

Integrated Photonics and Optical Communication Zone

Hall N5

The Integrated Photonics and Optical Communication Zone will focus on the "Devices → Modules → Systems → Scenario Applications" complete ecosystem. Incorporate cutting-edge innovative photonics technologies, aiming to establish a core hub for the global optical communication industry and elevate industry development to new heights.

From key technologies to application solutions, Integrated Photonics paves the way forward!

With the advancements in big data and AI (artificial intelligence), the significance of data centers will grow, making information transfer between data centers a crucial concern, as exemplified by the "East Data, West Computing" Project. The Integrated Photonics and Optical Communication Zone targets the core sectors of optical communications and chips, prioritizing areas such as integrated photonics and optical interconnection systems. By uniting industry, academia, and research resources, it endeavors to address challenges like chip and optical path co-design and high-density integrated packaging, thereby bolstering the nation's status as a significant force in the global integrated photonics and communication connectivity arena.

Two Major Sectors of Integrated Photonics and Optical Communication Zone



Sector 1: Core Devices and Materials



Sector 2: Manufacturing Equipments
and System Applications

Exhibition Scope (including but not limited to)

Sector 1: Core Devices and Materials



Optical chips

- Discrete optical chips: Laser chips, Detector chips, Amplifier chips, Passive device chips
- Integrated photonic chips: Silicon optical transceiver chips, Perovskite/silicon nitride integrated photonic chips, InP PIC, Optoelectronic integrated circuits



Optical components

- Ceramic sleeves, Ceramic ferrules
- Optical fiber adapters
- Other structural parts: Optical transceiver interfaces, Precision metal parts, Converters



Optical devices

- Passive optical devices: Optical fiber connectors, Optical splitters, Wavelength division multiplexers/demultiplexers, Optical switches, Optical isolators, Optical attenuators
- Active optical devices: Light sources/lasers, Photodetectors, Optical amplifiers, Optical modulators, Optical emission submodules



Optical modules

- Optical receiving modules, Optical transmitting modules, Integrated optical transceivers, Optical transponder modules,
- Coherent modules
- Pluggable optical modules
- Silicon optical modules



Optical fiber and Transmission mediums

- Optical fibers and cables: Communication optical fibers, Special optical fibers
- Key materials: Semiconductor materials, Optoelectronic packaging materials, Optical fiber preforms, Coating materials, Sheath materials

Section 2: Manufacturing Equipments and System Applications



Semiconductor packaging and testing equipment

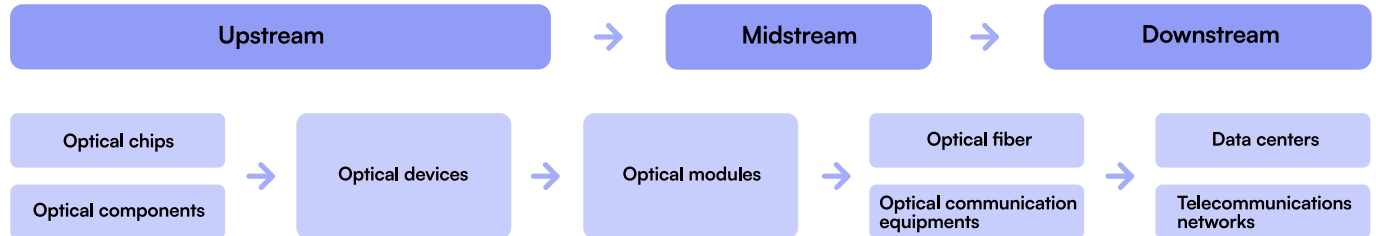
- High-precision placement machines
- Capping machines and laser sealing equipment
- Coupling packaging equipment
- Die bonder
- Wire bonding Machine
- Automatic Test Equipment
- Wafer testing equipment
- Aging test equipment



Application solutions

- Data centers
- In-vehicle communication
- Telecommunication networks
- Artificial intelligence

Optical Communication Industry Chain



What exceptional opportunities can be accessed by participating in the zone?



Precise trade matchmaking

Prioritizes participation in XMatch procurement matching sessions, with personalized invitations extended to professional buyers in sectors such as communications, chip manufacturing, and semiconductors.



New product launch hub

The zone provides a stage for new product debuts and forums for new application solutions, facilitating rapid reach to target customers with cutting-edge technologies.



Extensive media coverage

Amplify brand influence through press releases, WeChat pushes, email campaigns, partner media, and multimedia matrix.



Ecosystem synergy value

Integrates into the comprehensive ecosystem of "devices → modules → systems → scenario applications" to enhance technical visibility and collaboration opportunities.

How to participate? 3 ways to unlock!

01 Apply as a main exhibitor for the zone



Benefits:

- Booth will be located in Hall N5 (booth fee consistent with the application form) .
- Complimentary offer: 15 minutes of dedicated presentation slot (requires new product launch or new application solution).
- Special logo in the Online Catalogue + Multi-channel promotion (news, WeChat, email, media).



Integrated Photonics and Optical
Communication Zone

02 Apply for an affiliated booth in the zone (applicable to exhibitors with main booth):

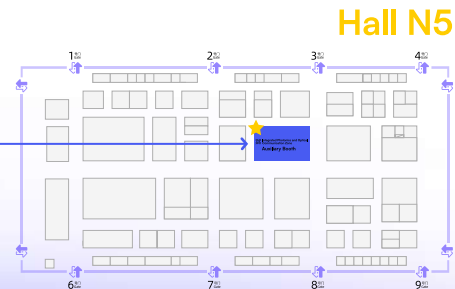
Benefits:

- Main booth (outside Hall N5) + affiliated booth (inside Hall N5), paired integration to maximize exposure.
- Complimentary offer: 15 minutes of dedicated presentation slot (requires new product launch or new application solution).
- After upgrade, it will equally activate the zone identification of Online Catalogue + Multi-channel promotion (news/WeChat/email/media).



- Promotional signage provided at affiliated booth guiding professional visitors to your main booth.

Corporate Logo
Welcome to visit our main
booth: N3.3300



03 Other participation options

Benefits:

- Product collections of WeChat articles.
 - Themed keynote presentation.
 - Printing material sponsorship for conference.
 - Tea break sponsorship.
 - Exclusive naming rights for the Visitor Lounge.
-

*All above applications require submission of product materials.



Topics of Concurrent Conferences

optical isolators

optical attenuators

all-optical data centers,

optical fiber and cables

thin-film lithium niobate (TFLN)

optical devices

quantum communication security
photonic packaging production lines

Optical communication chips

optical modules

optical components

system integrators

optical couplers

silicon photonic chips

6G optical sensing

AI-powered optical interconnection

quantum dot lasers

optical communication standard testing

5G-A optical carrier

photonic AI chips

quantum encryption terminals

laser chips

optoelectronic wafer manufacturing

Real Demands from Visitors

LONGi Green Energy

—— Focus on optical devices in optical communications, advanced packaging technology, and the trends and directions in the development of optical communications.

ZTE Corporation

—— Observe the presentation of optical communication products and lasers. The on-site laser segment's depiction is quite remarkable, and the arrangement and technical presentation of related products are also rather comprehensible. Optical communication products are fairly dispersed. It is hoped that a dedicated optical communication section could be established to enable easier access to target products.

HiSilicon

—— Emphasize the entire production process of optical communication. Current exhibits related to optical communication at the venue have showcased some technological highlights of the industry's procedural innovations. A more interconnected presentation of the processes at various stages, possibly linked through a streamlined display logic, would likely be more intuitive.

Part of previous visitors

China Communications Services Corporation Limited	Tienfu Lake Laboratory	Shandong Academy of Sciences
China Mobile (Shanghai) Industrial Research Institute	Aviation Industry Research Institute	Shanghai GTX Semiconductor Co., Ltd
China Telecom	Beihang University (Beijing University of Aeronautics and Astronautics)	Shanghai Institute of Technical Physics, Chinese Academy of Sciences
China Unicom Group Beijing Communication Co., Ltd.	Beijing (Zhejiang) 5G Research Institute	Shanghai Jiao Tong University
ZTE Corporation	Beijing Academy of Quantum Information Sciences	Shanghai Nokia Bell
ByteDance	Beijing Zhongbo Chip Semiconductor Technology Co., Ltd.	Shanghai Radio Equipment Research Institute
Cisco Systems, Inc.	China Radio & Television	Shanghai Satellite Equipment Research Institute
Ericsson (China)	China South Industry Research Institute	Shanghai Ship Equipment Research Institute
FiberHome Telecommunication	Fujian Radio and Television Planning and Design Institute	Shanghai Yansi Communication Technology Co., Ltd.
Finisar Corporation	Guangchi Communication Technology Co., Ltd.	Shenzhen iseeLink Communication Technology
Hisilicon Semiconductor Co., Ltd.	HUA HONG SEMICONDUCTOR	Suzhou TFC Optical Communication Co., Ltd.
Huawei Technologies Co., Ltd.	Hitronics Technologies	Tianjin Jiuri Semiconductor
iFLYTEK Co., Ltd.	JCET Group	Tongfu Microelectronics
Lenovo	Kuang-Chi Technologies Co., Ltd.	Tsinghua Unigroup Co., Ltd.
Motorola	Lianke Semiconductor	UCAS Hangzhou Institute for Advanced Study
Samsung	MediaTek Inc.	University of Electronic Science and Technology of China
SenseTime Group	Nanjing AOS Semiconductor Co., Ltd.	University of Science and Technology of China Shanghai Institute
Sony Corporation	National University of Defense Technology	Wuhan Institute of Electro - acoustic Science and Technology
TCL	Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences	Xiamen Benxin Semiconductor Technology Co., Ltd.
Xiaomi	Peking University Yangtze River Delta Optics and Photonics Research Institute	Zhejiang University Shandong Industrial Research Institute

Part of previous exhibitors



Cooperation Media



About exhibition

Relying on Messe München, the Shanghai-based Laser World of Photonics China was founded in 2006. Since then, it is oriented to the Chinese market and extends to Asia-Pacific region, and further connects with premium exhibitors and buyers in industries of laser, optics and optoelectronics across Asia and even the world. Working with Chinese and international optoelectronic professionals, the event will actively promote the transformation and realization of scientific and technological achievements, explore the future direction of the optoelectronic industry, and keep track of new technologies and new trends, in a bid to help the innovative development of traditional industries and emerging industries, provide powerful support for China's high-quality development by technological means, and further push the industry move towards a higher level and broader extent.

JOIN US immediately

Explore the infinite possibilities of optoelectronic technology together with industry leaders to create a new chapter in the industry.

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