhaven National Laboratory
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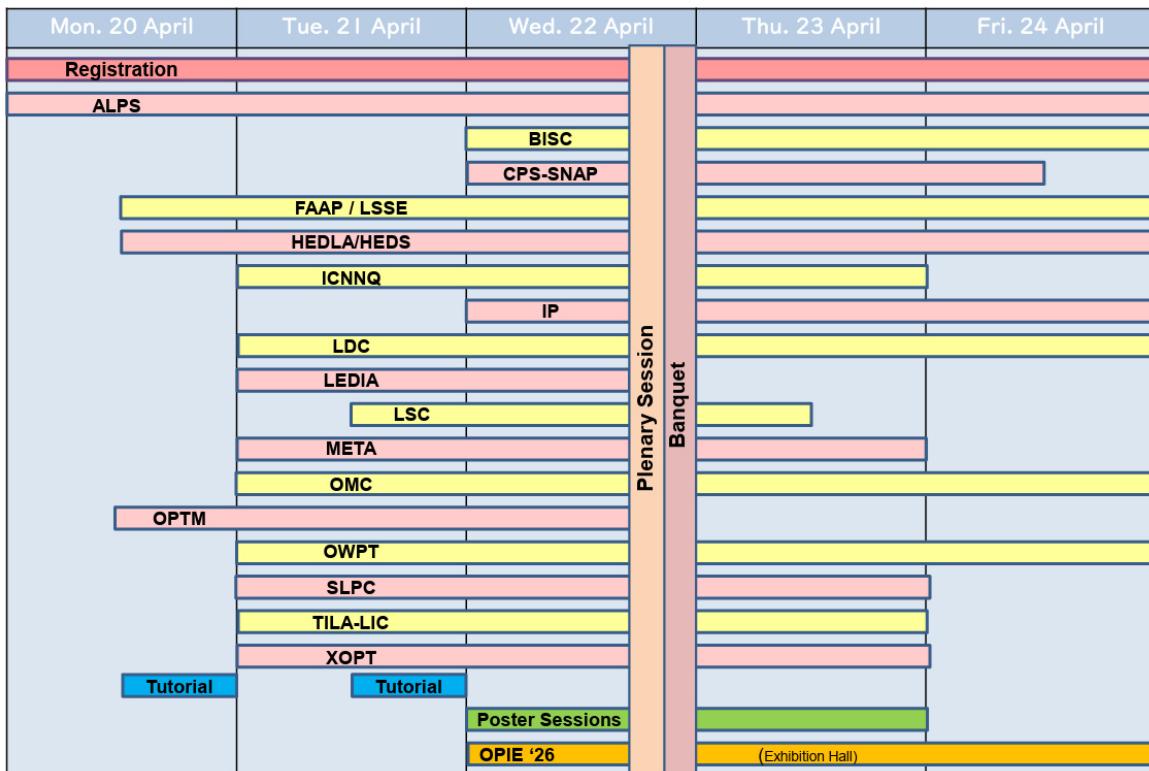
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Registration Type		On/Before 3 April 2026	After 3 April 2026
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	Non-Member	JPY 89,000	JPY 95,000
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