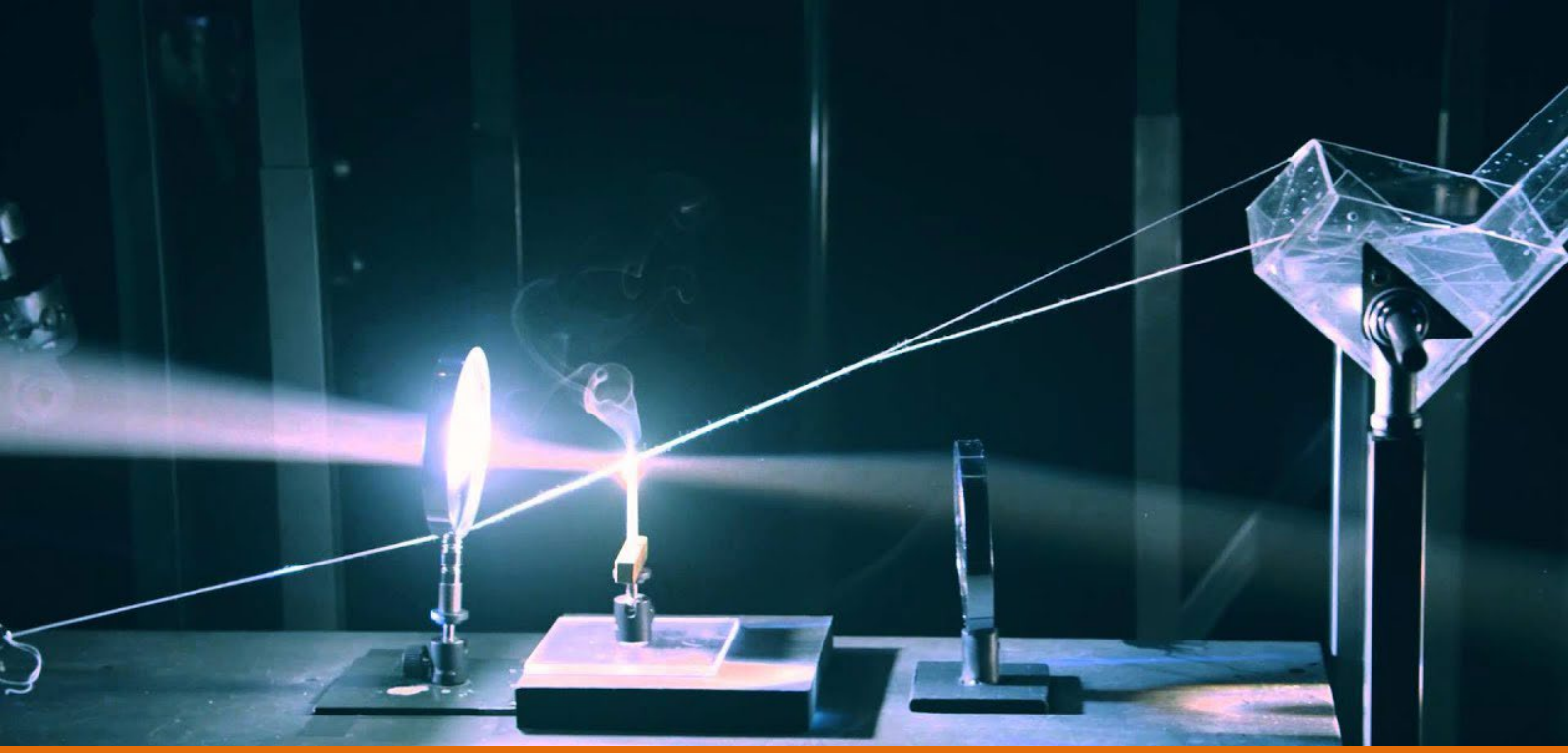

# GCLOP2023

## Tentative Program

Global Congress on

# Laser, Optics and Photonics

***August 10-12, 2023 | London, UK***

## Day 01, August 10, 2023

| | | |
|---|---|---|
| 08:00-09:00 | | **Registrations** |
| 09:00-09:30 | | **Introduction and Opening Ceremony** |
| 09:30-10:10 | P | **Title:** Will be Updated Soon<br>**Dieter Bimberg,** *Technical University of Berlin, Germany* |
| 10:10-10:50 | P | **Title:**Discover Functional Photonic Structures via Machine Learning<br>**Wenshan Cai,** *Georgia Institute of Technology, USA* |
| 10:50-11:30 | P | **Title:** Enhanced Interactions of Interlayer Excitons in Free-Standing Hetero-Bilayers<br>**Yuerui (Larry) Lu,** *Australian National University, Australia* |
| 11:30-11:45 | | **Refreshments Break** |
| 11:45-12:25 | P | **Title:** Wavelength Up-Conversion, a Science of the 1970s becoming a Technology for the 2020s.<br>**Peter G.R. Smith**, *University of Southampton, UK* |
| 12:25-12:55 | K | **Title:** Achieving Highest Optical Quality for Automotive Pixelated Lightguides with RGB LEDs<br>**Karlheinz Blankenbach**, *Pforzheim University, Germany* |
| 12:55-13:00 | | **Group Photo** |
| 13:00-13:40 | | **Lunch Break** |
| 13:40-14:20 | P | **Title:** Towards Large-Scale and Integrated Functional Metasurfaces<br>**Xingjie Ni**,*The Pennsylvania State University, USA* |
| 14:20-14:45 | I | **Title:** Optics – New Requirements in Smart Laser Processing<br>**Wojciech Suder**, *Cranfield University, UK* |
| 14:45-15:10 | I | **Title:** The Role of Lasers in Aerospace Sustainability<br>**Kady Gregersen**, *Boeing Research & Technology, USA* |
| 15:10-15:35 | I | **Title:** Phase-Stable Multi-Terahertz Light Sources and Ultrafast Spectroscopy of Dirac Semimetals<br>**Natsuki Kanda**, *University of Tokyo, Japan* |
| 15:35-15:50 | | **Refreshments Break** |
| 15:50-16:15 | I | **Title:** Electromagnetically Induced Atoms Correlation/Entanglement<br>**Reuben Shuker**, *Ben Gurion University of the Negev, Israel* |
| 16:15-16:40 | I | **Title:** Electrically and/or Magnetically Tuneable Diffractive Optical Elements based on a Polymer Scaffold filled with a Nematic Liquid Crystal<br>**Irena Drevensek-Olenik**, *University of Ljubljana, Slovenia* |
| 16:40-17:05 | I | **Title:** Laser Manufacturing of Multifunctional Flexible Sensors & System Integration<br>**Kaichen Xu,** *Zhejiang University, China* |

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| 17:05-17:30 | I | **Title:** Photonic Matrix Computing and its Applications<br>**Jianji Dong**, *Huazhong University of Science and Technology, China* |
| 17:30-17:55 | I | **Title:** Oraganic-Modulated Quantum Dots Photodetetectors<br>**Jingzhou Li** , *University of Chinese Academy of Sciences,China* |
| 17:55-18:20 | I | **Title**: Tunable Third Harmonic Generation via Hybrid Metasurfaces<br>**Liu Hong**, *Institute of Materials Research and Engineering, A*STAR, Singapore* |
| 18:20-18:45 | I | **Title:** The Development of Robust Organic Gain Media for Organic Semiconductors Lasers<br>**Lai Wen-Yong**, *Nanjing University, China* |
| | | **End of Day-1** |

## Day 2, August 11, 2022

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|---|---|---|
| 09:00-09:40 | P | **Title:** II-VI Based Organic-Inorganic Hybrid Structures: Crystallinity, Stability, and Properties<br>**Yong Zhang**, *The University of North Carolina, USA* |
| 09:40-10:20 | P | **Title:** Will be Updated Soon<br>**Hai Xiao,** *Clemson University, USA* |
| 10:20-11:00 | P | **Title:** Will be Updated Soon<br>**Jimmy Xu**, *Brown University, USA* |
| 11:00-11:15 | | **Refreshments Break** |
| 11:15-11:45 | K | **Title:** Paving the Way to Quantum Limited Efficiency by Tweaking the Solid-State Laser Resonator Design<br>**Niklaus Ursus Wetter**, *University of São Paulo, Brazil* |
| 11:45-12:15 | K | **Title**: Photo-Responsive Materials with Intrinsic Chirality for Circular Polarized Luminescence and Relative Application<br>**Wei-Hong Zhu**, *East China University of Science & Technology, China* |
| 12:15-12:40 | I | **Title:** Selective Photo-Excitation of Finite Momentum Excitons in 2D Materials by using Twisted Lights with Orbital Angular Momenta<br>**Shun-Jen Cheng**, *National Yang Ming Chiao Tung University,Taiwan* |
| 12:40:13:05 | I | **Title:** Will be Updated Soon<br>**Jufan Zhang**, *University College Dublin, Ireland* |
| 13:05-13:45 | | **Lunch Break** |
| 13:45-14:10 | I | **Title:** Structural Health Monitoring Using Fiber Sensor<br>**Prasant Kumar Sahu** , *IIT Bhubaneswar, India* |
| 14:10-14:35 | I | **Title**: Progress and Optical Realization of Non-Planar Holography" in the topic of Digital Holography or Holography, Gratings, and Diffraction<br>**Jun Wang,** *Sichuan University, China* |
| 14:35-15:00 | I | **Title:** Fiber-Membrane Composite Devices for Acoustic Sensing<br>**Wenjun Ni**, *South-Central Minzu University, China* |

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| 15:00-15:25 | I | **Title:** All-Optical Control of the Photonic Hall Lattice in a Pumped Waveguide Array<br>**Shirong Lin**, *Great Bay University, China* |
| 15:25-15:40 | I | **Title:** Dynamic Laser Speckle Applied in Agriculture<br>**Roberto Alves Braga**, *Federal University of Lavras, Brazil* |
| 15:40-16:05 | I | **Title:** High Speed Modulated Widely Tunable InP based DBR Lasers<br>**Song Liang**, *Institute of Semiconductor, Chinese Academy of Sciences,China* |
| 16:05-16:20 | | **Refreshments Break** |
| 16:20-16:45 | I | **Title:** High Energy THz Pulse Generation by Filamentation in Gases and Broadband THz Detection at High Repetition Rate<br>**Weiwei Liu**, *Nankai University, China* |
| 16:45-17:10 | I | **Title:** Metasurface for Quantum Optics<br>**Lin Li**, *East China Normal University, China* |
| | | **Few Speaker Slots are Available** |
| | | **End of Day2** |

## Day 3, August 12, 2022

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|---|---|---|
| 09:00-09:40 | P | **Title:** Will be Updated Soon<br>**Shin'ichiro HAYASHI,** *National Institute of Information and Communications Technology, Japan* |
| 09:40-10:20 | P | **Title:** Will be Updated Soon.<br>**Jinlong Wei,** *Huawei Technologies, Germany* |
| 10:20-10:50 | K | **Title:** Lasers in Live Cell Microsopy<br>**Herbert Schneckenburger,** *University of Ulm, Germany* |
| 10:50-11:15 | I | **Title:** Photonic Crystal Nanobeam Cavity with an Ultra-High Quality Factor based on Machine Learning<br>**Li Liu**, *China University of Geosciences, China* |
| 11:15-11:30 | | **Refreshments Break** |
| 11:30-11:55 | I | **Title:** Low-Cost Tunable Lasers and their Applications<br>**Jian-Jun He**, *Zhejiang University, China* |
| 11:55-12:20 | I | **Title:** Using Spatio-Angular Filter and Laser Speckle Imaging towards Monitoring Blood Perfusion and Microcirculation<br>**Aditya Pandya**, *Texas A&M University , USA* |
| 12:20-12:45 | I | **Title:** Research on Microscopic Hyperspectral Imaging Technology in Digital Pathology Diagnosis<br>**Jiansheng Wang** , *East China Normal University , China* |
| | | **Few Plenary, Keynote and Invited Speaker Slots are Available** |

## Day-1 Virtual Presentations

### Starts @Beijing, China Time Zone (GMT+8)

| | | |
|---|---|---|
| 09:00-09:30 | P | **Title:** Will be Updated Soon<br>**Yang Yue**, *Xian Jiaotong University, China* |
| 09:30-09:55 | I | **Title:** Will be Updated Soon<br>**Xingdong Zhao**, *Henan Normal University, China* |
| 09:55-10:20 | I | **Title:** Will be Updated Soon<br>**Yu-Xuan Ren**, *Fudan University, China* |
| 10:20-10:45 | I | **Title:** Will be Updated Soon<br>**Qingli Li**, *East China Normal University, China* |
| 10:45-11:10 | I | **Title:** Modelling of all Optical Devices using Mach-Zehnder Interferometer<br>**Lokendra Singh**, *Koneru Lakshaiah Educational Foundation , India* |
| 11:10-11:25 | I | **Title:**Comparative Investigation of Electron Energy Gain by Linearly and Circularly Polarized Hermite Cosh Gaussian Laser Pulse<br>**Jyoti Rajput** , *Lovely Professional University, India* |
| 11:25-11:50 | I | **Title:** Will be Updated Soon<br>**Minghong Yang**, *Wuhan University of Technology , China* |
| 11:50-12:15 | I | **Title:** Real-Time Optical Fiber Radiation Dosimetry<br>**Hairul Azhar Bin Abdul Rashid**, *Multimedia University, Malaysia* |
| 12:15-12:40 | I | **Title:** Oraganic-Modulated Quantum Dots Photodetetectors<br>**Jingzhou Li**, *University of Chinese Academy of Sciences, China* |
| 12:40-13:05 | I | **Title:** Will be Updated Soon<br>**Eduardo F. Fernández**, *Universidad de Jaén, Spain* |
| 13:05-13:30 | I | **Title:** Single-Frequency Brillouin/ Erbium-Ytterbium Fiber Laser<br>**Mo Chen**, *National University of Defense Technology, China* |

Virtual Speaker Slots are Available

**This is a Tentative Program , it is Subjected to Slight Changes Till Final Program**

End of Virtual Presentations