

APE | Asia
Photonics
Expo

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POST SHOW REPORT

GATEWAY TO PHOTONICS MARKET IN ASIA

6-8 MARCH 2024

Sands Expo and Convention Centre
(Marina Bay Sands) B2, Singapore

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www.asiaphotonicsexpo.com



APE 2024 Review

The Asia Photonics Expo (APE 2024) concluded successfully on 8 March 2024, in Singapore, marking its debut as a premier photonics trade show. It gathered 350 exhibitors and attracted 4,478 visitors from 76 countries and regions, showcasing photonics technologies from materials to advanced equipment, highlighting innovations in information and communication, optics, lasers, infrared, etc.

The event not only facilitated the exploration of new market expansions but also included 24 insightful conferences on various aspects of photonics, from academia, industry to application. This gathering of experts highlighted the importance of innovation and collaboration in advancing technological frontiers. Significantly, it showcased the rapid development and global integration of photonics technology, with a special focus on the vibrant growth opportunities in Southeast Asia. It set an optimistic tone for future collaborations and the ongoing progression of the photonics industry.

Highlights:

- 01 Inaugural Photonics Gathering in Singapore**
Launching APE 2024, the event attracted global exhibitors showcasing advancements in optical materials, lenses, modules, lasers, and AR/VR, etc.
- 02 Networking with VIPs and Decision Makers**
An exclusive platform to connect with industry VIPs and decision-makers, fostering partnerships and collaborations.
- 03 Market Growth Exploration in Southeast Asia**
A focus on uncovering new growth avenues within Southeast Asia's burgeoning photonics markets, offering insights and collaboration opportunities with Singapore's industry leaders, institutions and photonics consortium.
- 04 In-depth Industry Discussion**
Engage in detailed dialogues on contemporary topics spanning academia, industry developments, and practical applications to foresee the future of photonics.
- 05 Photonics Industry and Market Showcase**
Highlights the technological progress and emerging market trends in Asia's photonics sector, demonstrating its emerging markets.



15,000 m²

Exhibition Areas



350

Exhibitors



20

Delegations



4,478

Visitors



76

Countries and Regions



24

Forums

Visitor Analysis



Breakdown by Industry

Semiconductor Processing & Manufacturing	22.3%
Advanced Manufacturing	21.0%
Optical Communication	20.8%
Consumer Electronics & Entertainment	10.2%
Medical	7.8%
Energy	6.5%
Sensing & Measurement	6.4%
Security & Surveillance	3.0%
Lighting & Displays	2.0%

Breakdown by Company Type

Manufacturer	54.2%
Distributor / Trader / Agent	13.6%
Service Provider	11.2%
Integrator	5.9%
Scientific Institutions / Universities	4.4%
Others	3.0%
Contractor	2.3%
Government Bodies	1.8%
Investment & Financing Institutions	1.7%
Associations / Societies / Chamber of Commerce / Industry Alliance	1.2%
Media	0.8%

Breakdown by Job Function

Top Management	22.6%
R&D	20.2%
Manufacturing / Processing	17.6%
Purchasing / Supply Chain Management	10.2%
Sales	10.0%
Marketing	8.4%
Quality Management	7.2%
Others	3.8%

Purpose of Visiting APE

Looking for New Products and Technologies	27.4%
Collecting Information	26.8%
Maintain / Explore Business Relationship	13.6%
Looking for Agents and Other Cooperation Opportunities	12.6%
Purchasing	12.0%
Attending Conferences	4.4%
Preparing for the Participation of APE 2025	2.3%
Others	0.8%

Breakdown by Purchasing Role

Recommending & Suggesting	43.9%
Decision Maker	30.4%
Not a Part of Purchasing	25.8%



79.7%

of visitors influence buying decisions



43.3%

of visitors are from semiconductor processing or manufacturing industry



54.2%

of visitors are manufacturers



42.8%

of visitors are managers or engineers

Breakdown by Company Size

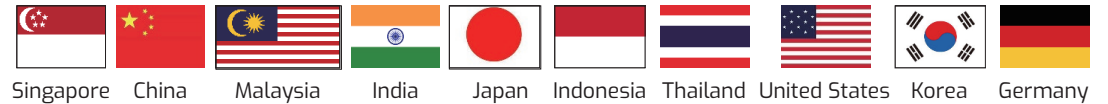
< 50 people	38.3%
> 500 people	26.8%
100 - 300 people	14.6%
50 - 100 people	14.0%
300 - 500 people	6.3%

Key Visiting Companies

- Advanced Micro Foundry
- Agilent
- aimflex
- Amazon
- ams Osram
- Appasamy Associates
- Apple
- Applied Materials
- ATOP
- Avago Technologies
- Broadcom
- Canon
- China Telecom
- Cisco
- Coherent
- Corning
- Delta Optics
- DenseLight Semiconductors
- Excelitas
- Haier
- HP
- Huawei
- Il-VI
- Intel
- KPP Packaging
- Marvell
- Mindef
- MMI Systems
- Molex
- Nanofilm Technologies
- NTU
- NUS
- Qualcomm
- Samsung
- Santec
- Sanwa
- SCHOTT
- Singtel
- Sony
- STMicroelectronics
- Sumitomo
- SUTD
- Synopsys
- Texas Instrument
- Thermo Fisher Scientific
- TP-Link
- WOCO Group
- Xenics
- Yaskawa
- Zeon
- Zero Error Systems
- ZKTel

* Listed in alphabetical order.

Top 10 Visitor Countries



Exhibitor Analysis



350

exhibitors from 19 countries and regions



10

group pavilions



70.9%

rated APE as an important platform for their business



65%

will be exhibiting again next year



75.3%

were satisfied with this year's event



85%

will recommend APE to industry peers and partners

It is a good chance to participate in a photonic expo mainly in the Asian countries, and the variety of the exhibitors is good, which is the advantage to attend for industry colleague.

- Gary Sun, Optzone Technology (Shenzhen) Limited



Exhibit Profile

Optical Communication

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

Laser

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

Infrared

- Infrared Material
- Infrared Component
- Infrared Equipment & Imaging

Optics

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

Sensing

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

Display

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

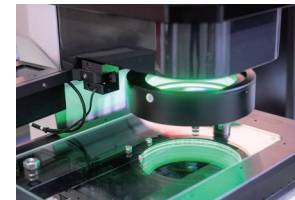
TOP 20 PRODUCT AREAS OF INTEREST AMONG ATTENDEES

Manufacturing/Processing and Measuring Equipment

- Optical Coating Material and Equipment
- Optical Imaging System
- AR/VR
- Laser Equipment
- Infrared Equipment and Imaging
- Testing and Measurement Equipment
- Machine Vision and Industrial Automation
- Production and Processing Equipment
- 3D Imaging and Sensing
- Semiconductor Material and Equipment

Material, Module and Device

- Optical Material
- Optical Lens
- Optical Communication Chip
- Optical Communication Device
- Optical Communication Module
- Optical Fiber Cable
- Camera Module
- Lasers
- Industrial Sensor
- LiDAR



VIP Buyer Programme

The APE VIP Buyer Programme features a tailor-made VIP service, exclusively for key buyers and senior decision makers from the photonics industry, who have specific sourcing needs or purchasing plans for new projects or products, mainly related to the top management, sourcing and supply chain management, R&D engineering, production and manufacturing, etc. APE aims to build up the bonding relationship between buyers and vendors in the industry, exchange industry insights and deliver the fruitful and efficient business matchmaking.

“ Attending APE has been an insightful journey into the optoelectronic industry's latest innovations and trends. The exceptional organization and diversity of exhibits have provided us with invaluable connections and insights. APE stands out as a beacon for professionals seeking to navigate the future of optoelectronics.

- Zhe Lin, CTO, Medeoptech Ventures Pte. Ltd



Concurrent Conferences

APE empowers the photonics industry and applications, building a high-quality platform for communication, exchange and learning. During APE 2024, academic and industry forums are inviting keynote speakers from global photonics leading companies, research institutes, and universities to discuss forefront technology innovation, share valuable insights and explore new trends across the photonics industry, with a focus on the integration of industry, academia, and research.

24

Forums and Sessions



Key Programmes

- Asia Light Conference 2024
- Yole Group Photonics Integration Forum: Transforming Data Communication Applications
- Next-Generation Data Center Optical Interconnect Technology Evolution Forum
- Optical Technologies and Applications in Pan-Semiconductor Processing Forum
- Ultra Precision, Micro Nano Processing and Optical Testing Forum
- Selected Sourcing Connect – Singapore
- EPIC- Tech Watch
- PHOTONICS @ 5G 2024 Conference
- EUROPE meets ASIA - Innovation in Photonics by W3+, IVAM & EPIC
- Overview of Photonics in Asia

86

Speakers

Panel Session



Dr Andrew Brown
Senior Director,
Global Business
Development,
AFL



A/P Chengkuo Lee
National
University
of Singapore



Dr Patrick Lo
CTO,
Advanced
Microfoundry



Mr Raja Manickam
Founder CEO,
IVP Semiconductor



A/P Donguk Nam
Nanyang
Technological
University

Moderator:
Mr Soma Sankaran
Managing Director,
AILES Photonics



Optics Forums

Data Center Forums

Application Forums

Key Speakers



Martin Vallo
Senior Technology & Market Analyst, Photonics, Yole Group



Ali Jaffal
Technology & Market Analyst, Semiconductor Substrates & Materials, Yole Group



Raja Manickam
Founder CEO, iVP Semiconductor



Jinghua Teng
Senior Principal Scientist, Institute of Materials Research and Engineering (IMRE), A*STAR



Renaud Richard
Senior Scientist, Energetiq Technology



Associate Professor Chengkuo Lee
National University of Singapore



Dr. Ka Yiu Wong
Senior Manager, IoT Sensing & AI Technologies Department, ASTRI



Associate Professor Donguk Nam
Nanyang Technological University Singapore



Patrick Lo
CTO, Advanced Micro-Foundry



Waiyapot Suttawassuntorn
Technical Lead, Intel



Joel Yang
Professor & Associate Head of Pillar (EPD) (Research and Advancement), Singapore University of Technology and Design, Nano Research Laboratory



Dr. Wanyin Cui
General Manager China Region, Nanoscribe GmbH & Co. KG



Liu Hong
Principal Scientist, Institute of Materials Research and Engineering (IMRE), A*STAR Research



Richard LC. Hu
Sr. Optical Application Engineer, Synopsys



Travis Burt
Global Product Manager – Cary UV-Vis-NIR Spectrophotometers, Agilent Technologies



Prof. Xiang Zhang
University of Hong Kong



Prof. Vladimir M. Shalaev
Purdue University



Prof. Qihuang Gong
Peking University



Prof. Shanhuai Fan
Stanford University



Prof. Alexandra Boltasseva
Purdue University

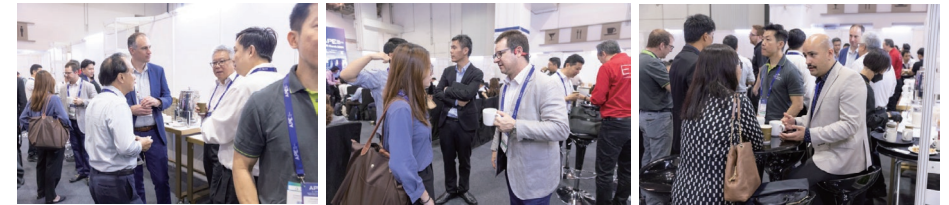
Concurrent Activities

Site Tour

APE co-organised with Singapore University of Technology and Design (SUTD) and LUX Photonics Consortium to curate an exclusive 2-day site tour. Over 40 distinguished companies have already joined the activities, seizing the chance to network with the campus professors and industry experts.

Networking Coffee/Tea Session

APE collaborated with LUX Photonics Consortium, Nanyang Technological University (NTU), National University of Singapore (NUS), Singapore University of Technology and Design (SUTD) and Agency for Science, Technology and Research (A*STAR) to host an engaging networking coffee/tea session at the PHOTONICS@SG 2024 Conference. This event attracted over 100 attendees, presenting a prime opportunity for attendees to mingle with distinguished professors and industry experts, fostering robust connections between academia and industry.



March 6

Cleanroom, Metrology Labs
Dyson-SUTD Innovation Studio
Optical Quasar Lab
SUTD Campus Tour

Programmes

March 8

The Photonics Institute, Nanyang Technological University
Centre for Disruptive Photonic Technologies (CDPT)
Centre for Optical Fibre Technology (COFT)
SICK Singapore
Institute of Microelectronics (IME)
Institute of Materials Research and Engineering (IMRE)



Media Campaign



2,100,000+
EDM Mailing Volume



980+
News Release Coverage



100,000+
Unique Website Visitors



1,226,998
Social Media Impressions

Win ONE-YEAR SUBSCRIPTION OF YOUR CHOICE OR TRENDY GADGETS at Asia Photonics Expo (APE) 2024 - Register now!

With only 5 weeks remaining until the grand opening of the show, we're excited to announce the start of our lucky draw contest. Participants must register by 16 February 2024 and be present at Asia Photonics Expo 2024 to qualify for the giveaway.

Eligible winners will be contacted via email by 20 February 2024. The subscription value capped at SGD200.

Don't miss out on this opportunity to win big at APE! Register now for APE and stand a chance to win incredible prizes: <https://lnkd.in/g/iaWpU>

#APE2024 #LuckyDraw #PhotonicsEvent

REGISTER NOW TO WIN ONE-YEAR SUBSCRIPTION OR TRENDY GADGETS

Lucky winner can choose from a selection of the hottest subscription platforms

10 winners will get smartwatches
20 winners will get power banks

4-7 visitors from Countries and Regions
20 International Delegations
24 Forums and Sessions

TERMS AND CONDITIONS: Participants must register by 16 February 2024 and be present at Asia Photonics Expo 2024 to be eligible for the giveaway. Please note that subscription value is capped at SGD 200.

Register to Enter the Giveaway Now!



JOIN US AT APE 2025

26-28 February 2025

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



Exhibit at APE 2025



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