

# POST SHOW REPORT

The 24<sup>th</sup> China International Optoelectronic Exposition

September 6 - 8, 2023

Shenzhen World Exhibition & Convention Center



# CIOE 2023 REVIEW

Attendance  
**189,272**

Visitors  
**108,063**

Exhibition Area  
**240,000M<sup>2</sup>**

Exhibitors  
**3,625**

Delegations  
**912**

CIOE 2023 (the 24th China International Optoelectronic Expo) was successfully held from September 6 to 8, 2023 at Shenzhen World Exhibition and Convention Center, presenting the most anticipated technology feast in the industry. The exhibition area reached an unprecedented 240,000 square meters, featured 7 sub-expos under one roof, namely Information and Communication Expo, Infrared Applications Expo, Precision Optics Expo & Camera Expo, Lasers Technology & Intelligent Manufacturing Expo, Intelligent Sensing Expo, Photonics Innovation Expo and Display Technology Expo.

Overseas Visitors  
**3,013**

Targeting at industry hotspots and market trends, CIOE brings together key technologies and products such as optical communication chip, optical communication module, semiconductor material and equipment, lens & camera module, AR/VR, lasers, infrared thermal imaging, intelligent sensor, LiDAR, and display manufacturing equipment. Moreover, CIOE focused on the display of production and processing equipment, such as semiconductor equipment, display manufacturing equipment, laser equipment, automation equipment, and optical processing equipment, attracting visitors from engineering and production department to source at one stop.

This year, with the reopening of the country, global trades are back on track, and a large number of overseas brands are laying out new international tracks through the exhibition. CIOE 2023 gathered international brands from the United States, Canada, Germany, France, Denmark, Sweden, Italy, Poland, Japan, South Korea, Singapore, Malaysia, Switzerland, Israel and other countries to debut their innovative technologies and solutions which give more inspiration to downstream applications of the industry.

## Company Nature

Manufacturer	61.12%
Service Provider	10.01%
Distributor / Trader / Agent	8.64%
Scientific Institutions / Universities	7.23%
Integrator	5.60%
Investment & Financing Institutions	2.54%
Contractor	2.14%
Associations / Societies / Chamber of Commerce / Industry Alliance	1.10%
Government Bodies	0.83%
Media	0.67%
Others	0.12%

## Visiting Purpose

Collecting Information	29.35%
Looking for New Products and Technologies	22.84%
Purchasing	17.72%
Looking for Agents and Other Cooperation Opportunities	11.39%
Maintain / Explore Business Relationship	10.18%
Attending Conferences	6.63%
Preparing for the Participation of CIOE 2024	1.52%
Others	0.37%

## Company Size

<50 people	34.15%
>500 people	24.71%
50 - 100 people	17.87%
100 - 300 people	16.38%
300 - 500 people	6.89%

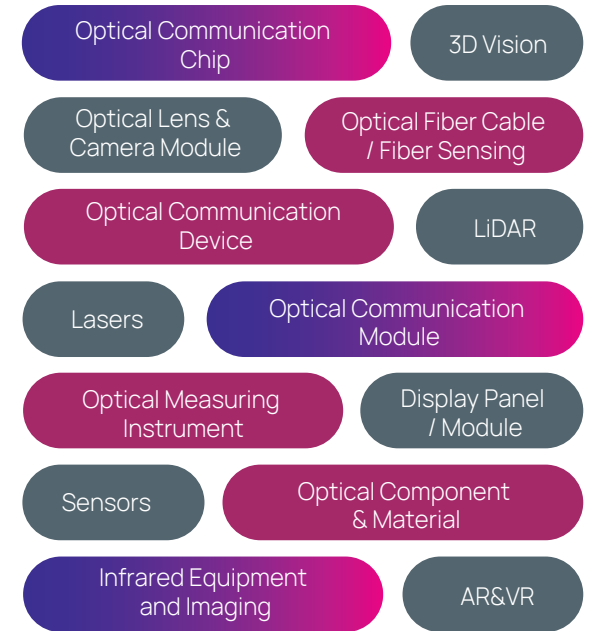
## Purchasing Role

Recommending & Suggesting	53.10%
Decision Maker	26.64%
Not a Part of Purchasing	20.26%

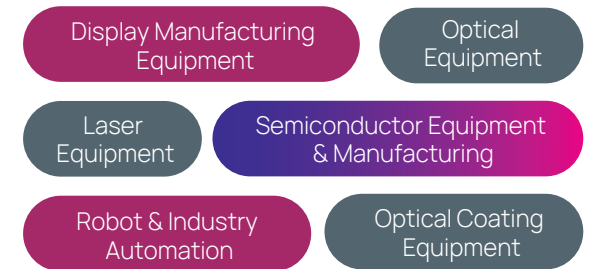
## Job Function

Top Management	25.65%
R&D	23.43%
Purchasing / Supply Chain Management	20.02%
Manufacturing / Processing	16.45%
Sales	5.35%
Marketing	4.21%
Quality Management	3.56%
Others	1.33%

# VISITOR ANALYSIS



## Manufacturing & Processing Equipment



# ANALYSIS ON VISITORS FROM 9 APPLICATION FIELDS



### Optical Communication, Information Processing & Storage

Optical Communication Chip	19.41%
Optical Device	18.87%
Optical Module	16.01%
Optical Fiber / Cable	12.27%
Optical Subassembly	11.05%
Telecom Operator	5.46%
Equipment Provider	5.10%
Data Center Service Provider	3.04%
System Integrator	2.44%
Internet Service Provider	1.82%
Contractor	1.71%
Network Planning, Design and Maintenance	1.70%
Others	1.12%

### Defense / Security

Surveillance Equipment and System	24.00%
Infrared Product	22.01%
Aviation / Aerospace	14.02%
Security System Integrator	11.66%
Access Control Product and System	5.41%
Security Distributor / Agent	4.77%
Fire Fighting / Police	4.21%
Security Contractor	4.10%
Security Inspection	3.70%
Ocean / Shipping	3.36%
Others	2.76%

### Semiconductor Processing / Manufacturing

Semiconductor Manufacturing	27.93%
Semiconductor Equipment	23.84%
Semiconductor Material	20.32%
Fabless	14.71%
PCB	7.90%
Others	5.30%

### Advanced Manufacturing

Optical Component	16.10%
Camera and Module	14.03%
Optical Manufacturing and Processing Equipment	11.71%
Intelligent Equipment	11.18%
Optical Material	10.01%
Industrial Robot	7.69%
Laser Processing Equipment	7.01%
Automotive OEM	6.65%
Industrial Laser	4.30%
Machine Vision	3.63%
Hardware Mold	3.56%
3D Printing	2.63%
Others	1.50%

### Medical

Medical Endoscope	21.86%
Medical Testing Equipment	20.17%
In Vitro Diagnosis Equipment	16.66%
Medical Therapy Equipment	14.68%
Medical Robot	12.11%
Medical Beauty Equipment	8.19%
AI Medical Enterprise	5.19%
Others	1.14%

### Lighting & Displays

Packaging / Lighting	31.21%
Display Material and Component	20.04%
Display Module	16.11%
Display Panel	15.02%
Touch Screen	11.52%
Others	6.10%

### Consumer Electronics & Entertainment

Cell Phone	20.47%
AR/VR	15.15%
Automotive Electronics	12.64%
Household Appliance	11.88%
Service Robot / Drone	9.33%
Intelligent Automotive	8.52%
Tablet PC / Computer / Peripherals	7.31%
Wearable Electronics	5.29%
Intelligent Payment Device	3.87%
Intelligent Cockpit	3.33%
Others	2.21%

### Sensing, Measurement

Intelligent Sensor	48.05%
Testing and Measuring Equipment	35.44%
Sensor Distributor / Agent	7.12%
Internet of Things	6.65%
Others	2.74%

### Energy

Lithium Battery	37.08%
Solar Energy	22.71%
Power Network	15.78%
Petroleum and Petrochemical	11.84%
Coal Industry	6.98%
Others	5.61%

# VISITOR SATISFACTION

97.59%

visitors are satisfied with CIOE 2023



96.69%

visitors are willing to visit CIOE 2024



97.75%

visitors are willing to recommend CIOE to colleagues and industrial peers



## Visiting Company

Enterprises from application fields, research institutes, and universities have organized a large number of professional buyers to visit CIOE.

<b>Optical Communication</b>	China Mobile, China Unicom, China Telecom, CBN, China Tower, Huawei, ZTE, Nokia Bell, Fiberhome, Samsung, Alibaba, Baidu, JD, ByteDance...
<b>Advanced Manufacturing</b>	BYD, Foxconn, Luxshare, Jabil, Gaussian Robotics, VisionNav Robotics, EAvision, TUNGHSU, HAIROBOTICS, PUDU, Inovance...
<b>Consumer Electronics</b>	OPPO, VIVO, Apple, Amazon, Xiaomi, Huawei, Lenovo, Samsung, DJI, META, PICO, APPOTRONICS, Midea, Joyoung, TCL, Skyworth, Ubtech, Panasonic...
<b>Automotive</b>	Xpeng, Li Auto, GAC Group, AutoX, BYD, NIO, eHi, Valeo, Xiaomi Automobile, Desay SV, HSAE, Raythink, ADAYO, ROAD ROVER, DDPA...
<b>Medical</b>	Mindray, SonoScape, Wondfo, LEPU Medical, SEESHEEN, GeneMind, REETO, RWD, LYNMOU, SINORAD, awalife, PHASESCIENTIFIC, EndoFresh, ugung, MOPTIM, Comen...

<b>Defense / Security</b>	MEGVII, uniview, Huawei, HIKVISION, Dahua, RaySharp, Intellifusion, tuya, Shenzhen Airport...
<b>Semiconductor</b>	Hisilicon, SANECHIPS, OmniVision, SONY, SMIC, KONKA, NeuSemi, S-KING, CR MICRO, VITAL, SCC...
<b>Lighting &amp; Displays</b>	TCL, TIANMA, Vitalink, Skyworth, OCEAN'S KING, ELEPN, Aurora...
<b>Energy</b>	State Grid, China Southern Power Grid, China Energy Engineering, CGN, Trinasolar, KINWONG, Schneider, SHANGHAI ELECTRIC, Sabic, China Datang, SUNWONDA, CNPC...
<b>Scientific Institutes / Universities</b>	AIR CAS, Pengcheng Lab, Zhejiang Lab, Qiyuan Lab, BGI, IASF, Southern University of Science and Technology, Shenzhen University, Sun Yat-Sen University, South China Normal University, South China University of Technology, Beijing University of Posts and Telecommunications, Beijing Institute of Technology, Changchun University of Science and Technology, Harbin Institute of Technology, Xi'an Technological University...

\*The above is a partial list of companies in no particular order.

Matchmakings

1,004

Exhibitors

726

VIP Buyers

1,902

## VIP Buyer Program

CIOE VIP Buyer Program is exclusively designed for key buyers and senior decision makers from the optoelectronic industry, who have specific sourcing needs or purchasing plans. CIOE offers this one-to-one customized service to help buyers fast connect with matchable exhibitors according to their sourcing request, and provides meeting room at VIP lounge for private and efficient business negotiation. This service facilitates more precise and efficient procurement connections and is highly recommended by buyers.

### “Optoelectronic +” Automotive Business Matchmaking

The event is jointly organized by OE qiche, inviting buyers from leading Tier 1, 2 and car OEMs such as SOLING, Dongfeng Electric Drive, Valeo, etc., to have face-to-face negotiations with suppliers on site. This greatly improves the efficiency of product sourcing, ensures precise matching, and shortens the procurement cycle. The procurement projects cover smart sensors, lenses and camera modules, LiDAR, millimeter-wave radar, infrared imaging, optical materials, manufacturing and processing equipment, in-car display panels, testing and measurement instruments, etc.

Each visit to CIOE leaves us with renewed respect for its meticulous organization and commitment to the industry. Their strategic approach in handpicking a diverse range of exhibitors ensures that each visit results in valuable industry connections. As a cornerstone event in the optoelectronic domain, CIOE has persistently provided us with avenues to solidify supplier partnerships and stay informed about the industry's dynamic shifts. Watching CIOE's remarkable growth and its transformation into a comprehensive hub for China's optoelectronics industry has been truly commendable.

—Zhe Lin, CTO, MeDeepTech Ventures

As the world's largest one-stop procurement platform covering the entire industry chain, CIOE is an event that cannot be missed in the industry. At the exhibition, I had the opportunity to see a series of core optical products, including laser diodes/detectors/optical components, which gave me a comprehensive view of the industry. I also had the chance to meet outstanding talents in the industry. With the help of CIOE VIP buyer team, I was able to connect with innovative technology companies that caught my interest, such as THORLABS and Edmund. I gained a lot from the experience and sincerely hope that CIOE will continue to thrive. I look forward to attending again next year!

—Ms. Liu, Product Strategic Plan Department, One Car OEM Company

CIOE, which was suspended for a year of COVID returned in 2023. This exhibition we have gained a lot. We met many old friends in the industry, but also know many new friends. The exhibition closely follows the development direction of the industry, and the scale of the exhibition continues to expand. It covers almost the whole industrial chain of optical communication. We see a lot of new products, new equipment, new solutions. Which enriches our supply chain. The VIP service provided by the organizer is particularly thoughtful. Arrange the meeting room in advance, the on-site negotiation is very efficient, improve the work efficiency, we are particularly satisfied!

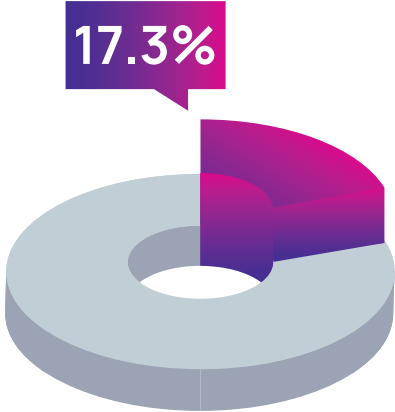
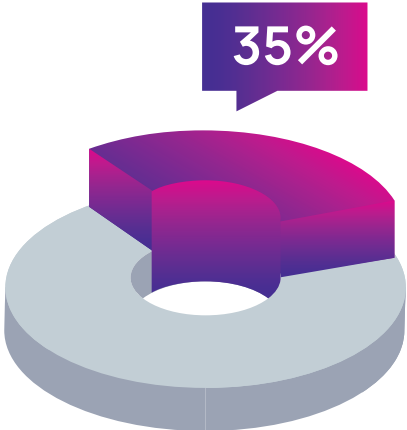
— Aaron Zhu, General Manager, Go!Foton Nanjing Company

Last year, due to the impact of the pandemic, CIOE postponed to 2023 which is first-ever in its 23 years' history. However, this year, despite the challenges, CIOE successfully held this grand event for the optoelectronic industry, evident from the participation of exhibitors, the scale of the exhibition, and the number of visitors. In the future, we also hope to have more communication and cooperation with suppliers in the optical module, AR/VR industry chain through the platform of CIOE.

— Daisy Yuan, Senior Global commodity manager, Amazon

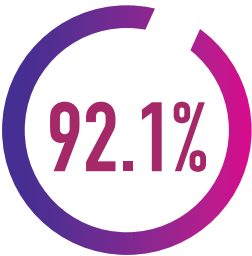
# EXHIBITOR ANALYSIS

**3,625** Exhibitors  
from **30** Countries and Regions

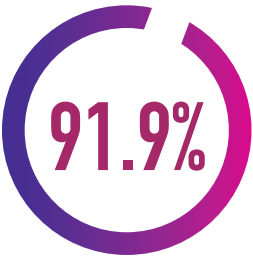


**2,329 Overseas Brands (35%)**  
**6,656 Optoelectronics Brands**

**630 Overseas Exhibitors (17.3%)**  
**3,625 Exhibitors**



exhibitors are willing to participate in CIOE 2024



exhibitors are satisfied with exhibiting experience in CIOE 2023



exhibitors will recommend CIOE to industry peers and partners

## Exhibit Profile



## Areas of Interest for Visitors

Optical Communication Chip	15.10%
Optical Subassembly	13.97%
Optical Communication Device	10.79%
Optical Communication Module	10.20%
Optical Communication Transmission Equipment	7.60%
Optical Communication Data Center Equipment	5.85%
Optical Fiber Material	5.13%
Optical Fiber Cable / Fiber Sensing	5.01%
Semiconductor Equipment and Manufacturing	3.96%
Semiconductor Material	3.75%
Wireless Communication	3.73%
Broadcasting Communication Equipment	3.63%
Instrument	2.84%
Wire and Cable	2.67%
Wiring Product	2.41%
Wire and Cable Manufacturing Equipment	1.69%
Operation and Service	1.47%
Others	0.20%

## Visitors by Applications

Optical Communication, Information Processing & Storage	52.56%
Advanced Manufacturing with Photonics	12.61%
Semiconductor Processing / Manufacturing	11.33%
Consumer Electronics & Entertainment	8.66%
Sensing, Measurement	4.17%
Defense / Security	2.95%
Medical	2.81%
Energy	2.48%
Lighting & Displays	2.44%

Congratulations on the successful hosting of the 24th China International Optoelectronic Exposition (CIOE). We appreciate CIOE for providing a platform for the entire industry. The global optical communication market is on the verge of another takeoff, which presents a tremendous opportunity for Corning. We hope to grow together with Corning's optical communication business by leveraging the Chinese market.

— Richard Lu, APAC Director, Corning

CIOE has become one of the world's top comprehensive events in the optoelectronic industry. Coherent's comprehensive range of advanced optoelectronics and laser products and solutions align perfectly with the exhibition theme of CIOE. As a long-term partner of the exhibition, we hope that CIOE will continue to grow and make greater contributions to industry development, technological innovation, and cooperation. We sincerely wish CIOE a more fruitful and successful future.

— Frank Fu, CCO, Coherent



### Areas of Interest for Visitors

Optical Lens	10.43%
Camera Module	9.77%
Optical Cold Processing Component	8.06%
Optical Material	7.36%
Optical Processing Equipment	5.99%
Optical Measuring Instrument	5.79%
Optical Coating Material	5.43%
Optical Imaging System	5.37%
AR/VR	5.30%
Machine Vision and Industrial Automation	4.87%
Optical Coating Equipment	4.73%
Mould Pressing / Injection Molded Optical Component	4.56%
Optical Film Component	4.47%
Camera	4.45%
Camera Manufacturing Equipment	4.13%
Sapphire Processing Application	4.03%
Endoscope and Accessories	2.87%
Camera Accessories	2.24%
Others	0.15%

We would like to express our gratitude to CIOE for providing valuable opportunities to promote exchange and innovation in the field of optics. We look forward to sharing our latest optical technologies and solutions and discussing future optical development trends with industry partners at this grand exhibition. CIOE has witnessed the growth of Leading Optics, and we hope to work together with CIOE for even greater success. Let's walk together with light and create a brighter future!

— Zhang Zhe, CEO, Leading Optics (Shanghai)

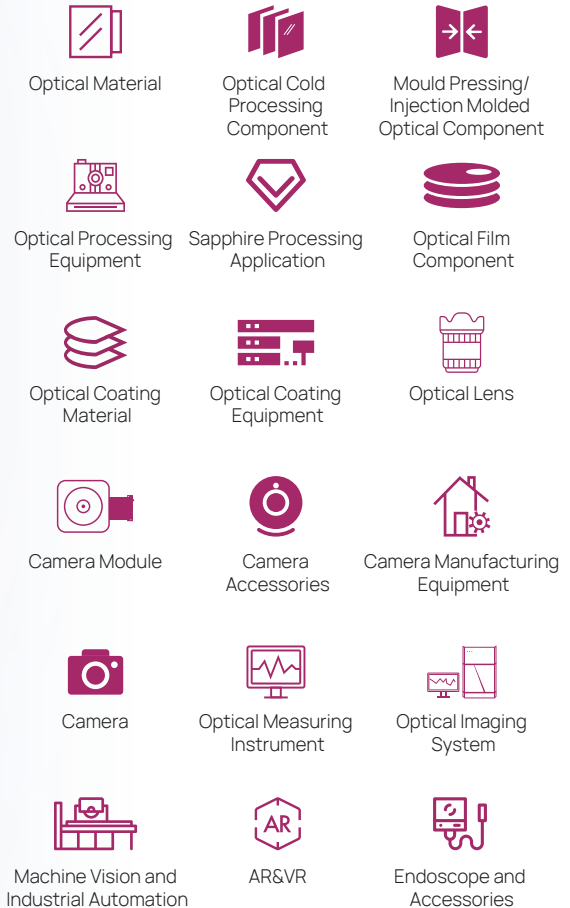
This year, CIOE has attracted a large number of visitors, and it is known as one of the world's largest optoelectronic exhibitions. On behalf of AAC Optics, I would like to thank the organizers for providing us with a platform for technical exchanges and displays. We also believe that optical lenses will have a broader application in the future, especially in emerging industries such as AR/VR, automotive, industrial, medical, and robotics. AAC Optics will increase its investment in research and development and hopes to regularly bring new products, ideas, and experiences to customers and the industry through this platform. Finally, thanks again to the organizers, and wish the exhibition continued success.

— Shaun Chen, CEO, AAC Optics

### Visitors by Applications

Advanced Manufacturing with Photonics	27.72%
Consumer Electronics & Entertainment	26.17%
Optical Communication, Information Processing & Storage	13.18%
Semiconductor Processing / Manufacturing	11.05%
Defense / Security	7.29%
Medical	6.57%
Sensing, Measurement	3.52%
Lighting & Displays	2.29%
Energy	2.21%

### Exhibit Profile



- Optical Material
- Optical Cold Processing Component
- Mould Pressing/ Injection Molded Optical Component
- Optical Processing Equipment
- Sapphire Processing Application
- Optical Film Component
- Optical Coating Material
- Optical Coating Equipment
- Optical Lens
- Camera Module
- Camera Accessories
- Camera Manufacturing Equipment
- Camera
- Optical Measuring Instrument
- Optical Imaging System
- Machine Vision and Industrial Automation
- AR&VR
- Endoscope and Accessories

## Exhibit Profile



Laser Material  
and Component



Lasers



Laser Component  
and Auxiliary System



Laser Equipment



Mechanical System and  
Numerical Control System



3D Printing /  
Additive Manufacturing



3C Electronic  
Intelligent Equipment



Robot and  
Industrial Automation

## Areas of Interest for Visitors

Lasers	20.50%
Laser Equipment	18.88%
Laser Material and Component	16.32%
Robot and Industrial Automation	15.35%
Laser Component and Auxiliary System	10.65%
Mechanical System and Numerical Control System	8.32%
3C Electronic Intelligent Equipment	6.34%
3D Printing / Additive Manufacturing	3.26%
Others	0.38%

## Visitors by Applications

Advanced Manufacturing with Photonics	26.36%
Optical Communication, Information Processing & Storage	23.47%
Semiconductor Processing / Manufacturing	13.43%
Consumer Electronics & Entertainment	12.51%
Sensing, Measurement	6.73%
Medical	5.59%
Defense / Security	4.30%
Lighting & Displays	4.27%
Energy	3.35%

CIOE covers a wide range of product categories and is currently the world's largest optoelectronic exhibition. We look forward to CIOE becoming more globally influential and more open!

— Min Dayong, Chairman, General Manager, Everbright

CIOE has been held for 24 consecutive sessions and has become one of the most influential optoelectronic exhibitions, providing a platform to industry peers for interaction and communication. Numerous optoelectronic companies gather here for discussions and exchanges on various new products, technologies, trends, and applications, driving the high-quality development of the optoelectronic industry. We will continue to work with CIOE, promote in-depth exchanges and cooperation within the industry, and advance the development and prosperity of the optoelectronic industry.

— Zhu Jing, Marketing Director, BWT

Exhibit Profile



Infrared Material



Infrared Component



Infrared Equipment and Imaging



Testing and Manufacturing Equipment



UV Technology and Application



Millimeter-Wave Technology and Application

CIOE has played an important role in promoting the exchange and cooperation of optoelectronic technologies in China. We hope that more new optoelectronic products and technologies can be showcased through CIOE, further promoting the healthy development of the optoelectronic industry. We wish CIOE continued success!

— Yang Zhiqiang, President, PixFra

We are very grateful to CIOE for providing our optoelectronic company with such a high-level platform for industry exchanges. This exhibition has attracted a large number of high-level professional visitors. Through CIOE, we have learned about the new products, technologies, and developments in our industry, and it has demonstrated its advantages as an international and authoritative platform. Senba Sensing sincerely wishes CIOE continued success and hopes to help more optoelectronic companies communicate, create more national brands, and expand our customer channels with the advantage of this platform.

— Deng Qin, Sales VP, Senba Sensing

Areas of Interest for Visitors

Infrared Equipment and Imaging	21.74%
Infrared Component	19.09%
Infrared Material	18.14%
Testing and Manufacturing Equipment	15.47%
Millimeter-Wave Technology and Application	10.81%
UV Technology and Application	7.22%
Terahertz Monitoring and Imaging	7.09%
Others	0.44%

Visitors by Applications

Defense / Security	24.65%
Consumer Electronics & Entertainment	19.05%
Advanced Manufacturing with Photonics	17.23%
Semiconductor Processing / Manufacturing	12.33%
Energy	8.23%
Optical Communication, Information Processing & Storage	6.01%
Sensing, Measurement	5.87%
Medical	3.74%
Lighting & Displays	2.89%

**Exhibit Profile**



LiDAR



LiDAR Component



Millimeter-Wave Radar



3D Imaging and Sensing



3D Camera



Biometric



MEMS and Sensor



LiDAR System and Solution



Industrial Sensor

CIOE is the most influential optical event in the LiDAR industry, catering to both upstream and downstream sectors. This year's CIOE brought together our R&D, supply chain, product, and business teams, each with their respective needs. We also showcased our new product models and the latest information. The entire process went smoothly, allowing us to quickly grasp the latest technological developments in the industry and effectively promote our brand and products. We would like to express our gratitude to the organizers for their full support and thoughtful care, and we look forward to join at CIOE 2024.

— Wang Yuqing, CMO, Tanway

**Areas of Interest for Visitors**

LiDAR	13.91%
3D Imaging and Sensing	11.81%
Industrial Sensor	10.69%
3D Camera	10.57%
MEMS and Sensor	10.05%
Testing and Manufacturing Equipment	9.58%
LiDAR Component	9.41%
LiDAR System and Solution	8.46%
Biometric	7.83%
Millimeter-Wave Radar	7.29%
Others	0.40%

**Visitors by Applications**

Consumer Electronics & Entertainment	20.81%
Advanced Manufacturing with Photonics	17.21%
Sensing, Measurement	16.02%
Optical Communication, Information Processing & Storage	13.50%
Semiconductor Processing / Manufacturing	13.48%
Medical	5.60%
Defense / Security	5.26%
Lighting & Displays	4.25%
Energy	3.85%

Knowles has participated in CIOE for the first time, and we are very impressed. The organization of the show is very orderly and professional, which made us, as first-time exhibitors, feel very at ease. Moreover, the brand influence of the show attracted many peers and customers to participate. We encountered many of our existing and potential customers, making this exhibition quite rewarding for us. We look forward to more professional collaborations with CIOE in the future, expanding our customer channels and promoting our specialized products to more potential customers in the industry.

— Jessica Xu, Marcom, Knowles

## Exhibit Profile

We appreciate the CIOE for providing a great platform for exhibition and communication for professionals in the optoelectronics industry. Technological innovation is a crucial path for high-quality development in our country. We hope that in the future editions of CIOE, we will see more products featuring core optoelectronic devices with independent intellectual property rights. We hope that the expo continues to thrive and make even greater contributions to the development of the optoelectronics industry in China.

— Liu Yong, Deputy Director, AIOFM

Xi'an Technological University's participation in CIOE allows the university to be closer to practical production, understand the demands of engineering practice for innovation, and gain insights into the new challenges and requirements in talent cultivation, technological innovation, and technology services. CIOE provides us with opportunities to showcase our scientific research and talent development, enabling our talents and achievements to better serve the industry and drive innovative development.

We hope that CIOE continues to thrive and achieve even greater success!

— Liu Weiguo, Secretary of the Party Committee, Xi'an Technological University



Scientific Research  
Institution



College and  
University



Incubator



Professional Proficient  
Special New Enterprise



High-tech  
Enterprise

## Areas of Interest for Visitors

Scientific Research Institution	28.19%
High-tech Enterprise	21.86%
Professional Proficient Special New Enterprise	21.20%
College and University	15.33%
Incubator	12.54%
Others	0.88%

## Visitors by Applications

Optical Communication, Information Processing & Storage	27.55%
Semiconductor Processing / Manufacturing	16.36%
Advanced Manufacturing with Photonics	15.72%
Consumer Electronics & Entertainment	11.21%
Lighting & Displays	7.70%
Medical	6.84%
Sensing, Measurement	6.66%
Defense / Security	4.01%
Energy	3.96%

## Exhibit Profile



Display Manufacturing  
Equipment



Display Material



Display Panel/Module



Terminal Display  
Product

## Areas of Interest for Visitors

Display Manufacturing Equipment	27.49%
Display Panel / Module	27.15%
Display Material	23.80%
Terminal Display Product	20.32%
Others	1.24%

## Visitors by Applications

Semiconductor Processing / Manufacturing	22.29%
Lighting & Displays	19.56%
Advanced Manufacturing with Photonics	16.23%
Consumer Electronics & Entertainment	14.55%
Optical Communication, Information Processing & Storage	8.65%
Medical	7.09%
Sensing, Measurement	4.22%
Security / Defense	4.19%
Energy	3.22%

CIOE has always been a benchmark in the optoelectronics field and the most highly anticipated industry event among professionals. It gathers the most cutting-edge technologies and complete industrial chains, creating a high-quality communication platform for collaboration between industry stakeholders.

As an exhibitor at the inaugural "Display Technology Expo," Raysolve wishes CIOE continued success and hopes that it brings more vitality to the new display industry.

—Zhuang Yongzhang, CEO, Raysolve

As a comprehensive exhibition that thrives in the optoelectronics industry, CIOE serves as a crucial platform for upstream and downstream companies in fields such as lasers and emerging displays. It provides them with opportunities to exchange cutting-edge technologies, showcase the latest products, and explore target markets. CIOE bears witness to and promotes the vibrant development of the industry.

In the future, Maxwell will continue to collaborate with industry partners, hand in hand, to propel the new display industry towards a more prosperous future. With our independently developed MLED integrated solutions, we are committed to contributing to the growth and success of the optoelectronics industry.

—Wang Jianmin, General Manager, Maxwell



## Concurrent Conferences:

The concurrent China International Optoelectronic Conference (CIOEC) held more than 80 theme forums, focusing on academic, industrial and application insights into the forefront technologies, research progress, and new applications for information and communication, optics, laser, infrared, and various emerging applications. A series of "Optoelectronic +" application forums present new products, new technologies, and emerging trends on optoelectronics to the professional audience in the application fields.

In addition, international optoelectronics academic conferences were held in collaboration with well-known domestic and foreign universities and research institutions, integrating researches in various fields of optoelectronics, bridging the gap between academia and industry, and connecting the world and China in the field of optoelectronics.



# Industry Experts Gathered to Discuss the Industry Development of Optoelectronics



**Romain Fraux**

CEO, Yole SystemPlus



**Zine Bouhamri**

Team Lead Analyst,  
Yole Intelligence



**Axel Clouet**

Technology & Market Analyst,  
Yole Intelligence



**Alex Ju**

Product Line Manager,  
LUMENTUM



**Rami ZAKARIA**

Director of Sales and Marketing,  
IceMOS Technology



**Francois Couny**

Senior Product Line Manager,  
EXFO



**Yannick Paillard**

Chief Commercial Officer,  
SCINTIL Photonics



**Sami Musa**

CEO, Chilas B.V



# Optoelectronic + Application Forums

3,500+ Attendees

Focusing on the development of optoelectronic technologies in every application field, CIOE organized a series of forums with media partners and associations to discuss the applications and solutions of optoelectronic technologies in emerging fields.

## Optoelectronic+ Automotive/Consumer Electronics

- Display Forum 2023 - Advanced Commercialization of Automotive and Consumer Electronics Application Scenarios
- Full Application Scenarios, New Business Opportunities - SmartHome's Development Trends Forum
- The 5th Intelligent Vehicles Technology Summit

## Optoelectronic+ Vision

- The 34th MEMS Seminar: 3D Vision Technology and Application
- Emerging Applications and Challenges of Artificial Intelligence in Machine Vision
- AI Security and Vision Technology Innovation Development Forum

## Optoelectronic+ Intelligent Manufacturing

- AI Vision Empower the Intelligent Warehousing Application Forum
- The 3rd Application of Machine Vision in Industrial Robots
- AI Intelligent Manufacturing and Industrial Automation Application Forum
- Emerging Technologies for Industrial Metaverse

## More Applications

- 2023 HangJia Talk· UV LED Technology and Industrial Application Seminar & The HangJia Aurora Award ceremony
- 2023 Optoelectronics Industry Application Conference and Industry-University-Research-Funding Matchmaking Activities
- Smart Display Technology Leads a Bright Future Forum



## Information and Communication Forums

2,200+

Attendees

- Computing Power Networking and Optical Technology Development Forum
- Gigabit Optical Access Broadband Development Forum
- Data Center Optical Interconnection Evolution Trends Forum
- Optoelectronic Chip Design, Manufacturing and Packaging Technology Forum
- Opportunities and Challenges for Optical Connectivity in Cloud Data Centers
- APCA Summit Green Data Center innovation Forum 2023
- Optoelectronic Technology and Industry Standards in the Cloud Era Summit
- Wireless Communication Technology and Innovative Industry Development Seminar 2023
- Integrated Circuit Measurement Technology and Instrument Forum

## Optics Forums

1,700+

Attendees

- Emerging Optical Imaging Technologies and Applications Forum
- Vehicle Camera Imaging Technology Summit
- Ultra-precision and Micro-Nano Optical Device Manufacturing Technology Forum
- Micro Spectral Imaging Technology and Applications Forum
- Medical Endoscope Industry Development Forum
- CIOE Optics Vacuum Coating Forum
- The Second Forum on Automotive Camera Frontier Technology and Test Method
- The 4th China AR Technology Forum
- The 4th AR/VR Optical Application Forum





# Laser Forums

1,100+  
Attendees

- Semiconductor Laser Technology Innovation and Application Forum
- The 17th International Laser Processing and Systems Conference (LPC 2023)
- Laser Technology Enabling Automotive Intelligent Manufacturing Forum
- Optics/Laser Medical Technology Forum
- Optoelectronic Power Medical Cosmetology Technology and Market Development Forum
- Laser Technology Enabling New Energy Lithium Battery Manufacturing Forum
- Laser Micro-nano Processing and Manufacturing Forum

# Infrared Forums

600+  
Attendees

- Infrared Materials and Devices Technology Innovation and Development Forum
- Application and Development of Infrared Technology in Power System Forum
- Infrared Technology and Visual Technology in Industrial Application Forum
- Terahertz Technology Trend and Application Forum

# Optoelectronics Global Conference (OGC 2023)

Optoelectronics Global Conference (OGC), annually held at CIOE, in collaboration with world-class universities and scientific research institutions, is well-known as the first global optoelectronics academic conference in Asia and directly affiliated with IEEE.

## OGC 2023 covers 10 topics:

- S1. Laser Technology
- S2. Optical Communication and Networks
- S3. Near-infrared, Mid-infrared and Far-infrared Technologies and Applications
- S4. Quantum Optics and Information
- S5. Fiber-Based Technologies and Applications
- S6. Optoelectronic Devices and Applications
- S7. Biophotonics and Optical Biomedicine
- S8. Data Center Optical Interconnects and Networks
- S9. Silicon Photonics
- S10. Computational Imaging

**500+**  
Attendees



**500+**  
Attendees

## International Forums

Forums co-organized by the international authoritative consultation organization Yole Group and CIOE:

- CIOE & YOLE Imaging & LiDAR for Automotive Forum 2023
- CIOE & YOLE Optical Transceivers & Silicon Photonics Forum 2023
- CIOE & YOLE 3D Sensing for Consumer Forum 2023

**Conferences jointly organized with international institutions such as ePIXfab, and EPIC:**

- ePIXfab's China-Europe Forum at CIOE 2023
- EPIC TechWatch at CIOE on Optical Components, Materials and Innovative Applications

# CIOE Optoelectronic Forums on Non-show Days

CIOE holds a series of optoelectronic industry and application forums throughout the year online and offline. It will bring more new cooperation opportunities to enterprises by developing the optoelectronic industry ecosystem and focusing on the new technology and market trends.



## Information and Communication Forums:

- The 3rd Optical Communications High-Quality Development Forum—Data Center Optical Interconnect Technology Seminar
- Silicon Photonics Technology Seminar
- Gigabit Optical Network and Smart Home Technology Seminar
- All-optical Computing Power Network Technology Seminar
- Intelligent Optical Network Technology Seminar
- Optical Chip and High-end Component Technology Seminar
- Asia Pacific Cloud Summit-Green Data Center Innovation Forum

## Laser Forums:

- Consumer Electronics Industry Intelligentization Forum
- Application of Red Semiconductor Lasers in Photodynamic Therapy
- Optoelectronics Empowered Medical Beauty Technology and Market Development Forum
- How to Make Ultrafast Lasers More Useful
- Outlooks for the Application of High-Brightness Quasi-single-mode 6KW Fiber Lasers

## Infrared Forums:

- Seminar on Infrared Thermal Imaging Technology Application in Energy
- Infrared Materials and Component Technology Innovation and Development Forum

## Sensing Forums:

- Robot Industry Seminar—Visual Technology Development and Application

## Optics Forums:

- 2023 China (Chengdu) International Precision Optics Technology and Application Conference
- The 3rd China AR Technology Application Summit Forum
- Application of Machine Vision and AI in Semiconductor Inspection
- AR/VR Optical Application Forum
- Optical Waveguide AR Glasses Design Solution
- Application of ZEISS Spectrometer Modules in Chromatography Technology



## Valuable Services

CIOE provides year-round valuable services to maximize the ROI of exhibiting, and the main services will include:

### 01 Big Data Precision Marketing Service

CIOE has a million database, which has been divided into 9 applications segments including optical communication, advanced manufacturing, consumer electronics, security, semiconductor, energy, medical, sensing, and lightning & display. With omni-channel promotions at CIOE, companies are able to promote their brands or products more precisely.

Promotion channels not limited to:

- Official Website
- E-newsletter
- Social Media
- Visitor Guide for Different Applications
- Exhibitor Invitation Letter

### 02 Omni-channel Brand Promotion Services

CIOE cooperates with industry media, mass media, self-media, and news release platforms for effective brand exposure in terms of onsite Ad, sponsorship, magazine, etc.

- Media Partners: 160+
- Cover 70+ countries and regions





## 03 Premium Business Matching Services

CIOE provides buyers with customized one-to-one service by collecting their sourcing request and recommending matchable exhibitors. During the show, CIOE offers free meeting rooms and exhibitor/product searching, which facilitates more precise and efficient business matching. Meanwhile, CIOE can also search and recommend buyers that match to exhibitor's project requirements through the database, online platforms, etc.

## 04 Year-round Online and Offline Conferences and Events

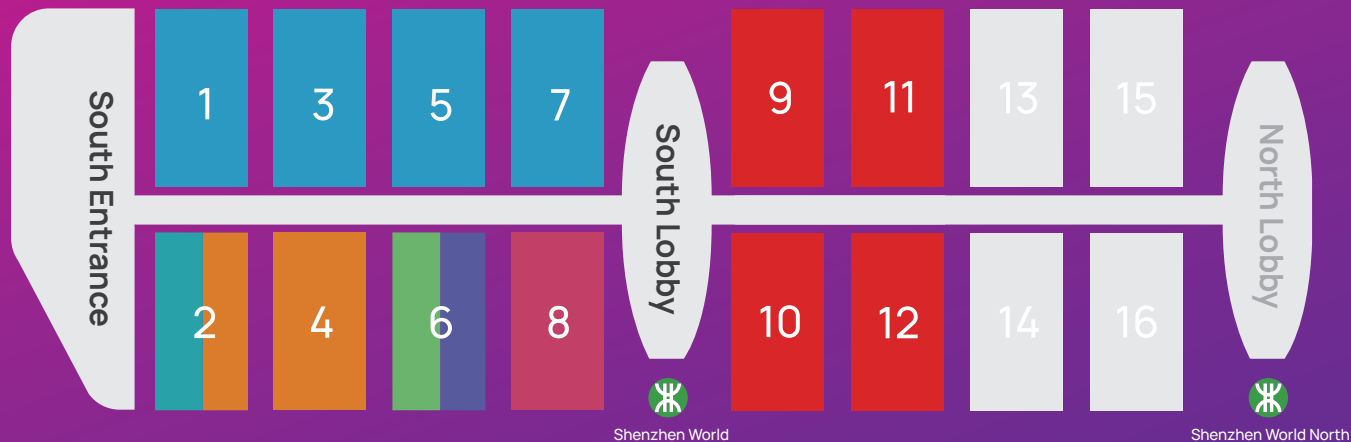
In addition to concurrent forums during the show, CIOE explores the development trends in different industries on non-show days, establishes an industrial development ecosystem through webinars, salons, seminars and so on, and deepens the industry exchange, which provides valuable opportunities on obtaining the latest industry information, networking with peers, as well as sourcing new products and collecting sales leads.

# CIOE 2024

September 11-13, 2024

Shenzhen World Exhibition & Convention Center

## Floor Plan



INFORMATION AND COMMUNICATION EXPO



PRECISION OPTICS EXPO & CAMERA EXPO



LASERS TECHNOLOGY & INTELLIGENT MANUFACTURING EXPO



INTELLIGENT SENSING EXPO



INFRARED APPLICATIONS EXPO



PHOTONICS INNOVATION EXPO



DISPLAY TECHNOLOGY EXPO

Exhibition Area: **240,000 M<sup>2</sup>** | Visitors: **120,000+** | Exhibitors: **3,700+**

## Contact Us

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