

PRESHOW GUIDE

APE 2024

6 – 8 March 2024

Marina Bay Sands, Singapore

Held in:



Brought to you by:



Supported by:





About APE

Asia Photonics Expo 2024 (APE 2024) will be held from **6 to 8 March, 2024** at **Marina Bay Sands Singapore** - Asia's leading holistic photonics platform for branding and business connection, focusing on the latest cutting-edge innovative technologies and the emerging application markets in Asia, aiming to promote the in-depth communication and business collaboration between the photonics upstream and downstream. APE will be an ideal **one-stop sourcing platform for photonics in the international hub of Asian market**.

Highlights

- **Asia's Leading Event for Photonics Technologies & Emerging Applications.**
APE showcases the state-of-the-art technologies for the emerging application markets in Asia where its fast-growing photonics industry is driving by the rapid growth of the **data center, telecoms market, consumer electronics, advanced manufacturing, semiconductor** and **medical** industries.
- **One-stop Sourcing Platform for Photonics Products.**
APE gathers qualified photonics vendors in the holistic **supply chain of chips, components, devices, equipment and even application solutions**. It's a one-stop sourcing platform for buyers to look for new suppliers. Moreover, APE offers **FREE one-to-one business matchmaking** between buyers and vendors.
- **More Than an Exhibition, A Series of Forums are Presented.**
During APE 2024, a three-day **academic and industry forums** will be held to discuss forefront technologies, valuable insights and explore new trends across the photonics industry.
- **Networking Opportunities for New Partnership and Business Collaboration.**
APE is committed to empowering the photonics industry and application fields, building a high-quality communication, exchanging and learning platform. Concurrent with the show, there will be organized site tours to visit research institutes and corporate R&D centers, promoting in-depth communication and collaboration within the photonics industry.



GET FREE PASS

Exhibitors' 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 and Manufacturing

Laser

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

Display

- Display Material
- Display Panel/Module
- Display Manufacturing

Optics

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

Sensing

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

Infrared

- Infrared Material
- Infrared Component
- Infrared Equipment and Imaging

Visitors' Profile



Optical
Communication



Semiconductor Processing
& Manufacturing



Advanced
Manufacturing



Consumer Electronics



Medical



Surveillance &
Security



Sensing &
Measurement



Lighting & Displays



Energy



Exhibitors At A Glance

Optical Communication

Partially listed in no order.

Optics / Laser / Sensor / Display / Infrared

Partially listed in no order.

>>> [View more Exhibitors](#)



Product Preview – Optical Communication

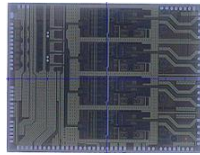
Optical Communication Chips, Components and Modules

SUNSHINE TECHNOLOGIES
Booth No: DC-20



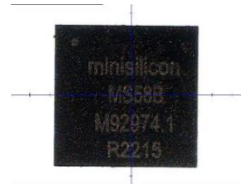
Single Layer Capacitor

MINISILICON
Booth No: DB-12



ms86040/ms87040 chipsets –for 200G SR4/400G SR8 application

MINISILICON
Booth No: DB-12



ms58050/ms22300 chip set – for 10G ER/ZR Transceiver

WOORIRO
Booth No: EE-15



56Gbaud PIN Photodiode Chip

SENKO
Booth No: EE-03



SN® Standard Optical Connector

HIRUNDO OPTICS
Booth No: EE-52



400~2000nm Laser Source

HIRUNDO OPTICS
Booth No: EE-52



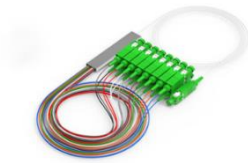
Coupler+PLC Splitter Hybrid Device

ARMORED OPTICAL
Booth No: DC-15



jumper coupler

YANGHE COMMUNICATION
Booth No: DD-05



Fiber optic splitter

ANHUI WANCHUANG
Booth No: EE-72



Insert cassette plc splitter

HTD FIBERCOM
Booth No: DD-51



MPO/MTP Patchcord /Cassette/High Density Patch Panel

FI-CABLE
Booth No: DB-16



Single mode and Multimode MPO/MTP

WOORIRO
Booth No: EE-15



56Gbaud PIN TIA ROSA

HTD FIBERCOM
Booth No: DD-51



40G QSFP+ Module LR4 20km Hot Pluggable Duplex LC Connector 1310nm

XUBEN PHOTOELECTRIC TECHNOLOGY
Booth No: DC-55



FTTX PASSIVES

VSUNLIGHT
Booth No: DC-19



Compact CWDM



Product Preview – Optical Communication

Wiring Products / Optical Fiber Cable

SINDI TECHNOLOGIES
Booth No: DC-07、DC-17



Optical Distribution Box

YAXUN
Booth No: DD-03



FTTH BOX

HTD FIBERCOM
Booth No: DD-51



100G QSFP28 to 4x25G SFP28 Breakout Active Optical Cable (AOC)

KRENO
Booth No: DA-53



optical fiber

KERUI COMMUNICATION
Booth No: DA-09、DA-10



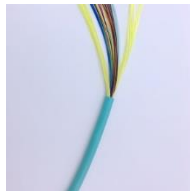
16 Core FTTH Box

KETONG
Booth No: EF-72



Optical Distribution Box

FI-CABLE
Booth No: DB-16



Fiber Optical Indoor cable

HANXIN OPTOELECTRONIC
Booth No: EF-68



ADSS OPTIC FIBER CABLE

YANGHE COMMUNICATION
Booth No: DD-05



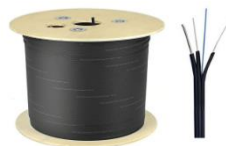
Fiber optic splice closure

YOOHON
Booth No: DB-52



ODF

HANXIN OPTOELECTRONIC
Booth No: EF-68



FTTH

HONGGUANG CABLE
Booth No: EE-62



GYTS armoured fiber optic cable

HONGYOU
Booth No: EE-63



YFDC-144B Fiber Distribution Cabinet

UNION POLYMER MATERIAL
Booth No: DB-55



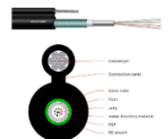
Heat shrink tube for dome closure

HONGGUANG CABLE
Booth No: EE-62



GYXTW fiber optic cable

YINPU
Booth No: EE-78



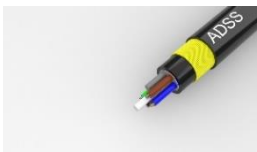
GYXTC8S



Product Preview – Optical Communication

Optical Fiber Cable / Optical Communication Transmission Equipment / Semiconductor Material and Equipment

YIYUAN
Booth No: EG-58



Optical fiber cables

FI-CABLE
Booth No: DB-16



Fiber Patch cords

XUBEN PHOTOELECTRIC TECHNOLOGY
Booth No: DC-55



Drop cable

YUXIN
Booth No: EF-52



FTTH Cable GJYXCH

V-SOLUTION
Booth No: EE-63



V1600GS: Single-port GPON OLT

V-SOLUTION
Booth No: EE-63



HG325AX: 10G EPON ONT

FH-NET OPTOELECTRONICS
Booth No: DB-07



XG(S)PON AX3000 ONT P56

FH-NET OPTOELECTRONICS
Booth No: DB-07



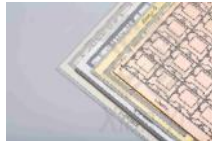
Industrial PoE Ethernet Switch

SUNSHINE TECHNOLOGIES
Booth No: DC-20



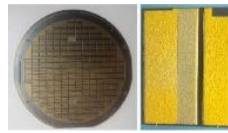
Ceramic Substrates

XIANYI
Booth No: DA-51



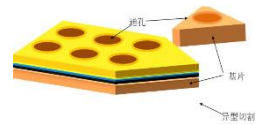
AMB Ceramic Substrates

COREWAY OPTECH
Booth No: EH-52



Series E - COPPER APPLICATION

COREWAY OPTECH
Booth No: EH-52



Series C —COMPLEX METALLIZATION APPLICATIONS

BOZHON
Booth No: DB-25



FastStar Series - High-speed High-precision Die Bonder

BOZHON
Booth No: DB-25



MicroStar Series - Fully Automatic High Precision Eutectic Die Bonder EF8621

MRSI AUTOMATION
Booth No: EF-23



MRSI-705 5-Micron Die Bonder

PRECISION INTELLIGENT TECHNOLOGY
Booth No: DC-10



DA1201-IC Linear High Precision Die Attach



Product Preview – Optics/Laser/Infrared/Sensing/Display

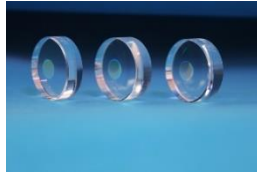
Optical Materials & Components

CRYSLASER INC
Booth No: EJ-23



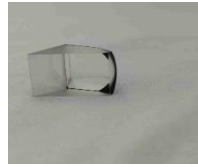
Er,Yb:Glass

SNP PRECISION OPTICS
Booth No: FN-27



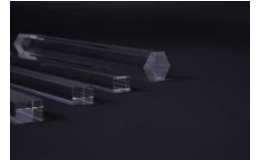
Ultra-high reflectivity
& ultra low loss mirror

GUANGDA OPTICS
Booth No: FT-01



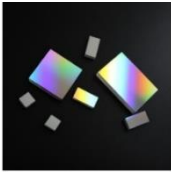
Optical Prism

FOM
Booth No: EH-25



Hexagonal optical Rod

CHINA STAR OPTICS
Booth No: FQ-07



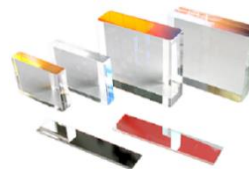
Optical Diffraction
Gratings

CLZ OPTICAL
Booth No: FP-02



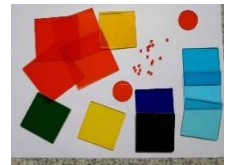
Optical Dome

NOVELBEAM
Booth No: EK-17



IPL Filter Series

**HAIAN EDUCATIONAL
OPTICAL LENS FACTORY**
Booth No: EH-15



Optical glass components

WANSHIHE ELECTRONICS
Booth No: FN-20



Monitor Crystals QCM
sensors IR windows IR
filters Laser sensors

FIT OPTICAL
Booth No: EJ-30



Optical blank

WTS PHOTONICS
Booth No: FN-12



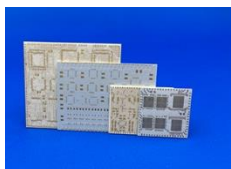
Laser components, High
damage threshold mirrors,
PBS&NPBS, windows

WTS PHOTONICS
Booth No: FN-12



Optics Lenses products
used for Machine vision,
Industry laser and medical

INNOVACERA
Booth No: FM-30



Ceramic Substrates
Thick Film Technology

NUOXIN
Booth No: FN-10



Compound Sputtering
Target

GLAS
Booth No: EH-55



Precision polishing
ball

HAORUI
Booth No: FQ-16



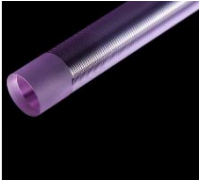
Red Polishing
powder



Product Preview – Optics/Laser/Infrared/Sensing/Display

Optical Components, Lenses & Modules, Cameras, IR Products

DONGJUN LASER
Booth No: EJ-22



Laser crystals

ULTRA PHOTONICS
Booth No: FM-07



Polarization Optics

YAGCRYSTAL
Booth No: EH-26



YAG rods ,YAG strips ,Mid-infrared crystals, optics lenses ,photodetectors

KOCANIC
Booth No: EJ-17



Flyeye lens

HEATSINK
Booth No: FP-11 FP-13



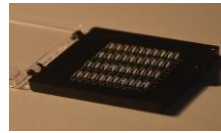
W-Cu heatspreader

WISOPTIC
Booth No: EL-21



DKDP (KD*P) Pockels Cell

XK PHOTONICS
Booth No: EL-19



RGB prism

COMPOUND SEMICONDUCTOR
Booth No: EK-08



Diamond wafer

WTS PHOTONICS
Booth No: FQ-07



Infrared Optical Elements

AZURE PHOTONICS
Booth No: FN-07 FN-08



AZURE UV Lens

JSD OPTOELECTRONICS
Booth No: FQ-17



Machine vision lens

YIXIN PHOTONICS
Booth No: FM-12



Fisheye lenses

EVERBEST MACHINERY
Booth No: FP-19



Solar Energy photovoltaic Industry Testers

TUOGAN TECHNOLOGY
Booth No: FP-19



long-wave cryogenic-cooled detector 6515L

AILI PHOTOELECTRIC
Booth No: FQ-19



AIRY DISK 204APO telescope

NIT
Booth No: FN-17



HiPe SenS - High performance air-cooled fan SWIR camera



Product Preview – Optics/Laser/Infrared/Sensing/Display

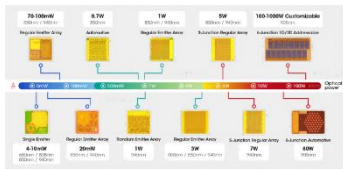
Lasers, Laser Components And Modules

DAHENG NEW EPOCH
Booth No: FL-20



Broadband Laser Mirrors

RAYSEES TECHNOLOGY
Booth No: EL-13



VCSEL Chips (Die)

FENGXING OPTOELECTRO-TEK
Booth No: FN-31



Ultra Narrow Linewidth Laser

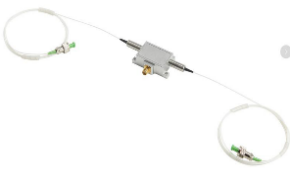
High Power Ultra Narrow Linewidth Laser

PHOTONX
Booth No: EL-18



Tunable Narrow Linewidth Laser Modulation

CSRAYZER
Booth No: EJ-15



Fiber coupled AOM

DONGJUN LASER
Booth No: EJ-22



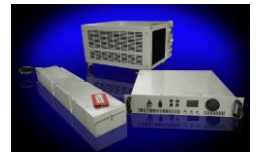
Eye-safe Laser Module

GAOYUE SCIENCE & TECHNOLOGY
Booth No: FL-26



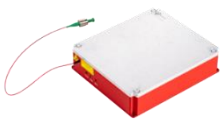
Pulsed High Power Laser Diodes

ZIFENG PHOTONICS
Booth No: FR-20



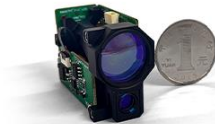
PanDo Q-Series UV laser

OPTIZONE
Booth No: EL-13



Seed Laser

LUMLSPOT PHOTOELECTRIC
Booth No: EJ-16



Eye-safe 1535nm Laser Rangefinder Module

CRYSTECH INC.
Booth No: EK-25



Laser Module

FREGES
Booth No: EK-16



voice coil actuator

[>>> View more Products](#)



Product Preview – Optics/Laser/Infrared/Sensing/Display

Optical Processing Equipment, Optical Measuring Instrument, Coating Equipment

MORINAGA
Booth No: FQ-13



Double-side Polishing/
Lapping Machine

BOHONGYUAN
Booth No: EK-19



32BF precision double-
sided surface grinding
machine/polishing machine

GUOTAI VACUUM
Booth No: EJ-29



Magnetron Sputtering
Coating Equipment

GUOTAI VACUUM
Booth No: EJ-29



Roll to Roll Coating
Equipment

YUNGKU TECHNOLOGY
Booth No: EK-14



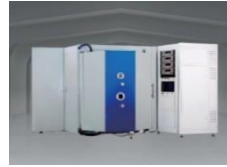
Camera Module Active
Alignment Equipment

YUNGKU TECHNOLOGY
Booth No: EK-14



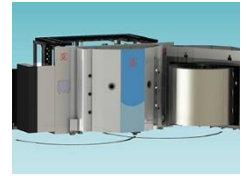
Dual Camera
Testing Fixture

3BEAM COATING
Booth No: FP-09 FP-07



electronic-beam
evaporation precision
optical coating machine

3BEAM COATING
Booth No: FP-09 FP-07



ICP magnetron
sputtering optical
coating machine

DAGONG INSTRUMENT
Booth No: EK-10



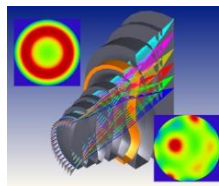
DG7060 Stereo Zoom
Microscope

RONGDE OPTICS
Booth No: FP-10



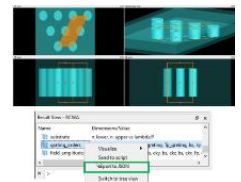
Incremental Encoder

CYBERNET
Booth No: EE-25



Ansys CAE Software

CYBERNET
Booth No: EE-25



Ansys Lumerical

[>>> View more Products](#)



International and Home-grown Technologies from companies based in Singapore

Partially listed in no order.



ANRITSU PTE LTD
Booth No: EE-06



MS9740B Optical Spectrum Analyzer

ANRITSU PTE LTD
Booth No: EE-06



MT1040A Ethernet Tester

APP SYSTEMS
Booth No: EH-12



Umicore Coating Materials

APP SYSTEMS
Booth No: EH-12



Thin Film Deposition Components

HAMAMATSU
Booth No: EF-10



LCOS-SLM(optical phase modulator) X15213 series

HAMAMATSU
Booth No: EF-10



Small size spectrometers

PI (PHYSIK INSTRUMENTE)
Booth No: EE-10



F-712.HA1 High-Precision Active Alignment System

PI (PHYSIK INSTRUMENTE)
Booth No: EE-10



ECMsm 2 or 4 axis Motion Controller with Integrated Servo Drives

BOTE OPTICS
Booth No: DD-20



Spherical lens

BOTE OPTICS
Booth No: DD-20



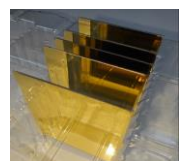
Scanning Lens

OPTO PRECISION
Booth No: EG-16D



Polymer Optics

OPTO PRECISION
Booth No: EG-16D

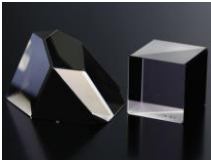


High-reflectivity Optical Mirrors



International and Home-grown Technologies from companies based in Singapore

SINGAPORE DYNAMIC OPTRONICS
Booth No: EH-18



Prism and Flat Optics

SINGAPORE DYNAMIC OPTRONICS
Booth No: EH-18



Opto Mechanical Sub-Assemblies

KOWA SKYMECH
Booth No: EE-07



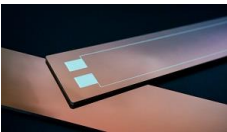
GigE vision series

SINTEC OPTRONICS
Booth No: EH-11



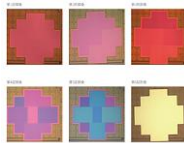
Sill Optics - Laser Optics and Imaging Lenses

MATERION
Booth No: EF-30



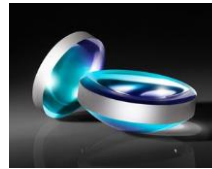
LiDAR Window

MATERION
Booth No: EF-30



Wafer level precise patterns

EDMUND OPTICS
Booth No: EK-27



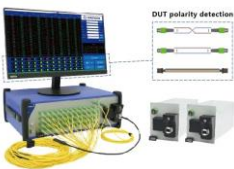
Precision Glass Polished Aspheric Lenses

POLYTEC SOUTH-EAST ASIA
Booth No: EF-09



Micro.View+ Compact: TMS-2400+ Compact

MASSTRON
Booth No: EF-19



Dimension Technology Multi-channel polarity IRL

MASSTRON
Booth No: EF-19



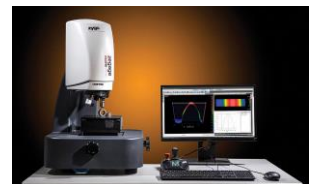
NTT-AT Optical Adhesives

BRUKER SINGAPORE
Booth No: DD-09



ContourX-500

AMETEK SINGAPORE
Booth No: DD-07



Zegage PRO HR & Verifire Laser Interferometer

ACEXON
Booth No: EG-26



PHAROS Modular-Design Femtosecond Lasers for Industry and Science

GF MACHINING SOLUTIONS
Booth No: DD-10



AgieCharmilles LASER P 400 and ML5

OPTOSIGMA
Booth No: EF-06



High-performance Vibration Isolation Systems with Steel Honeycomb Top

OPTOSIGMA
Booth No: EF-06



Superconducting Nanowire Single Photon Detector System



Europe Pavilion

Partially listed in no order.



DOPA
Booth No: FN-15



Sapphire, YAG & customized shapes

DOPA
Booth No: FN-15



DGM1500

HOLOEYE
Booth No: FN-20



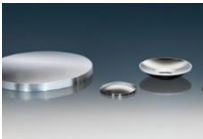
Standard Diffractive Optical Elements

HOLOEYE
Booth No: FN-20



New broadband version of analog ERIS Spatial Light Modulator

ASPHERICON GMBH
Booth No: FM-21



UV/VIS/IR Aspheric Optics / Mirrors

CHROMA
Booth No: FN-16



Machine Vision Filters

IMT MASKEN UND TEILUNGEN AG
Booth No: FM-15



LifeScience&Diagnostics MEMS

EAGLEYARD
Booth No: FM-20



DFB laser diodes

NEW IMAGING TECHNOLOGIES (NIT)
Booth No: FN-17



SenS 1280 - HD resolution SWIR camera

SCIL
Booth No: FN-19



AutoSCIL

I-PHOTONICS UAB
Booth No: FM-18



MERIDIAN Plasma Assisted Reactive Magnetron Sputtering (PARMS) system

I-PHOTONICS UAB
Booth No: FM-18



DIAMANTA vacuum system with PECVD technology

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Conference List

2024 Asia Photonics Expo Opening Ceremony & Asia Light Conference Plenary Speech

Date	Conference	Price	Language
6 March	2024 Asia Photonics Expo Opening Ceremony & Asia Light Conference Plenary Speech	FREE	EN

Asia Photonics Industry Development Forum

6 March 13:00 - 15:00	Next-Generation Data Center Optical Interconnect Technology Evolution Forum	FREE	EN
6 March 15:30 - 17:30	Ultra Precision, Micro Nano Processing and Optical Testing Forum	FREE	EN
7 March 10:30 - 12:30	Optical Technologies and Applications in Pan-Semiconductor Processing Forum	FREE	EN
7 March 13:00 - 15:00 15:30 - 17:30	Technological Comparison of 400G Optical Transceivers	FREE	EN

2024 Asia Light Conference

6 - 8 March	Tracks: 1. Micro and Nanophotonics I 2. Micro and Nanophotonics II 3. Topological Photonics 4. Quantum Photonics 5. Nonlinear Photonics and Functional Lasers 6. Tunable Optoelectronics 7. Advanced Manufacturing 8. Nano Materials and Luminescence 9. Terahertz Optoelectronics 10. Biophotonics and Medical Optics	Paid	EN
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More Events

6 March 10:30-12:30	Made In China	FREE	EN
6 March 13:30-15:00 15:30-17:30	EPIC- Tech Watch	FREE	EN
7 March 9:00-13:30	Lux Consortium Conference (Invitation Only)	FREE	EN

[>>>Conference List up to date](#)



Concurrent Events

2024 Asia Light Conference

Highlighted by UNESCO's International Day of Light, Asia Light Conference 2024 consists of plenary session and 10 parallel keynote & invited sessions: *Micro and Nanophotonics I, Micro and Nanophotonics II, Topological Photonics, Quantum Photonics, Nonlinear Photonics and Functional Lasers, etc.*

[>>>More Details](#)

Next-Generation Data Center Optical Interconnect Technology Evolution Forum

APE will join hands with globally renowned **Internet service providers, data center equipment manufacturers and core module device manufacturers** to focus on the trend of high-speed data center transmission network interconnect in the era of AI large computing power.

[>>>More Details](#)

Ultra Precision, Micro Nano Processing and Optical Testing Forum

This forum will explore topics such as **nanoimprint, micro-nano direct writing lithography technology, gray high-light lithography, precision machining, optical inspection, etc.**

[>>>Agenda](#)

Optical Technologies and Applications in Pan-Semiconductor Processing Forum

The forum will delve into topics such as the **development of advanced lithography processes and equipment, advancements in thin film deposition equipment, cutting-edge packaging technologies, semiconductor process, and wafer inspection.**

[>>> Agenda](#)

APE VIP Buyer Program

APE VIP Buyer Program is featured by the tailor-made VIP service exclusively for key buyers and senior decision makers from the photonics industry, who have specific sourcing or purchasing plans, mainly related to the **top management, sourcing and supply chain management, R&D engineering, production and manufacturing, etc.** APE provides verified buyers with **FREE one-to-one business matchmaking** service by arranging on-site meetings at the VIP lounge.

[>>> Submit Sourcing Request](#)



Hotel Reservation

Burnaby Solutions Pte Ltd (a licensed travel agency with Singapore Tourism Board)

Service Hotline: +65 69110855

Email: enquiry@burnaby-solutions.com

Hotel Reservation Website:

https://register.burnaby-solutions.com/v2/booking/step1_all/352

Traffic Guide

Marina Bay Sands Singapore

Address: 10 Bayfront Avenue, Singapore 018956

➤ Metro

Marina Bay Sands is located at Bayfront MRT station (CE1/DT16).

MRT services to/from Bayfront MRT station operate daily from approximately 6am to 12am midnight. The station connects to the Circle and Downtown Line of Singapore's Mass Rapid Transit (MRT) train system.

MRT Exits:

Exit C & D:

Sands Expo & Convention Centre (3-minute walk)

Exit E:

Sands Expo & Convention Centre

➤ Car & Taxi

Pick-Up/Drop-Off Points:

Outside Sands Expo & Convention Centre

➤ Car Park Entrance

Bayfront Link, next to Sands Expo & Convention Centre (South Entrance)

JOIN US AT APE 2024

6 – 8 March 2024
Marina Bay Sands, Singapore



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