



SCIENTIFIC SUMMITS

# WSELOP-2024

October 17-18, 2024 | Bern, Switzerland

WORLD SUMMIT AND EXPO ON  
**LASERS, OPTICS AND  
PHOTONICS**

**FINAL  
PROGRAM**



# WELCOME TO WSELOP-2024

OCTOBER 17-18, 2024 | BERN, SWITZERLAND

ORGANIZED BY



SCIENTIFIC SUMMITS

# DAY 1 | THURSDAY, OCTOBER 17, 2024

09:00-09:20	REGISTRATIONS
09:20-09:30	OPENING CERMONY
PLENARY TALKS	
09:30-10:10	Title: Pursuing Super-Resolution in FS Laser 3D Manufacturing Hong-Bo Sun, Tsinghua University, China
KEYNOTE TALKS	
10:10-10:40	Title: Intriguing Connections between Optics and Number Theory: From Number Factorization to Zeroes of Riemann Zeta Function Sergey Ponomarenko, Dalhousie University, Canada
10:40-11:20	Title: Light Field 3D Display with High Performance Qiong-Hua Wang, Shenzhen University, China
11:20-11:40	COFFEE BREAK
11:40-12:10	Title: Optical and Spin Properties of Individual Divacancy Defects Near Stacking Fault in Silicon Carbide Jin-Shi Xu, University of Science and Technology of China, China
INVITED TALKS	
12:10-12:35	Title: Induction System for Permanent Plasma Enclosure in a Stellarator Type Fusion Reactor Friedrich Grimm, University of Stuttgart, Germany
12:35-13:00	Title: Photonic Crystal UV Micro LED Muramoto Yoshihiko, President & CEO of Nitride Semiconductors Co., Ltd., Japan
13:00-14:20	GROUP PHOTO & LUNCH BREAK
WORKSHOP	
14:20-14:50	Title: The Cradle of China's Optics: a Brief Introduction of CIOMP Hui Wang, Chinese Academy of Sciences, China

<b>14:50-15:15</b>	Title: Coaxial Bright and Dark Field Adaptive Optical Coherence Tomography Yukun Wang, Chinese Academy of Sciences, China
<b>15:15-15:40</b>	Title: Hyperspectral Observations and Radiometric Calibration of Solar Spectral Irradiance LI Yue, Chinese Academy of Sciences, China
<b>15:40-16:05</b>	Title: Research on Desensitization Design Method of Optical Systems Meng Qingyu, Chinese Academy of Sciences, China
<b>16:05-16:25</b>	<b>COFFEE BREAK</b>
<b>16:25-16:50</b>	Title: Efficient Low-Dimensional Photodetectors Shaojuan Li, Chinese Academy of Sciences, China
<b>16:50-17:15</b>	Title: Modeling of Advanced Optical Surfaces with Localized and Segmented Approaches Site Zhang, Chinese Academy of Sciences, China
<b>17:15-17:40</b>	Title: Research on the Thermal Blooming of Laser Propagation in the Inner Channel Shuai Shao, Chinese Academy of Sciences, China
<b>17:40-18:05</b>	Title: Optical Metasurfaces Induced Light Manipulation in Optoelectronic Devices Yan-Gang Bi, Jilin University, China
<b>END OF DAY 1</b>	

## DAY 02 | FRIDAY, OCTOBER 18, 2024

<b>KEYNOTE TALKS</b>	
<b>09:30-10:00</b>	Title: Organic Single-Crystal Semiconductors for Light-Emitting Applications Jing Feng, Jilin University, China
<b>10:00-10:30</b>	Title: Applications of AES, XPS and TOF SIMS to Phosphor Nanomaterials Hendrik Swart, University of Free State, South Africa

## INVITED TALKS

10:30-10:55

Title: Freeform Beam-Shaping System Design with Monge-Ampère Equation Method

Rengmao Wu, Zhejiang University, China

10:55-11:20

Title: Fiber-Based Laser Interferometry for High-Speed Railway Health Monitoring using Telecom Cable Along the Line

Bo Wang, Tsinghua university, China

11:20-11:40

COFFEE BREAK

11:40-12:05

Title: High-Resolution Patterning of Fluorescent Films by Femtosecond Laser-Induced Forward Transfer

Yue-Feng Liu, Jilin University, China

12:05-12:30

Title: Diffractive Gratings used in High Power Laser System

Yunxia Jin , Chinese Academy of Sciences, China

12:30-12:45

Title: Low Power Consumption Polymer Variable Optical Attenuator Array and its Application

Zhang Daming , Jilin University, China

12:45-13:15

Title: Non-Polarizing and Tunable Optical Band Pass Filter Based on Planar Optical Waveguide

Jianhua Liu, Fudan University, China

13:15-13:30

GROUP PHOTO

## POSTER PRESENTATIONS

P-001

Title: Single-Crystalline Hole-Transporting Layers For Efficient and Stable Organic Light-Emitting Devices

Gao-Da Ye, Jilin University, China

P-002

Title: Transfer-Imprinting-Assisted Growth of 2D/3D Perovskite Heterojunction for Efficient and Stable Flexible Inverted Perovskite Solar Cells

Han-Wen Zhang, Jilin University, China

END OF THE CONFERENCE

# WSELOP-2025

July 14-16, 2025 | Kuala Lumpur, Malaysia

2<sup>ND</sup> WORLD SUMMIT AND EXPO ON  
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**UPCOMING  
IN 2025**



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