FINAL PROGRAM

SciTechSeries

3rd INTERNATIONAL CONFERENCE ON OPTICS AND LASER TECHNOLOGY

3rd WORLD CONGRESS ON NANOTECHNOLOGY

3rd GLOBAL EVENT ON MATERIALS SCIENCE AND ENGINEERING

OCTOBER 29–30, 2026



HOLIDAY INN
Conference Centre Berlin
Hans-Grade-Allee 5
12529 Schönefeld bei Berlin, Germany

Note:

- The conference follows Central European Time for In-person and for Virtual sessions.
- The program will take place @ HOLIDAY INN Conference Centre Berlin in Hybrid mode.
- Virtual presentations which takes place in Zoom meetings in **Central European Time (CET)**.
- Sometimes there may be small changes in the program due to technical problems or presenters not showing up. To avoid missing any presentations, all presenters are asked to be available for the entire day of their presentation. When the program refers to Local Timings, it means that the timing mentioned is based on the time zone of the presenter's country.

DAY- 01

OCTOBER 29, 2026
Thursday

Central European Time (CET) (Hybrid Event)

09:00-09:30 Registrations & AV check

09:30-10:00 Opening Ceremony and Introduction

Moderator
Sudip Chatterjee,
Haldia Institute of Management, India

KEYNOTE PRESENTATIONS

10:00-10:40
Title: Compound Semiconductors and VCSEL Chips Technology and Applications
David Cooke, Director of Sales at Vital Materials, USA

10:40-11:20
Title: Alternative Testing Strategies For Nanomaterials Safety Assessment: From Mechanistic Studies To Regulatory Needs
Ying Jan Wang, National Cheng Kung University, Taiwan

Coffe Break & Group Photo (11:20-11:30)

11:30-12:10
Title: The Study Of Einstein Relation In Quantum Wire Superlattices (QWSL) Of Parabolic Semiconductors: Simplified Theory And Suggestions For Further Experimental Determination In Biomaterials
Sudip Chatterjee, Haldia Institute of Management, India

12:10-12:50
Title: From Human Implants To 4D Printing: Pushing The Boundaries Of Nanomedicine
Thomas J Webster, Brown University, USA

Lunch Break (12:50-13:50)

Moderator
Teodora Llocllа Aguilar, National University of Engineering, Peru

ORAL PRESENTATIONS

13:50-14:20
Title: Multispectral Thermal Imaging Enabled by Dispersion-Engineered Metalens
Shaowei He, University of Electronic Science and Technology of China, China

14:20-14:50
Title: Noise-Resistant Single Photon Detection for Applications in Extreme Environments
Chengbing Qin, Shanxi University, China

14:50-15:20
Title: Upconversion Luminescence Control of Lanthanide-Doped Nanoparticles and Its Application in Mid Infrared Detection
Ruiyun Chen Shanxi University, Institute of Laser Spectroscopy, China

15:20-15:50
Title: Synthesis, Characterization, Antimicrobial, Ecotoxicological And Compostability Evaluation Of Keratin-Silver Nanoparticles Composites (Keratin-AgNPs)
Teodora Llocllа Aguilar, National University of Engineering, Peru

15:50-16:20
Title: Nano Medicine: Thermotherapy-Empowered Cognitive Gold Nano-Thermo Robots For Targeted Arterial Plaque Removal
Zahid Hasan, NCBAE: Alhamara University, Pakistan

16:20-17:10

POSTER PRESENTATIONS

PB001

Title: Towards a Unified Nanoparticle Characterisation Technique by the Coupling of Polarimetry with Traditional Light Scattering Methods
Matthew Jacobs, University of Bristol, UK

PB002

Title: TRadial Thulium Distribution and Local Structural Environment in a Multi-Ring Silica Fibre Laser Preform
Wladyslaw Owsinski, AGH University of Krakow, Poland

KEYNOTE PRESENTATIONS

17:10-17:50

Title: Memory Characteristics and Crystallographic Basis of Reversibility in Shape Memory Alloys
Osman Adiguzel, Firat University, Turkey

*** End of Day 1 ***

DAY- 02

OCTOBER 30, 2026

Friday

Central European Time (CET) (Hybrid Event)

08:00-08:30	Registrations & AV check	**Moderator**
08:30-09:00	Opening Ceremony and Introduction	**Manjushree Bhattacharyya,** **Vidyasagar University, India**

CET	Local Timings	KEYNOTE PRESENTATIONS
09:00-09:30	17:00-17:30	**Title:** Sensor, energy and environmental applications of fullerene nanowhiskers and related carbon nanomaterials **Kunichi Miyazawa,** Nano Alloy Technology Inc, Japan
09:30-10:00	16:30-17:00	**Title:** Azodye Photoaligned Nanolayers For Liquid Crystal: New Nanomaterial Application **Vladimir Chigrinov,** Hong Kong University of Science and Technology, Hong Kong
10:00-10:30	12:00-12:30	**Title:** Field Effect Transducers For Nanosensors **Martin Grell,** University of Chuka, Kenya
10:30-11:00	12:30-13:00	**Title:** Role Of Mineralogical Phase-Change Anomalies In Modifying Snow–Ice Mass Balance **Bulent Gultekin Akinoglu,** Middle East Technical University, Turkey
11:00-11:30	12:00-12:30	**Title:** AI-Optimized Green-Light WDM Multiplexer Based on Multicore Polymer Optical Fiber **Dror Malka Holon,** Institute of Technology, Israel
11:30-12:00	11:30-12:00	**Title:** Managing Knowledge-Based Integration And Interoperability In Intelligent And Ethical Transformed Health And Social Care Ecosystems **Bernd Blobel,** University of Regensburg, Germany
12:00-12:30	08:00-08:30	**Title:** Graphene Quantum Dots As A New Platform For Photodynamic Therapy **Paulo Cesar De Morais,** Catholic University of Brasilia, Brazil
12:30-13:00	07:30-08:00	**Title:** Effective Partial Carbon Black Replacement by Pyrolyzed Soybean Hulls in Composites with High Density Polyethylene **Erol Sancaktar,** The University of Akron, USA

ORAL PRESENTATIONS

13:00-13:25	17:30-17:55	**Title:** A facile highly selective colorimetric detection of Pb2+ ions using gold nanoparticles as a probe and its application in real samples analysis **Manjushree Bhattacharyya,** Vidyasagar University, India

13:25-13:50 | 13:25-13:50 **Title:** Preparation of green nanotools as new photothermal agents in antimicrobial disinfection and cancer care

Lucia Mergola, University of Salento, Italy

13:50-14:15 | 18:20-18:45 **Title:** Role of d electrons in Multifunctional Materials

Sujit Kumar Bandyopadhyay, Variable Energy Cyclotron Centre, India

14:15-14:40 | 14:15-14:40 **Title:** From Nanomaterials to Functional Composites: A Safe-by-Design Strategy for Practical Applications

Jana Soukupova, Palacký University, Czech Republic

14:40-15:05 | 09:40-10:05 **Title:** Active control of ablation threshold of materials using optical vortex beams

Melika Afshar, Ottawa University, Canada

15:05-15:30 | 14:05-14:30 **Title:** Enhanced Bioenergy Production by a Pre-Cultured Pseudomonas–Bacillus Consortium Using a PANI/rGO/g-C_3N_4-Modified Flexible Anode in a Single-Chamber Air-Cathode Microbial Fuel Cell

Afreen, Northumbria University, UK

POSTER PRESENTATIONS

15:30-15:45 | 16:30-16:45 **Title:** Influence of Synthetic Gold Nanoparticles on Growth and Physiological Responses of Rucola (Eruca Sativa Mill.) Seedlings Under Salt Stress

Aleksandra Mosenoka, Daugavpils University, Latvia

15:45-16:00 | 09:45-10:00 **Title:** Lowering Entry Costs of Two Photon Polymerization by Creation of Visible Wavelength Processes

Blake Daiber, Auburn University, USA

*** Closing ceremony ***

UPCOMING CONFERENCES

We wish to engage with you again in 2027...

4th INTERNATIONAL CONFERENCE ON OPTICS AND LASER TECHNOLOGY

OCTOBER 07-08, 2027 | BERLIN, GERMANY

https://www.scitechseries.com/optics

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4th WORLD CONGRESS ON NANOTECHNOLOGY, ARTIFICIAL INTELLIGENCE AND ADVANCED ENGINEERING

OCTOBER 07-08, 2027 | BERLIN, GERMANY

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