SYNERGIA SUMMITS
...fostering collaborations

2nd Global Conference on

PHOTONICS, OPTICS AND LASERS

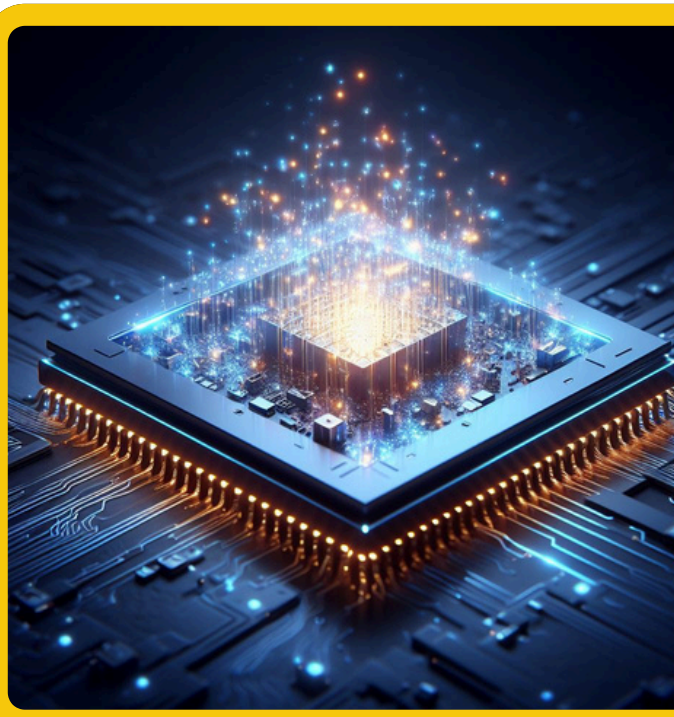
October 23-24, 2025 | Nice, France

Venue:

Crowne Plaza Nice - Grand Arenas by IHG, Nice, France

AGENDA HIGHLIGHTS:

- Plenary Talks
- Keynote Talks
- Invited Talks
- Live Q&A sessions



FINAL PROGRAM

+91-9885-871-872
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GPOLC2025

DAY-1

October 23, 2025 | Thursday

Meeting Room: TBA

09:00-09:15 Registrations & Badge Pick Up

09:15-09:30 Introduction & Opening Ceremony

PLENARY SESSION

Conference Chair: **Dieter Bimberg**, CIOMP of CAS, Changchun and TU Berlin, Germany

Moderator for Day 1: **Si-Yu Yin**, Jilin University, China

09:40-10:20 Title: Quantum Dots for Green Quantum Technologies

Dieter Bimberg, *CIOMP of CAS, Changchun and TU Berlin, Germany*

10:20-11:00 Title: Femtosecond laser-induced physicochemical processes at interfaces

Wolfgang Kautek, University of Vienna, Austria

11:00-11:15 COFFEE BREAK

11:15-11:55 Title: Chiral Nanophotonics

Wenshan Cai, Georgia Institute of Technology, USA

11:55-12:35 Title: Integrated Optical Modulators: Design and Performance Metrics

Wolfgang Freude, Karlsruhe Institute of Technology, Germany

KEYNOTE SESSION

12:35-13:05 Title: Energy-Efficient High-Speed VCSELs for Data Communication

Si-Cong Tian, Changchun Institute of Optics, Chinese Academy of Sciences, China

13:05-13:15 Group Photograph

13:15-14:00 LUNCH BREAK

14:00-14:30 Title: Femtosecond laser Print Nature-Inspired Superwettability Surfaces

Feng Chen, Xi'an Jiaotong University, China

14:30-15:00 Title: Additional Lighting Effects for Photovoltaic Improvements in the Performance of Solar Cells

Ivana Validzic, University of Belgrade, Serbia

15:00-15:30 Title: Optical elements in autostereoscopic displays

Armin Grasnick, IU International University of Applied Sciences, Germany

15:30-16:00	Title: 3D Waveguide Preparation by Femtosecond Laser Direct Writing **Zhen- Nan Tian,** Jilin University, China
16:00-16:15	COFFEE BREAK
16:15-16:40	Title: Title: Angular-momentum transformation and Imbert-Fedorov shift of refracted beams at axial-symmetric interfaces **Shufang Fu,** Harbin Normal University, China
16:40-17:05	Title: Greatly Boosted red photoluminescence emission in Ga2O3:Eu3+/Ti4+ composite ultrawide bandgap semiconductors **Abbas Nasir,** Guangzhou University, China
17:05-17:35	Title: Title: The photonic neural network based signal processing accelerator for distributed acoustic sensing system **Xuping Zhang,** Nanjing University, China

END OF DAY 1

DAY–2

October 24, 2025 | Friday

Meeting Room: TBA

KEYNOTE SESSION

Moderator for Day 2: Si-Yu Yin, Jilin University, China

10:00-10:30	Title: Fast-reconfigurable and Actively-stabilized Interference Lithography for Large-area Nanopatterning **Wendi Li,** The University of Hong Kong, Hong Kong
10:30-11:00	Title: Guided Mode Resonance for Flat Top Polarization Independent Optical Bandpass Filtering in Planar Optical Waveguide **Jianhua Liu,** Fudan University, China
11:00-11:15	COFFEE BREAK

INVITED SESSION

11:15-11:40	Title: Frequency-Multiplexed Extreme Learning Machines and Their Optimization **Marina Zajnulina,** Multitel ASBL, Belgium
11:40-12:05	Title: Recent Progress of High Power and Low Power Consumption Operation of Semiconductor Pumping Light Sources for Fiber Raman Amplifiers **Junji Yoshida,** Furukawa Electric Co., Ltd., Japan

12:05-12:30	Title: The Design And Development of Type-II Superlattice Infrared Detector **Tong Sun,** Beijing University of Posts and Telecommunications, China
12:30-12:55	Title: Progress Enabling Deep EUV Mirror Coatings and Coating Pinhole Control in Chip Fab and for the Habitable Worlds Observatory **James Hamilton,** University of Wisconsin-Platteville, USA
12:55-13:45	LUNCH BREAK
13:45-14:10	Title: High-sensitivity data center optical interconnects based on Mode Vector Modulation Direct-Detection: An overview of Receiver DSP techniques **Ioannis Roudas,** Montana State University, USA
14:10-14:35	Title: Laser ablation of brain tissues by 6.45 μm solid state laser with attractive collateral damage **Yong Bo,** Technical Institute of Physics and Chemistry, CAS, China
14:35-15:00	Title: Plasmonic Nano-coatings For Sensing Applications **Ribal Georges Sabat,** Royal Military College of Canada, Canada
15:00-15:25	Title: Low-Loss Antiresonant Hollow-Core Soft-Glass Fibers for Mid-Infrared Laser Delivery Applications **Haitao Guo,** Xi'an Institute of Optics and Precision Mechanics (XIOPM), CAS, China
15:25-15:50	Title: Research on the Yb Doped All-Solid Anti-Resonant Large Mode Field Laser Fiber **Chaoqi Hou,** Xi'an Institute of Optics and Precision Mechanics (XIOPM), CAS, China
15:50-16:05	COFFEE BREAK
16:05-16:30	Title: High-Power All-Fiber Mid-Infrared Laser Operating at 3-μm Band: Research Progress and Applications **Xusheng Xiao,** Xi'an Institute of Optics and Precision Mechanics (XIOPM), CAS, China
16:30-16:55	Title: Advancing Photonic-Electronic Hybrid Computing: Innovations in Photonic Devices and Architectures **Zefeng Xu,** Hong Kong University of Science and Technology (Guangzhou), China
16:55-17:20	Title: Laser growth and processing of materials in the nanotechnology era **Panos Patsalas,** Aristotle University of Thessaloniki, Greece

17:20-17:45	Title: Ionization and Ion Energy Boost in Laser Irradiated Matter with Resonating Gold Nanodopes **Konstantin Zsukovszkij,** HUN-REN Wigner Fizikai Kutatóközpont (Research Center for Physics), Hungary

17:45-18:00	**POSTER SESSION**
P001	Title: Three-dimensional Multichannel Waveguide Grating Filters **Siyu Yin,** Jilin University, China
P002	Title: Visible Light Communication System Design Applied to Underwater Robot Swarm Control **Kai Sun,** Westlake University, China

END OF DAY 2

****LOOKING FORWARD TO SEE YOU ALL AT NEXT EDITION****

NOTES

NOTES

NEXT EDITION

GPOLC2026

3rd Global Conference on

PHOTONICS, OPTICS AND LASERS

October 19-21, 2026 | Dubai, UAE

CONTACT US

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