

**APE** | Asia  
Photonics  
Expo

# POST SHOW REPORT

**CONNECTING PHOTONICS OPPORTUNITIES  
& INNOVATION IN ASIA**

**26 - 28 FEBRUARY 2025**

Sands Expo and Convention Centre (Marian Bay Sands) L1, Singapore

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# APE 2025 Review

The Asia Photonics Expo (APE 2025) successfully concluded on 28 February. As the premier event for the photonics industry in Asia, APE 2025 attracted 5,149 professional visitors from 45 countries and regions over three days. The event showcased 344 leading global exhibitors, presenting a comprehensive range of innovations across the entire photonics value chain. Highlights included advancements in information and communication, optics, laser technologies, infrared, sensing, quantum, displays, and more – spanning materials, chips, components, manufacturing equipment, and test & measurement solutions.

APE 2025 served as a vital gateway to the Asian photonics market, offering global industry professionals a platform to explore the latest developments and gain valuable insights into emerging trends. Complementing the exhibition, 9 forums focusing on the photonics industry - including key advancements and applications were held. The rapid development of photonics technology, particularly the growth potential in Asia, has laid a solid foundation for collaboration and continued progress across the global photonics industry. As a crucial hub for the Asian photonics market, APE remains committed to fostering a dynamic, one-stop communication platform that drives the industry toward new heights of innovation and progress.



**15,000 m<sup>2</sup>**

Exhibition Area

**344**

Exhibitors

**48**

Delegations

**5,149**

Visitors

**45**

Countries and Regions

**9**

Forums

## Highlights:

**01**

### Premier Photonics Event in Asia

Showcasing innovations in optical communication chips, devices, modules, optical fiber cables, instrument, semiconductor equipment, optical lenses, optical modules, lasers, laser processing equipment and test and measurement equipment.

**02**

### Diverse National Pavilions & Tech Zones

The event showcased national & group pavilions from 15 countries and regions, including Singapore, Europe, Germany, Japan, Korea, Malaysia, and more. Additionally, specialised technology zones highlighted cutting-edge advancements in quantum technology, intelligent sensing, and vacuum coating.

**03**

### Concurrent Activities Empower Industry Communication & Cooperation

Activities during the show include Gala Dinner, Happy Hour, Onsite Matchmaking, Site Tour, etc., are specially designed to help industry decision-makers connect and collaborate with targeted partners.

**04**

### In-depth Industry Technology Discussion

9 forums covered industry hot topics and emerging applications. Industry forums included Quantum Singapore, Photonics@5G, Asia Semiconductor, EPIC Tech Watch, Europe Meets Asia, Advanced Photonics and Flat Optics. Application forums focused on Electric Vehicle, Machine Vision and Robotics, and Semiconductor Manufacturing.

## National Pavilions and Technology Zones

**National Pavilion:** Singapore, Europe, Germany, Japan, Korea, Malaysia, China, etc.

**Technology Zones:** Quantum Technology, Intelligent Sensing, Vacuum Coating, etc.

# Visitor Analysis

## Breakdown by Industry

Optical Communication, Information Processing & Storage	24.9%
Semiconductor Processing / Manufacturing	21.4%
Advanced Manufacturing	15.5%
University/ Research Institutes	10.7%
Sensing, Measurement	8.4%
Consumer Electronics & Entertainment	6.3%
Medical	4.5%
Energy	3.0%
Surveillance / Security	2.9%
Lighting & Displays	2.2%

## Breakdown by Job Function

Top Management	26.9%
R&D	24.3%
Manufacturing / Processing	12.7%
Purchasing / Supply Chain Management	12.1%
Sales	9.1%
Marketing	6.6%
Quality Management	6.1%
Others	2.2%

## Breakdown by Company Size

< 50 people	39.4%
> 500 people	29.3%
50 - 100 people	14.6%
100 - 300 people	12.0%
300 - 500 people	4.7%

## Breakdown by Company Type

Manufacturer	48.6%
Distributor / Trader / Agent	14.2%
Service Provider	12.5%
Scientific Institutions / Universities	8.0%
Integrator	5.9%
Government Bodies	2.8%
Investment & Financing Institutions	2.7%
Contractor	2.2%
Media	1.3%
Associations / Societies / Chamber of Commerce / Industry Alliance	1.0%
Others	0.8%

## Purpose of Visiting APE

Looking for New Products and Technologies	27.6%
Collecting Information	26.8%
Maintain / Explore Business Relationship	14.5%
Looking for Agents and other Cooperation Opportunities	12.3%
Purchasing	11.6%
Attending Conferences	4.2%
Preparing for the Participation of APE 2026	2.4%
Others	0.6%

## Breakdown by Purchasing Role

Influencer / Recommender	47.7%
Decision Maker	30.4%
Not Involved in Purchasing	21.9%

## Top 10 Visitor Countries



Singapore



Korea



China  
(incl. HMT regions)



Indonesia



Malaysia



Germany



India



United States



Japan



Thailand

# Key Visiting Companies

A*STAR	CIENA	JABIL CIRCUIT SINGAPORE	OHARA
AAC TECHNOLOGIES	COHERENT	KAIST	OPTOSIGMA
ADVANCED MICRO FOUNDRY	CORNING	KIOM	PANASONIC
AEROTECH AUTOMATION	DCH AURIGA	KRISS	PENTAMASTER
ALLIED VISION	DELTA ELECTRONICS	LEGO	PLASMA-THERM
AMAZON LAB126	DYSON	LEICA	QUANTEL
AMD SINGAPORE	EXCELITAS	LENOVO	RAITH ASIA
AMS OSRAM	FICONTEC	LGE	RESMED
ANRITSU	FRAUNHOFER EMI	LITE-ON	SABIC HPP
APPLE	FUJIKURA FIBER OPTICS	MACNIA	SAMSUNG
APPLIED MATERIALS	GASTRON	MARVELL	SANTEC
ASELSAN	HELLMA	MATTSON TECHNOLOGY	SCHOTT
AUO	HENSOLDT	MEIBAN	SERVO DYNAMICS
AVNET	HIOKI	MENARINI APAC	SICK
BAUMER	HITACHI HIGH-TECH	META	SMC
BIOTRONIK	HOYA	MICRON	SOITEC
BITSILICA	HP	MIPOX ASIA	SONY
BOSTON SCIENTIFIC	HUAWEI	MITSUBISHI ELECTRIC	STMICROELCTRONICS
BROADCOM	IBM	MOLEX	SUTD
BYTEDANCE	II-VI	NCS	TE CONNECTIVITY
CALIBER INTERCONNECT SOLUTIONS	ILLUMINA	NEC APAC	TESLA
CANON	IMRE	NOVO NORDISK	THERMO FISHER SCIENTIFIC
CATSA	INFINEON	NTT AT	VISCOM MACHINE VISION
CCS ASIA	INTEL	NTU	WINTech NANO-TECHNOLOGY SERVICE
CHINA TELECOM	IPG PHOTONICS	NUS	YAMAICHI ELECTRONICS

\* List in alphabetical order.

# Exhibitor Analysis



344

exhibitors from 16  
countries and regions



15

national & group pavilions



85.1%

will recommend APE to  
industry peers and partners



75.5%

were satisfied with this  
year's event



75.2%

rated APE as an important  
platform for their business



72.3%

will exhibit in APE 2026



Looking back to APE 2025, I see a good development of the exhibition. APE is on the way to become a photonics show for all Asia. For the future I would like to see more exhibitors and visitors from other Asian countries but also from the further Asia-Pacific regions. Comparing APE 2024 with 2025, I see that the organisers are doing a great job to make this happen. I was pleased seeing more pavilions and delegations from these regions and believe that Singapore is the right place for this approach.

**- Georg Draude, PhD, General Manager, Chroma Technology GmbH**



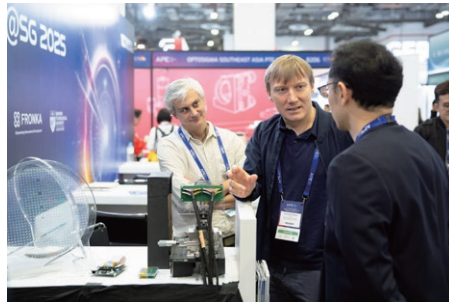
We are very positive about the exhibition and conference. We are preparing to come back in 2026.

**-- Dr. Wenko Süptitz, Head of Photonics Division, Spectaris**



We have exhibited last year, this year we have more participation, more crowd in this year. We are hopeful we can grow together with the industry as a whole.

**-- Keigo Tang, Vice President, Opto Precision Pte Ltd**



# Exhibit Profile

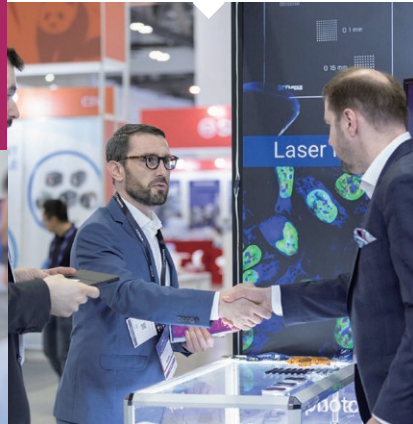
## Optical Communication

- Optical Communication Chip
- Optical Communication Device
- Optical Communication Module
- Optical Communication Transmission Equipment
- Optical Fiber Materials
- Optical Fiber Cable / Fiber Sensing
- Semiconductor Materials
- Semiconductor Equipment & Manufacturing



## Laser

- Lasers
- Laser Material & Component
- Laser Component
- Laser Equipment



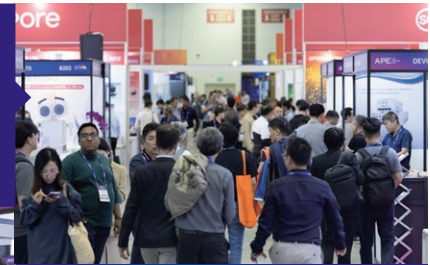
## Optics

- Optical Material & Component
- Optical Processing Equipment
- Optical Coating Material & Equipment
- Optical Lens & Camera Module
- Optical Measuring Instrument
- Machine Vision & Industrial Automation
- AR / VR



## Infrared

- Infrared Material
- Infrared Component
- Infrared Equipment & Imaging



## Display

- Display Material
- Display Panel / Module
- Display Manufacturing Equipment

## Sensing

- Industrial Sensor
- 3D Imaging & Sensing
- MEMS & Sensor
- LiDAR & Component

## Quantum

- Quantum Computing
- Quantum Communication and Security
- Quantum Precision Measurement
- Core Upstream Components



# Top 20 Product Interests of Attendees

## System and Equipment

- Optical Communication Transmission Equipment
- Semiconductor Equipment and Manufacturing
- Lasers
- Laser Equipment
- Optical Imaging System
- Optical Processing Equipment
- Machine Vision and Industrial Automation
- LiDAR
- Testing and Manufacturing Equipment
- Infrared Equipment and Imaging

## Material, Module and Device

- Optical Communication Chip
- Optical Communication Device
- Optical Communication Module
- Optical Fiber Cable / Fiber Sensing
- Semiconductor Material
- Optical Lens
- Optical Material
- Optical Coating Material
- Laser Material and Component
- Industrial Sensor

\* List in no particular order.

**80.1%**

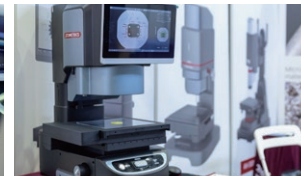
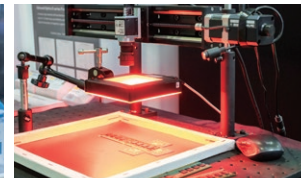
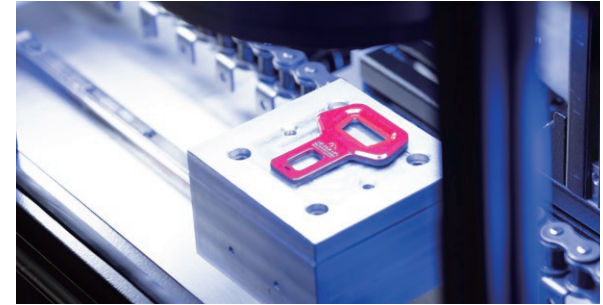
were satisfied  
with APE 2025

**80.7%**

will attend this  
event in 2026

**81.5%**

will recommend  
APE to colleagues



# Networking with Asia Photonics Industry

## Gala Dinner

The APE 2025 Gala Dinner, held at Singapore's iconic CÉ LA VI, brought together 140+ global industry players, including association leaders, chamber representatives, university and institute professors, and corporate executives from Singapore, Malaysia, Thailand, the United States, Germany, Hong Kong, China, and other countries/regions.

Guests enjoyed gourmet dining, live entertainment, and networking against the backdrop of Singapore's skyline, fostering collaboration in a sophisticated yet relaxed atmosphere. The venue's refined ambiance elevated the celebration of industry achievements while paving the way for future innovations and partnerships.



## Attending Companies and Organisations:

- Agency for Science, Technology and Research (A\*STAR)
- Advanced Micro Foundry
- Association of Electronic Industries in Singapore (AEIS)
- Amazon
- ams OSRAM
- Applied Materials
- Archer OpTx
- Dyson
- Economic Development Board (EDB)
- Intel
- LUX Photonics Consortium
- Malaysian Federation of Manufacturers of Machinery and Engineering Industries (MEIF)
- National Semiconductor Translation and Innovation Centre (NSTIC)
- Nanyang Technological University (NTU)
- National University of Singapore (NUS)
- Optics and Photonics Society of Singapore (OPSS)
- Photonteck
- Raytron
- Singapore Institute of Technology
- Singapore Manufacturing Federation (SMF)
- Singapore Precision Engineering & Technology Association (SPETA)
- Semiconductor Industry Association (SSIA)
- Strong Laser
- US Conec

\* List in alphabetical order.

# Happy Hour

Over 120 exhibitors, visitors, and buyers from various industries gathered in the VIP lounge to participate in exclusive on-site activities. The lively and relaxed atmosphere fostered dynamic interactions, with exhibitors and attendees engaging in vibrant discussions that filled the space with energy and laughter, adding a lively flair to the event.

## Business Matchmaking

During the show, over 35 buyer matchmaking sessions enabled efficient and targeted connections between buyers and sellers, significantly increasing the potential for successful partnerships. The event drew a strong participation from buyers, enhancing the efficiency of visits and procurement while effectively establishing a robust communication bridge between industry buyers and suppliers.



### Key Buyer Companies:

- Airboard
- Broadcom
- Coherent
- Corning
- Excelitas
- Focuslight
- Fusion Safety Management
- Moveon
- National Semiconductor Transformation and Innovation Center (NSTIC)
- National University of Singapore (NUS)
- Pepperl-Fuchs
- SICK
- Singapore University of Technology and Design (SUTD)
- TOKIMEKU

\* List in alphabetical order.



# Site Tour

The exclusive site visit allowed participants to explore state-of-the-art labs and leading companies in Singapore. Over the course of the two-day site tour, more than 60 professionals from global companies took part in the event, gaining valuable insights and fostering meaningful connections. These companies featured influential representatives from the industry, including Advanced Micro Foundry, LUXIC Technology, Photonteck, RGB Lasersystems, Terahop, etc. During the visit, the delegates immersed themselves in Singapore's latest advancements and innovative solutions.



## Programmes

### Day 1 - 26 February

The Photonics Institute (TPI)  
Centre for Micro- & Nano-Electronics (CMNE)  
Centre for Optical Fibre Technology (COFT)

### Day 3 - 28 February

PBA Systems  
National Semiconductor Translation and Innovation Centre (NSTIC)



# Curated Exhibition Tour

A total of 48 international visiting groups participated in the curated exhibition tours at APE 2025, designed to enhance their experience and maximise engagement with relevant exhibitors. Of these, over 20 industry representatives from associations participated in tailored itineraries to facilitate focused business connections and address specific sector needs.

## Singapore Semiconductor Industry Association (SSIA)

visited AGC, ATOMETRICS, DAHE, FOCUSLIGHT, GERMANLITHO, KEJING, KEMET and other enterprises at the exhibition to discuss the industrialisation path of photonic integrated circuits, nanoscale packaging and other cutting-edge technologies.



**Malaysian Machinery and Engineering Industries Federation (MEIF)** visited BOXIN, CARLSON, CYBERNET, HEIDELBERG, HITRONICS, HUACHUANG, HUARUIKE, LASER 21, MOJI-NANO, SANDVIK, SG DYNAMIC OPTRONICS, SINCEVISION, SINTEC OPTRONICS, XINGQING and other enterprises on the exhibition site, focusing on industrial automation, optical inspection and intelligent manufacturing to carry out in-depth exchanges, and accumulate key technical resources for the transformation of Malaysia's manufacturing industry.

**Electric Vehicle Association of Thailand (EVAT)** visited CHROMA, EDMUND OPTICS, FRAN OPTICS, GERMANLITHO, HAN'S LASER, HONGSHI, HONPHO, OPTO PRECISION, SINTEC OPTRONICS, and other enterprises on the exhibition site to discuss in-depth application of automotive LiDAR, multi-spectral sensing system and other technologies, and to promote the technological breakthrough of Thailand's electric vehicle industry chain.



## Thailand Automation and Robotics Association (TARA)

visited ACEXON, ATOMETRICS, BAITENG, BOTE, GREENWICH, HOLOEYE, HONGYANG, MOVEON, OPTOCRAFT, STRONG LASER, UVATA and other enterprises on the exhibition site, focusing on machine vision, laser sensing system and other technologies to provide technical support for the intelligent upgrading of Thailand's manufacturing industry.



# Concurrent Conferences

During APE 2025, 9 industry and application forums were held, focusing on key topics such as quantum technology, photonics and flat optics, machine vision, and semiconductor manufacturing. The forums gathered experts, senior scholars and enterprise elites in the industry to share cutting-edge research results, explore new technologies, and discuss emerging trends. These forums served as a premier platform for professionals to network, exchange ideas, and learn from one another.

85  
Speakers

9  
Forums

## Key Programmes

- Quantum Singapore 2025 conference
- Photonics@5G 2025 Conference
- Forum on Advanced Photonics and Flat Optics
- Asia Semiconductor Conference
- Machine Vision and Robotics Enabling Industrial Intelligent Manufacturing Forum
- EPIC Tech Watch hosted by European Photonics Industry Consortium (EPIC)
- 2025 EUROPE meets ASIA - Innovation in Photonics by W3+, IVAM & EPIC
- 2025 Photonics Empowering Electric Vehicle Technology Forum
- Photonics Technology Empowering Semiconductor Manufacturing Forum



# Key Speakers



**Dr. Alexander Kunz**  
Sales Manager  
Precision Optics -  
Bühler Alzenau  
GmbH



**Chen Jung Tsai**  
Chief Director - Hong  
Kong Applied  
Science And  
Technology  
Research Institute  
(ASTRI)



**Eelko Brinkhoff**  
Chief Executive  
Officer at  
PhotonDelta



**Gao Weibo**  
Professor - NTU,  
QUASAR,  
EEE&SPMS



**Dr. Haisheng Rong**  
Senior Principal  
Scientist Intel



**Dr. Jiao Jiao**  
Chairman -  
MetLaser



**Jie (Roger) Luo**  
President and  
Co-Founder- Anyon  
Technologies



**Jun Ye**  
Director at A\*STAR  
- Quantum  
Innovation Centre  
(Q.Inc)



**Dr. Kai Starke**  
CEO - Cutting Edge  
Coatings GmbH



**Dr. Louis Martin-Monier**  
Scientist and  
Technologist  
Massachusetts Institute  
of Technology



**Lv Shenzhen**  
Research Fellow -  
Nanyang  
Technological  
University



**Markus Lindemann**  
Regional Director  
Laser Technology,  
TRUMPF



**Dr. Radha Nagarajan**  
Senior Vice  
President and Chief  
Technology Officer  
of Cloud Optics  
Group Marvell



**Richard Hueners**  
Chief Commercial  
Officer at Palomar  
Technologies



**Dr. Rick Mo**  
Head, Green and  
Smart Mobility, HKPC  
Head, Business  
Development and  
Commercialization,  
APAS



**Sandrine Catrou**  
VP Marketing and  
Strategic  
Partnerships -  
CEA-Leti



**Asst Prof Chae  
Sanghoon**  
Nanyang  
Technological  
University Singapore



**Wee Seng Ang**  
Executive Director  
of Singapore  
Semiconductor  
Industry Association



**Xun Xu**  
Senior Scientist -  
Institute for  
Infocomm Research  
(I2R), A-STAR



**Assoc. Prof. Dr.  
Yossapong Laoonual**  
Assistant to the  
President for  
Sustainability at KMUTT  
and Honorary  
Chairman of EVAT

\* List in alphabetical order.



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## Unique Website Visitors

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## Supporting Associations



\*List in alphabetical order

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## 4 – 6 February 2026

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Exhibit at APE 2026



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