

## Conference Agenda

2024年4月20日 | 纽宾凯N+国际酒店(武汉市江汉区新华路231号), 5楼宾悦厅  
April 20, 2024 | 5<sup>th</sup> Floor, N+ International Hotel New Binkai

12:00-14:00 注册签到 Registration

14:00-14:10 开幕式、合照 Opening Ceremony & Group Photo

## 主讲报告 Keynote Speeches

14:10-14:40 岳洋教授, 西安交通大学  
Prof. Yang Yue, Xi'an Jiaotong University, China  
题目: 环芯光纤赋能高速轨道角动量模分通信  
Title: Optical Ring-core Fiber Enabled High-speed OAM-based Communications

14:40-15:10 张磊教授, 南京信息工程大学  
Prof. Lei Zhang, Nanjing University of Information Science and Technology, China  
题目: 数据机器学习驱动新材料设计研究  
Title: Data-driven machine learning design of new functional materials

15:10-15:40 董波教授, 深圳技术大学  
Prof. Bo Dong, Shenzhen Technology University, China  
题目: 基于碳基薄膜材料的全光调控滤波器的研究  
Title: Research on all-optical tunable filters based on carbon based thin film materials

15:40-16:10 Prof. Osman Adiguzel, Firat University, Elazig, Turkey  
(Turkish time: 10:40-11:10) Title: Shape Memory Phenomena and Crystallographic Aspects of Reversibility in Shape Memory Alloys

16:10-16:30 茶歇、海报展示 Tea Break & Poster Displays



## 口头报告 Oral Presentations

16:30–16:40	郑颖, 西南科技大学 Ying Zheng, Southwest University of Science and Technology Title: Numerical simulation of efficient solar absorbers and thermal emitters based on multilayer nanodisk arrays
16:40–16:50	赵贝贝, 上海交通大学 Beibei Zhao, Shanghai Jiaotong University Title: Effect of ageing and thermal exposure on microstructure and mechanical properties of a HPDC Al–Si–Cu–Mg alloy
16:50–17:00	李星宇, 华中科技大学 Xingyu Li, School of Physics, Huazhong University of Science and Technology Title: Analysis of the Influencing Factors of Transmission Coefficients based on ZnSe/BeTe Heterojunction
17:00–17:10	李伟, 上海交通大学 Wei Li, Shanghai Jiao Tong University Title: Study on the $\alpha$ -Al precipitation behavior during crystallization of Al-based amorphous alloys
17:10–17:20	于益, 中国工程物理研究院应用电子学研究所 Yi Yu, Institute of Applied Electronics, China Academy of Engineering Physics Large aperture Sm:YAG /Nd:YAG composite ceramic disk laser
17:20–17:30	郭威, 北京科技大学 Wei Guo, University of Science and Technology Beijing Title: Reconfigurable Optoelectronic Memcapacitor based on Quantum Capacitance Effect of MoS <sub>2</sub>
17:30–17:40	赵伟, 长沙理工大学 Zhaowei, Changsha University of Science and Technology Title: Study on the effect of topological arrays on the flexural load carrying capacity of composite beams
17:40–17:50	郁鑫, 上海交通大学 Xin Yu, Shanghai Jiao Tong University Title: A Mg–6Y–3Zn–1Al Mg HPDC alloy having high thermal stability: Study of grain growth kinetics
17:50–18:00	齐笑晨, 辽宁大学 Xiaochen Qi, Liaoning University Title: Large-scale preparation of water-soluble cadmium sulfide quantum dots by using hydrodynamic cavitation method
18:00–18:05	闭幕式 Closing Ceremony

海报展示 Poster Displays

**Yun Yang**, Lyuliang University

Wind-driven Complex Energy Harvester For Forest Fire Monitoring

**Zheng Ge**, University of Science and Technology of China

Mid-infrared Light Field Detection Based on Spectral Translation

**Shanshan Du**, Beijing University of Technology

Temperature-dependent Characteristics of the High-speed 850nm VCSEL

**Run Liu**, Shanghai Ulink Education Group

Terahertz reflection measurement of ceramic coating thickness and erosion damage

**Miao Yu**, JILIN ENGINEERING NORMAL UNIVERSITY

Development and Research of 2 $\mu$ m Tunable Thulium-Doped Fiber Laser End-Cap Based on F-P Filter

**Changjiang Ye**, Northwestern University

Study of backscattering noise in resonant fiber-optic gyroscope based on a broadband source

**YongHao Ma**, Beijing University of Technology

Single GaAs Nanowire-Based High-Performance Photodetectors

**Baiying Lv**, University of Science and Technology of China

Multi-wavelength Structured Light Based on Metasurfaces for 3D Imaging

**Qingqing lv**, Anhui Institute of Optics and Fine Mechanics, HFIPS, CAS

Study on the influence of spectrometer integration time on the acquired signal

**Qingqing lv**, Anhui Institute of Optics and Fine Mechanics, HFIPS, CAS

A method for cerebral blood oxygen collection based on near infrared spectroscopy

**Chanchan Luo**, University of Science and Technology of China

Optical Feedback Observation of DFB Semiconductor Laser by Optical Spectrum Analyzer

**Songnian Tan**, Changchun Institute of Optics, Fine Mechanics and Physics, CAS

Optical surface roughness improvement using hot isostatic pressing and coating of additively manufactured mirrors