



ANSO Training Workshop for Young Talents in Optics

Xi'an, China | Sept. 21-23, 2022

The ANSO Symposium on Basic Science for Sustainable Development: Sharing Light – Tradition and Innovation will be held by Xi'an Institute of Optics and Precision Mechanics of CAS (hereafter XIOPM, CAS), in the starting point of Silk Road as well as the famous ancient capital city of China, from September 21st to 23rd, 2022.

As part of the ANSO symposium, we will hold the ANSO young international optical talent training workshop to cultivate the young scientists of optical field for the countries in the Belt and Road regions. We will be together to exchange the culture and ideas, strengthen the basic research cooperation under the ANSO framework, improve the thinking model consisting innovation and industrial application and incubation.

1. Date and Time 时间

21-23 September 2022

Day 1

14:00-18:00 (Beijing time/GMT+8) or 6:00-10:00 (UTC)

Day 2 & 3

9:30-12:00 (Beijing time/GMT+8) or 1:30-4:00 (UTC)

2. Topics 会议主题

Taking optical materials, technologies, devices and industrial applications as the main training line, focusing on the cutting-edge fields such as fiber optics, integrated optics, biological imaging and ultrafast optics.

Mainly include but not limited to the following topics:

- 1) Fundamentals of fiber optic materials and devices
- 2) Preparation and drawing process of optical fiber
- 3) Fiber optics and its applications
- 4) Overview of integrated optics and technology
- 5) Advanced technology and devices of photonic chip
- 6) Application and industrialization of photonic chip
- 7) Advanced theory and technology of ultrafast optics
- 8) Ultrafast diagnosis and detection technology



3. Schedule 日程

Day 1		
Beijing time	Content	
14:00-14:30	Opening ceremony of training	
14:30-15:00	Introduction of the XIOPM	
15:00-15:30	Overview of the scholarships and funds in China	
15:30-16:30	Visiting the XIOPM	
16:30-18:00	Self-introduction and free discussion	
Day 2		
9:30-10:00	Fiber optic devices and application	Haitao Guo
10:00-10:30	Mode-controllable nanowire lasers	Xuetao Gan
10:30-11:00	Photonic integrated circuit technology and applications	Binhao Wang
11:00-12:00	Visiting Herch Opto Electronic Technology Co., Ltd.:A Leading Fluorescence Fiber Optic Temperature Sensor & Monitoring Solution Provider	Wensong Zhang
Day 3		
9:00-9:30	Fundamentals of ultrafast optics	Yuxi Fu
9:30-10:00	Frontier of biophotonics	Baoli Yao
10:00-10:30	Ultrafast diagnosis and detection technology	Xing Wang
10:30-11:00	Space photon detector and detection	Yonglin Bai
11:00-12:00	Visiting the MicroMach Photonics Technology Co., Ltd: Laser micro machining solution	Xiaojun Yang

4. Format 会议形式

Online: ZOOM for invited speakers and guests, Bilibili for audience

5. Potential Trainees 培训对象



Young talents (masters, doctors, post-doctors, visiting scientists etc.) in related fields.

6. Registration:注册

There is no registration fee. Please fill up the receipt to qianqian10ya@163.com. The email subject should be “Name + Return Receipt”. Please feel free to contact the conference committee if you have any unfinished business.

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Return Receipt

Name (Chinese)		Name (English)		Professional title	
Employer					
Tel			Email		

7. Hosts 主办方

The Alliance of International Science Organizations (ANSO)

Shaanxi Provincial Department of Science and Technology

Xi'an Institute of Optics and Precision Mechanics, Chinese Academy of Sciences

Pakistan Academy of Sciences

The Scientific and Technological Research Council of Türkiye (TÜBİTAK)

8. Contact

SHE Jiangbo, XIOPM, CAS

E-mail: shejb@opt.ac.cn, TEL: +86 13609189554

YANG Yuchen, XIOPM, CAS

E-mail: yangyuchen@opt.ac.cn, TEL: +86 18629603506