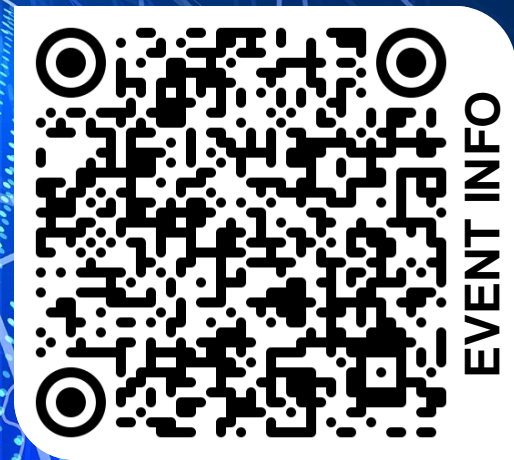


# SEMICONDUCTOR DAY 2024

**AI IN THE SEMICONDUCTOR INDUSTRY**  
TUE, 19 NOV 2024 | SCHOOL OF PHYSICAL & MATHEMATICAL SCIENCES



Last Revision: 11 Nov 2024

Organised by



School of Physical and  
Mathematical Sciences  
College of Science

Supported by



Sponsors



Cotti Coffee

# Getting Here

**Venue** Atrium, Level 3  
School of Physical & Mathematical Sciences  
21 Nanyang Link, Singapore 637371



## By public bus

Service 179 from Boon Lay interchange, or Pioneer MRT  
Alight at: Wee Kim Wee SCI (108473), or Academic Building South (27251)

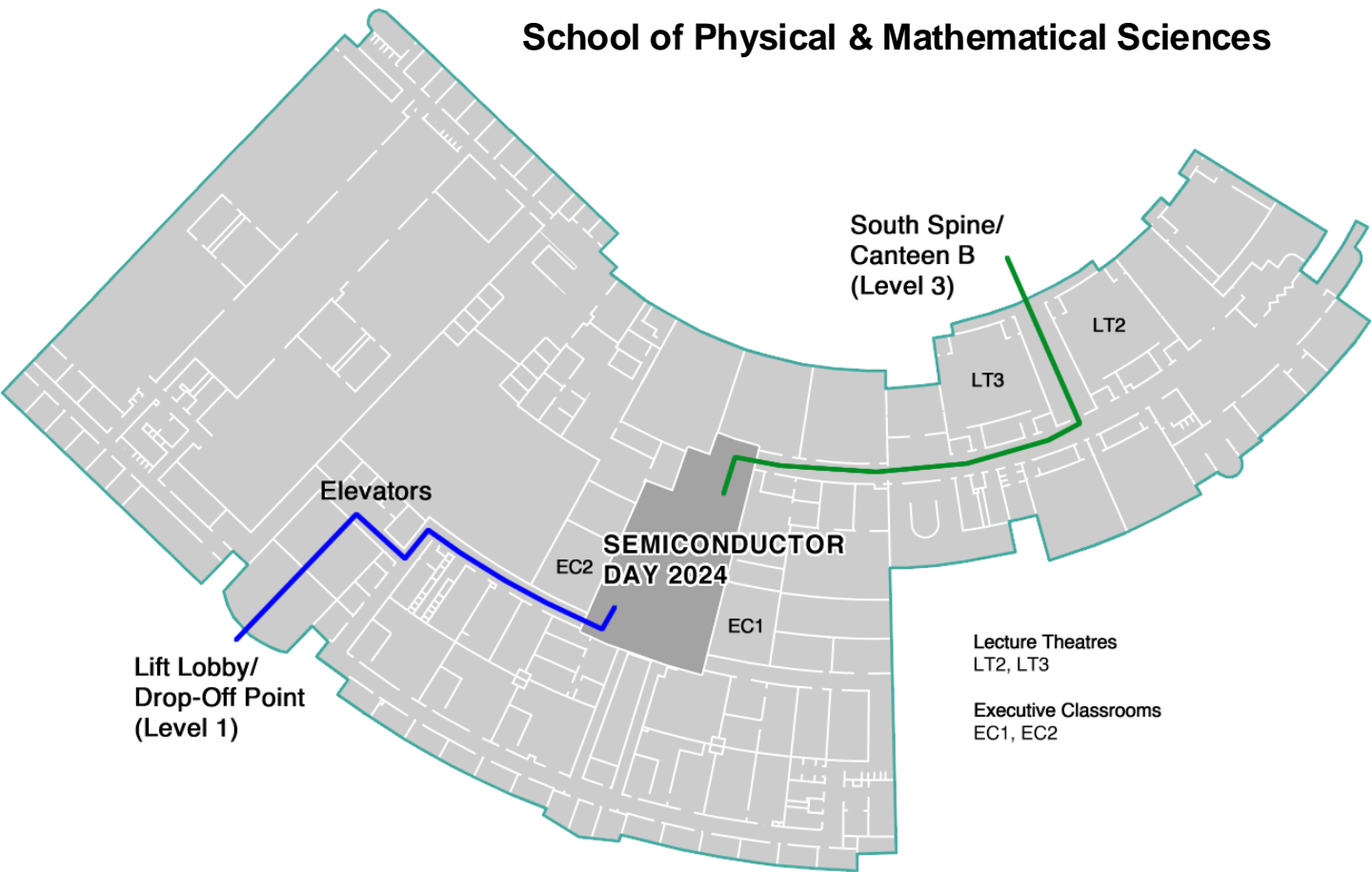
## By private transport

Available drop-off point at SPMS lift lobby  
**!** Limited parking along SPMS  
Nearby parking available at

- Gaia
- Wee Kim Wee/EEE
- South Spine

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## If you are coming into SPMS by:

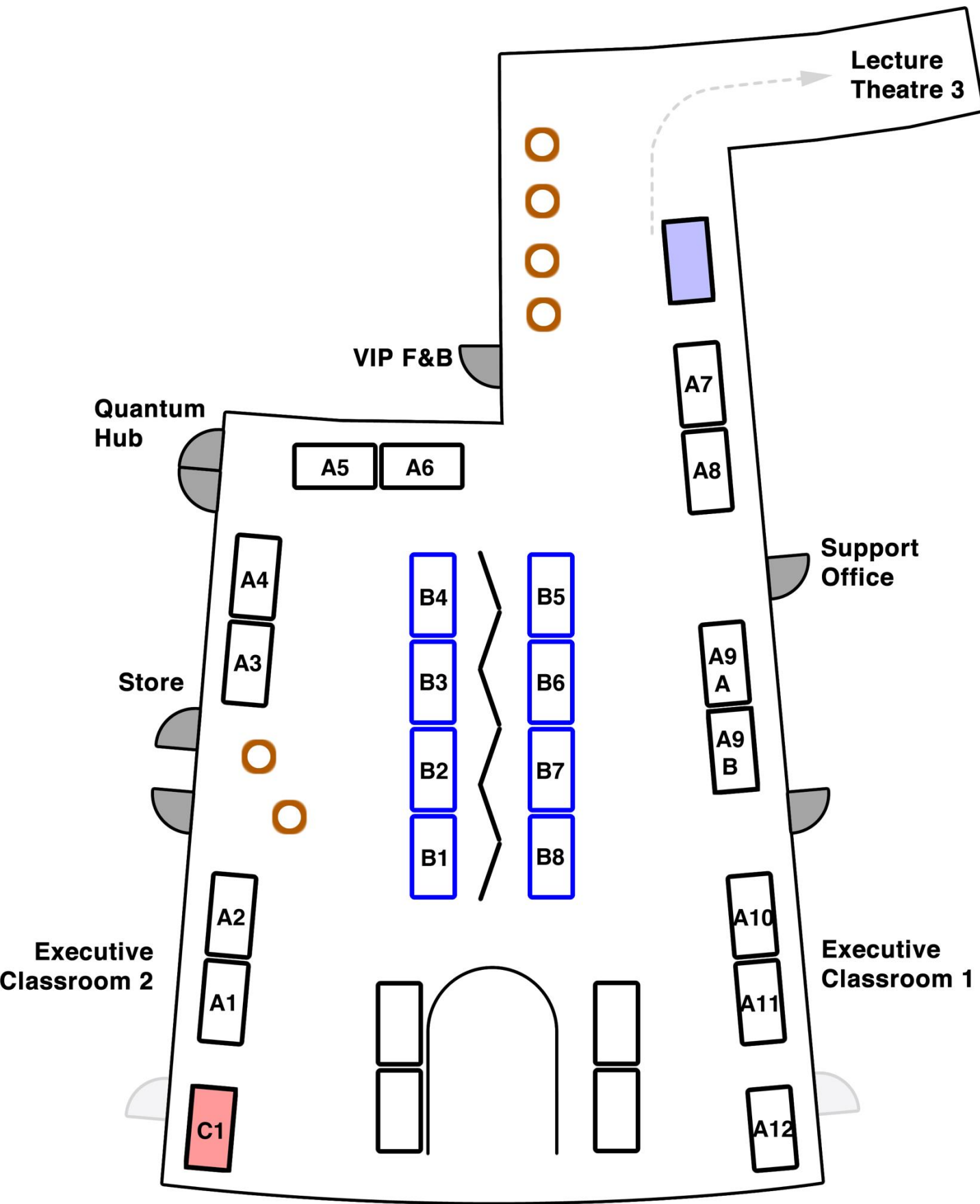
- i) South Spine/Canteen B: The Atrium is on the same level.
- ii) Lift-Lobby/Drop-Off Point: Take the lift to Level 3

Directional signs will be placed along common areas to guide you to the Atrium.

# Event Programme

Time	Agenda	
0930h	Registration and Networking	
1000h	Welcome Speech	<b>Dr. Gerard Joseph Lim</b> , Event Organiser
1005h	Opening Speech	<b>Prof. Lew Wen Siang</b> , Head (Physics and Applied Physics), Assoc. Chair (Research & Graduate Studies)
1010h	Powering AI with Micron's HBM3: Using AI Image Analytics to Improve Quality, Process Control & Yield in Micron	<b>Adeline Tay</b> , Senior Director, Smart Manufacturing and AI, Micron
1050h	MSc Precision Scientific Instrumentation (MSPSI) Course Program Overview	<b>Prof. Renshaw Wang Xiao</b> , Director, MSPSI
1100h	SEMI Overview	<b>Mr. Travers Lim</b> , Director, Programs and Business Development, SEMI Southeast Asia
1110h	Boosting Innovation and Productivity: Machine Learning's Role in the Semiconductor Industry	<b>Dr. Goh Szu Huat</b> , Director, Engineering, Qualcomm Semiconductor Limited
1140h	Heterogeneous Integration: Advancing Semiconductor Innovation with 3D Packaging and Chiplet Architectures	<b>Dr. Alfred Yeo</b> , Director, Research & Development, STATS ChipPAC
1210h	Panel Discussion: Talent Challenges in Southeast Asia/What Employers Look for in Gen Z Talents	<b>Ray Chua</b> , Senior Director, HR, KLA Corporation <b>Nicole Kong</b> , Director, HR, Lam Research <b>Dr. Goh Szu Huat</b> , Director, Engineering, Qualcomm <b>Prof. Alfred Huan</b> , Chief Advisor (Corporate), A*STAR; Science Corporate Advisor, Emerging Technologies, Temasek
1255h	Sponsor Token of Appreciation Presentation	
1300h	Lunch Break, Networking and Exhibitions	
1400h	AI for Smart Factories: Transforming Semiconductor Manufacturing Operations	<b>Ms. Thanjeetraaj Kaur Balraj Singh</b> , SEA Industry Consultant, Discrete Industries, Rockwell Automation
1430h	More than Moore: Silicon Carbide and Silicon Photonics	<b>Dr. Jeffrey Lam</b> , Chairman, SEMI Product Testing Technical Committee, Adjunct Associate Professor, NUS
1500h	Cutting-Edge Wafer Test Techniques to Characterize Energy-Efficient Advanced-Node Devices for Data Centres Use to Support AI Applications	<b>Dr. Sia Choon Beng</b> , Technical Director, FormFactor Singapore
1530h	Paving to The Net Zero	<b>Ms. Cristal Phwan</b> , APAC Greenhouse Gas Manager, GlobalFoundries Singapore
1600h	End of programme Post-event programme	

# Atrium Layout



# Exhibitor Booths

**A1**  Allied Vision

**A2**  SEMICONDUCTOR TECHNOLOGIES

**A3**  WAGO

**A4**  ASETS


**A5**  millice


**A6**  TLG TECHNOLOGY

 RAITH  
NANOFABRICATION

**A7**  SODAVISION  
machine vision, imaging technologies

**A8**  micron.

**A9**  Lam<sup>®</sup>  
RESEARCH

**A10**  VIS  
世界先進

**A11**  Component  
Technology

**A12**  RA Rockwell  
Automation

**C1**  semi

**B1**  KLA

**B2**  GlobalFoundries

**B3**  STATSChipPAC

**B4**  HOYA

**B5**  ULVAC

**B6**  DKSH

**B7**  SSMC

**B8**  Qualcomm

# Participating Companies

We are excited to present the following esteemed participating companies at our event! Don't miss the chance to engage with these industry leaders!

Qualcomm

micron

  
Western Digital

STATSChipPAC

HOYA

 Lam<sup>®</sup>  
RESEARCH

KLA+

 GlobalFoundries<sup>™</sup>

 FORMFACTOR<sup>™</sup>

milice

ULVAC

 ssmc

 Rockwell  
Automation

ASETS

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WAGO

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