



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



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

## DAY 02 | FRIDAY, OCTOBER 18, 2024

KEYNOTE TALKS	
09:30-10:00	Title: <b>Organic Single-Crystal Semiconductors for Light-Emitting Applications</b> Jing Feng, Jilin University, China

10:00-10:30	Title: Applications of AES, XPS and TOF SIMS to Phosphor Nanomaterials Hendrik Swart, University of Free State, South Africa
<b>INVITED TALKS</b>	
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
12:45-13:00	GROUP PHOTO
13:00-14:00	LUNCH BREAK
<b>POSTER PRESENTATIONS</b>	
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
<b>END OF DAY 2</b>	

# WSELOP-2025

July 14-16, 2025 | Kuala Lumpur, Malaysia

2<sup>ND</sup> WORLD SUMMIT AND EXPO ON  
LASERS, OPTICS AND PHOTONICS

UPCOMING  
IN 2025