

Researchers from OIST and Kyudai will present their research results on quantum technology and AI, forming an interdisciplinary and dynamic team that will create original and high impact research. The purpose of this workshop is to generate collaborations aimed at new technological innovations and lay the foundation for projects that will drive next generation research with a view of obtaining external funding in the future.





Program

DAY1 (Feb.6)

13:00	Welcome address,
13:05	Meet & Greet

13:30 Introduction of Shinka Grant for joint research

Part 1 Plenary Talks

14:00 Plenary Talk 1: Research on Quantum at OIST
Assistant Prof. Hiroki Takahashi, Quantum Information Science
and Technology Unit, Okinawa Institute of Science
and Technology (OIST)

14:30 Plenary Talk 2: Research on Artificial Intelligence at Kyudai Assoc.Prof. Danilo Vasconcellos Vargas, Lab of Intelligent Systems, Kyushu University

Part 2: Breakout workshop session

15:15 Groupwork on Quantum and AI related issues

**Flash talk including research summary, research issues

**Discuss key research and challenges

17:15 Closing Remarks

17:30 Networking Reception (-19:00)

DAY2 (Feb.7)

9:30	Coffee & tea
10:00	Workshop report & Discussion on collaboration
12:00	Closing address

Speakers



Assoc. Prof. Hiroki Takahashi

Hiroki worked on quantum optics involving squeezed light, Schrödinger's kittens and tons of optical mirrors for his master and Ph.D.. After that he decided to try his luck in the United Kingdom where he also started new research about ion trapping and cavity QED. At the University of Tokyo he experienced research using superconducting Josephson circuits. Upon joining OIST, he switched his research subject back to the more experienced ion trapping with good memory of transmon qubits in his mind.



Assoc. Prof. Danilo Vasconcellos Vargas

Danilo Vasconcellos Vargas is an Associate Professor at Kyushu University, Visiting Researcher at the University of Tokyo and CEO & Founder of MiraiX. His research interests span Artificial Intelligence (AI), evolutionary computation, complex adaptive systems, interdisciplinary studies involving or using an AI's perspective and AI applications. Currently, he leads the Laboratory of Intelligent Systems aimed at building a new age of robust and adaptive artificial intelligence.

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