



Global Scientific Guild Conference

Program

4th Global Webinar on Laser Optics and Photonics

November 29-30, 2023

Conference Chairman



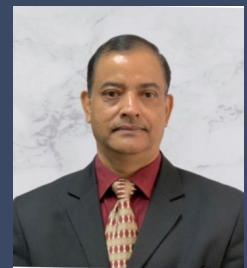
Mr. Joe Sarver
Laser R&D Scientist
USA

Technical Co-Chairman



Dr. Yuvaraja Visagathilagar
Principal Engineer at QinetiQ
Australia

Conference Co-Chairman



Prof. Sib Krishna Ghoshal
University of Technology
Malaysia

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<https://www.globalscientificguild.com/laser-optics-photonics/>

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Day-1

Wednesday, November 29, 2023

Conference starts at 09:00 AM Eastern Standard Time or 02:00 PM GMT or 07:30 PM IST

- | | |
|-------------|--|
| 09:00-09:10 | Introduction/Opening Ceremony |
| 09:10-09:40 | Title: Direct laser marking versus laser bonding technologies.
Joe Sarver, Laser R&D Scientist, USA |
| 09:40-10:05 | Title: A Machine-vision based Framework for Geometric Defect Compensation in Laser Additive Manufacturing of Thin-Walled Parts
Prof. Dr. Lida Zhu, School of Mechanical Engineering and Automation, NEU, China |
| 10:05-10:30 | Title: Colorful Triplet Excitons in Carbon Nanodots for Time Delay Lighting
Dr Shi-Yu Song, Zhengzhou University, China |
| 10:30-10:55 | Title: Laser-based white lighting source for simultaneous high-speed visible light communication and high-efficiency solid-state lighting.
Dr. Amjad Ali Amjad, Peking University, China |
| 10:55-11:20 | Title: Efficient Electron acceleration due to novel Hermite Cosh Gaussian Laser beam
Dr. Jyoti Rajput, Associate Professor, Department of Physics, Lovely Professional University, Phagwara, India. |
| 11:20-11:30 | Break |
| 11:30-11:55 | Title: Quantum Computing hype worldwide
Dr. Albert Lehmeyer, Physicist, Headhunter, Quantum Insider, Germany |
| 11:55-12:20 | Title: Water vapor therapy an innovative treatment for BPH: physical principles and surgical technique.
Dr. Giampaolo Siena, Careggi University Hospital, Italy |
| 12:20-12:45 | Title: Reversible environmental modulation of the emission properties of lead halide perovskite nanocrystals
Dr. Marco Anni, University of Salento, Italy |
| 12:45-13:10 | Title: Efficient Polarization Intensity Combining with Silicon Slot-Waveguide MMI Configuration
Dror Malka, PhD, Senior Lecturer, Holon Inst. of Technology - HIT, Israel |

Day 1 Ends

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Day-2

Thursday, November 30, 2023

Conference starts at 09:00 AM Eastern Standard Time or 02:00 PM GMT or 07:30 PM IST

- 09:00-09:25** **Title: Will be updated soon...**
Dr. Yuvaraja Visagathilagar, Principal Engineer at QinetiQ, Australia
- 09:25-09:50** **Title: Antibacterial Potency of Pulse Laser Engineered Plasmonic Silver-Copper-Nanoshells**
Prof. Sib Krishna Ghoshal, University of Technology Malaysia, Malaysia
- 09:50-10:15** **Title: Optimization of methane gas optical sensor based on MachZehnder interferometer**
Pouriya Poursafargholi , University of Tabriz, iran
- 10:15-10:40** **Title: Computational Modeling of Optogenetic Control of Neurons and Human Cardiomyocytes**
Prof. Sukhdev Roy, Dayalbagh Educational Institute, India
- 10:40-10:50** **Break**
- 10:50-11:15** **Title: Uniting Distant Atoms: Exploring Shared Radiant Modes in Nanophotonic Waveguides**
Hamidreza Siampour, Queen's University Belfast, UK
- 11:15-11:40** **Title: Quantum Chipllets: Micro Optics Integration Issues**
Dr. Douglas Sparks, President of M2N Technologies LLC, USA
- 11:40-12:05** **Title: Chemical Bonds of ZnO Rocksalt and Wurtzite types Under Extended Pressure and Temperature; a Molecular Dynamics prediction**
Dr. Yahia Chergui, Electrical & Electronics Engineering Institute, Boumerdes, Algeria
- 12:05-12:30** **Title: Wireless optical communication system model**
Dr. Xizheng Ke, Xi'an University of Technology, China

Day 2 Ends

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Next Event:

**5th Global Webinar on
Laser, Optics and Photonics
April 17-18, 2024**