

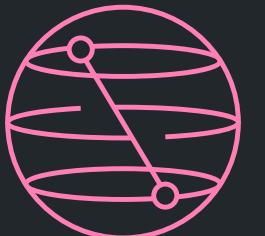


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MALAYA



IBM Quantum

QISKit



2025

FALL FEST

Qiskit Fall Fest 2025

Workshop 1: Quantum Algorithms





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Opening Speech

Prof. Dr. Vannajan Sanghiran Lee
Head of Centre of Excellence in
Quantum Information Science and Technology (QIST)
Universiti Malaya



Workshop Agenda

Day 1 (30/10/2025)

 0800-0900 Registration

 0900-1200 Introduction to quantum information and quantum computing

 1200 - 1330 Lunch break

 1330 - 1630 Deutsch-Jozsa algorithm

 Malaysia time (UTC +08:00)

Day 2 (31/10/2025)

 0900-1200 Shor's algorithm

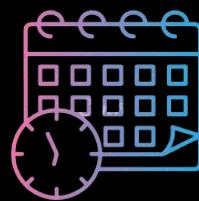
 1200 - 1500 Lunch break and prayer time

 1500 - 1545 Yap Yung Szen:
Control System for Superconducting Quantum Computers

 1545 - 1630 Tomasz Paterek:
Quantum Reservoir Processing: NISQ AI

Upcoming Events

- ASEAN Quantum Summit 2025

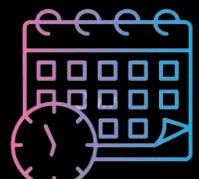


Date : 10-12 Dec 2025



Location : UTM, Johor Bahru

- Microcredit Course:
**Quantum Computing for AI & ML
2 Credits (30 hrs), UM Certified**

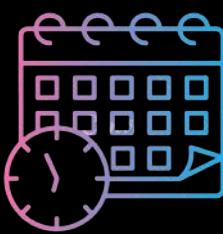


Date : 2026



Location : UM, Online

ASEAN Quantum Summit 2025



Date : 10-12 Dec 2025



Location : UTM, Johor Bahru



For more info

ASEAN Quantum Summit 2025

Topics include:

1. Quantum Computing

2. Quantum Communications

3. Quantum Sensing

4. Quantum Biology

5. Policies and
Strategies

ASEAN Quantum Summit 2025

1. Quantum Computing

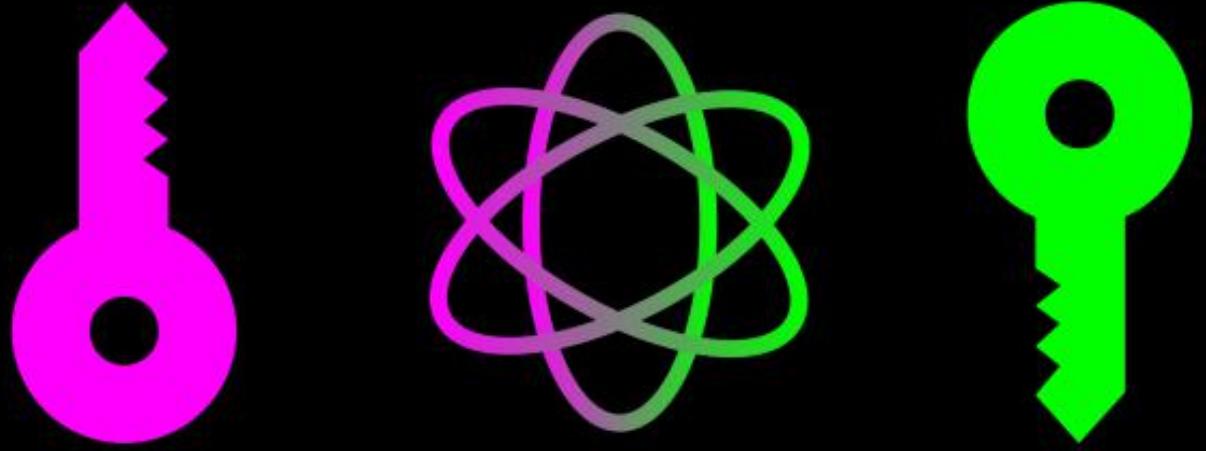
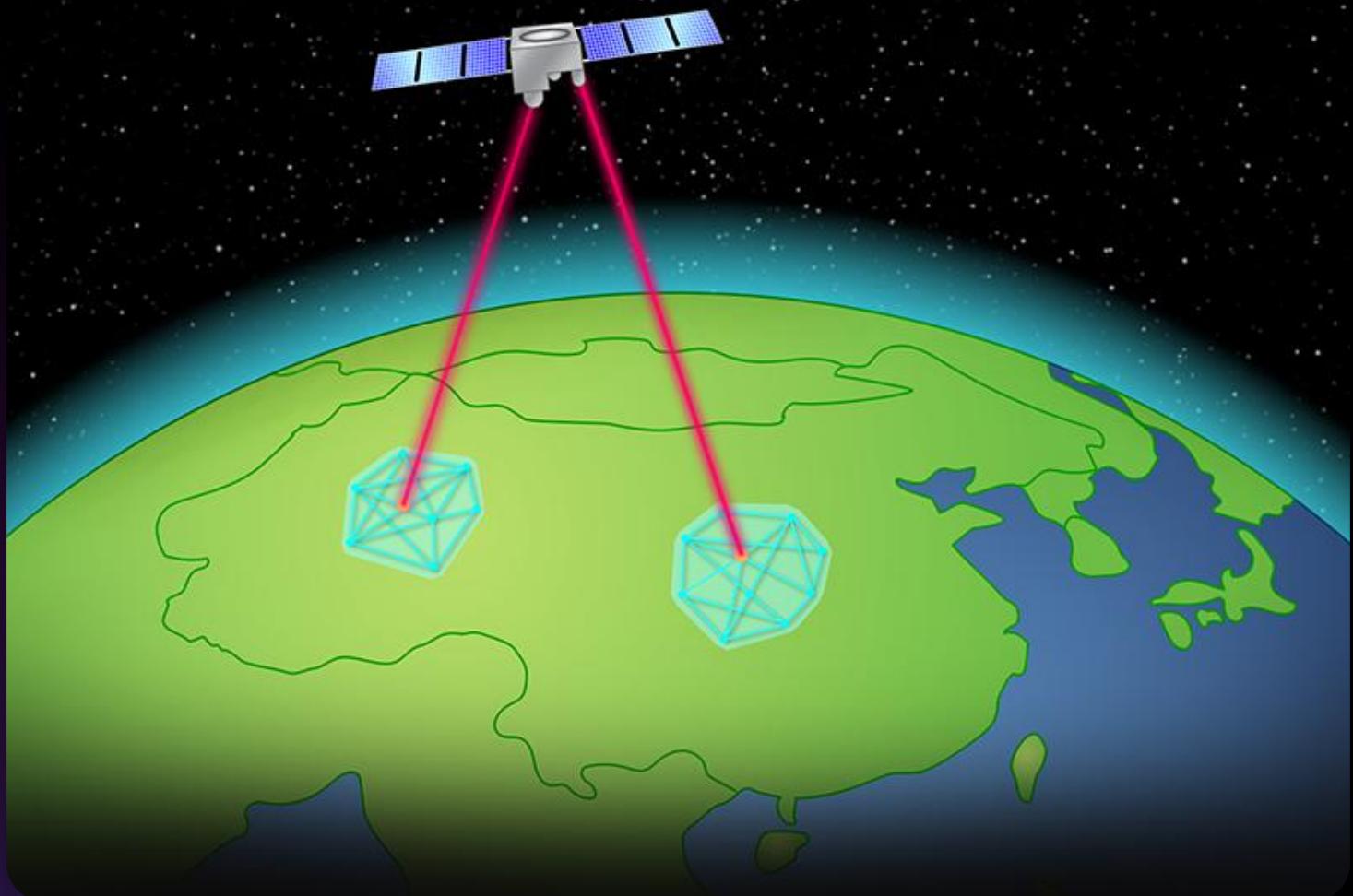
- Collapse problems that currently take millennia for supercomputers into solutions that arrive in mere seconds.



ASEAN Quantum Summit 2025

2. Quantum Communications

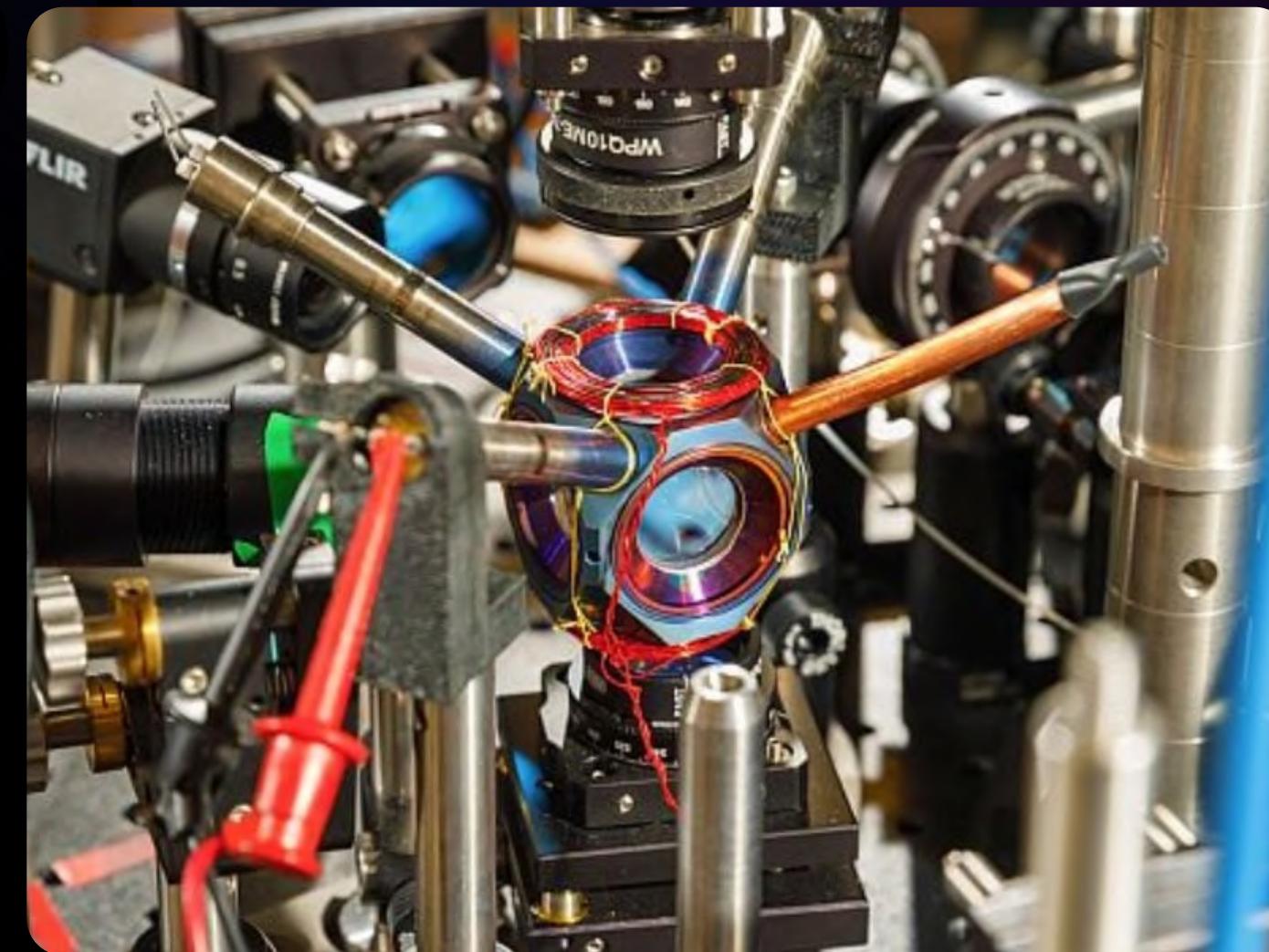
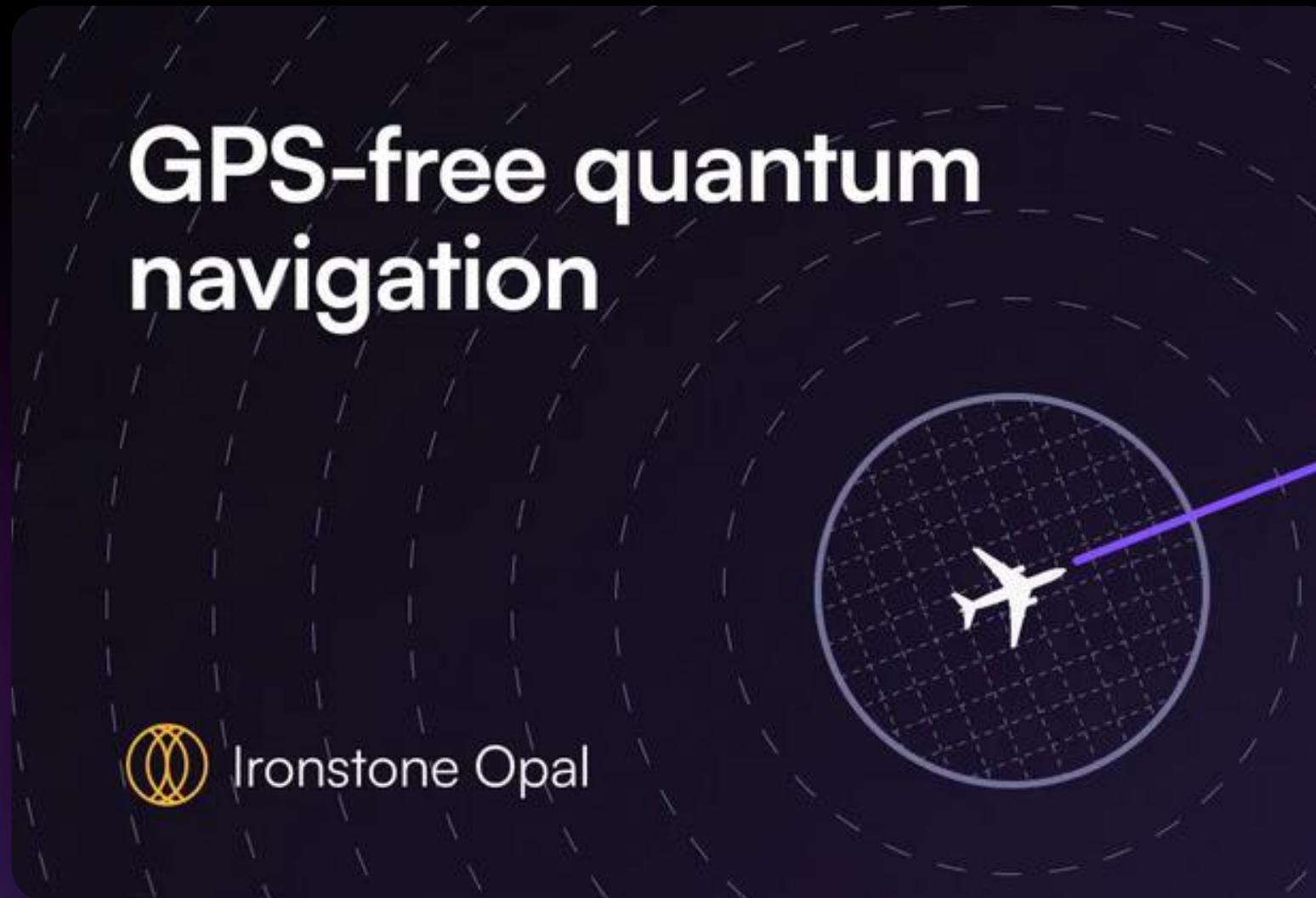
- Create an **unhackable connection** by using the fundamental laws of physics to protect your data.



ASEAN Quantum Summit 2025

3. Quantum Sensing

- Measure the world with a precision that was once thought impossible using the quantum properties of atoms.



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4. Quantum Biology

- Explore how nature has been using quantum tricks for billions of years, long before we ever built a lab to discover them.



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5. Policies and Strategies on Quantum Technology

- A national quantum strategy is a race to build an unhackable communication, super-powered sensors, and revolutionary computer.





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Attendance Link





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Our Speaker

Presented by

Dr. Choong Pak Shen

Postdoctoral researcher

Institute for Mathematical Research, Universiti
Putra Malaysia





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Our Student Trainers



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Lunch Break



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Thank You
Feedback Session

