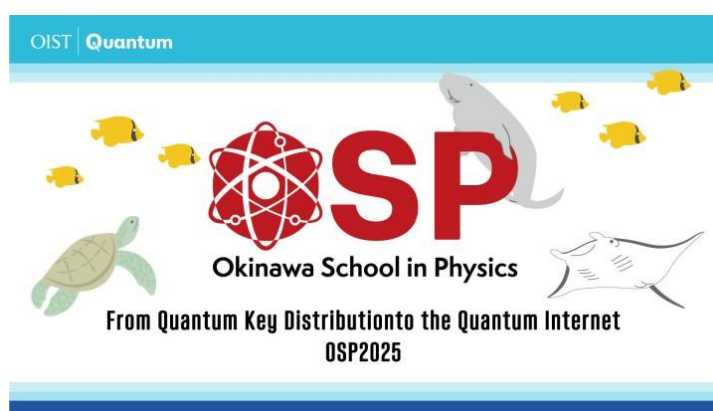


**SIP Industry Days, Okinawa School in Physics(OSP)**  
**SIP Global Leader Education program**

**Purpose of SIP Industry Days (Global Leader Program)**

To promote academia-industry networking between international and domestic academic participants and domestic industry representatives. The event will also provide international and domestic academic participants with opportunities to learn more about research and collaboration opportunities at domestic companies. Domestic companies will have the opportunity to present themselves during the poster session, highlighting their research, potential collaborations, and career opportunities.



**OSP2025: September 21 - October 3, 2025**

<https://www.oist.jp/conference/osp2025>



**Location: Okinawa Institute of Science and Technology (OIST)**

**OIST Seaside House (Onna Village, Okinawa, Japan)**

**September 21 (Sunday)**

**18:00~20:00 : SIP Poster Session & Working Dinner**

OIST Seaside House, Chura Hall

**SIP Industry Company Poster**

- IHI Corporation, Naoki Takekoshi (Japan)
- KDDI Research, Inc., Chihiro Dogo (Japan)
- Qubitcore, Koichiro Miyanishi (Japan)
- Strangeworks, Inc., Kaori Tanaka (USA)
- Toshiba Corporation, Mateo Fontaine (Japan)
- Yokogawa Electric Corporation, Miwa Tobita (Japan)

**Okinawa School in Physics (OSP) Poster**

- Thibault Aboud, "Cryogenic laser activation of single, deterministically implanted, tin vacancy color centers in diamond," University of Cambridge, United Kingdom
- Eesa Ali, "Two photon spectroscopy for ladder transitions in Rubidium," – University of Bristol, United Kingdom
- Félix Arnold, "QILab: A real-world hybrid quantum internet testbed," Delft University of Technology, Netherlands
- Thales Gottardello Marrafon, "Distributed Quantum Computation for General Quantum Maps," National Institute of Informatics (NII), Japan
- Charlotte Lane, "Quantum network nodes using tin-vacancy centres in open microcavities," University of Cambridge, United Kingdom
- Thomas Liege, "Analysis of untrusted-node QKD from a geostationary satellite," Sorbonne University, France
- Chia-Ying Lin – William Marsh Rice University, United States – Proper Learning for MPS
- Sergio Loarte, "Satellite-Based Entanglement Distribution for Non-local Games," Delft University of Technology / QuTech, Netherlands
- Jakob Miller, "Improved Two-source Extractors against Quantum Side Information," ETH Zurich, Switzerland
- Syed Shah Mir, "Resilient Quantum Network Design Using Deep Reinforcement Learning," Hamad Bin Khalifa University, Qatar
- Sam Morrissey, "Precision engineering of QKD transmitters for spectrally constrained applications," University of York, United Kingdom
- Samuel Oslovich, "A full-system benchmarking suite for quantum network nodes," QuTech, Delft University of Technology, Netherlands

- Heyang Peng, "Performance Analysis of MDI-QKD in Thermal-Loss and Phase Noise Channels," University of Luxembourg, Luxembourg
- Lorenzo Perruccio, "Hybrid reconfigurable solid state quantum memory by femtosecond laser micromachining," University of Pavia and CNR-IFN, Italy
- Siavash Qodratipour, "Towards time-bin entangled photon cluster states," Humboldt University of Berlin, Germany
- Jerzy Szuniewicz, "Unitary spectral-temporal mode shaping for photonic quantum networks," University of Warsaw, Poland
- Ben Taylor, "Measuring higher-order photon coherence for quantum communications using a single fast-photodiode," University of York & Toshiba Europe Limited, United Kingdom
- Iria Wang, "Designing Fault-Tolerant Blind Quantum Computation," Harvard University, United States
- Guo Xian Yau, "Reinforcement Learning for Quantum Network Control with Application-Driven Objectives," QuTech, Delft University of Technology, Netherlands

**September 22 (Monday)**

**8:00~15:30 : Lecture**

OIST Seaside House, Seminar Room

**8:00~10:00: Lecture1**

- Artur Ekert, OIST Graduate University (Japan)

Computation is a physical process!

**10:00~10:30 : Coffee Break**

**10:30~12:30: Lecture 2-1**

- Rod Van Meter, Keio University (Japan)

Quantum Data Center Networks

**12:30~13:30 : Lunch**

**13:30~15:30: Lecture 2-2**

- Rod Van Meter, Keio University (Japan)

Quantum Internet

**15:30~16:00 : Tea Break**

**16:00~17:30 : SIP Industry Session**

OIST Seaside House, Seminar Room

**16:00~17:00: Topical Research Talks**

- Nikita Astrakhantsev, Google Quantum AI (USA)

Benchmarking high-fidelity computationally complex quantum dynamics on a 69-qubit Sycamore chip

- Koji Azuma, NTT Basic Research Laboratories (Japan)

Towards a quantum internet

**17:00~17:30: Pitch Talks**

- Chihiro Dogo, KDDI Research, Inc. (Japan)

- Kaori Tanaka, Strangeworks, Inc. (Japan)

- Miwa Tobita, Yokogawa Electric Corporation (Japan)

- Naoki Takekoshi, IHI Corporation (Japan)

**17:30~18:00 : Free Discussion**

OIST Seaside House, Seminar Room/Chura Hall

**18:00~20:00 : SIP Industry Networking Dinner**

OIST Seaside House, Chura Hall