

16:10

16:20



## **ISQNS 2022**

## International Symposium on Quantum Nano Science

DATE: January 13th, 2022

LOCATION: (FACE-to-FACE) Second Forum, Morito Memorial Hall,

Kagurazaka Campus, Tokyo University of Science

(ONLINE): ZOOM (Meeting ID and passcode will be sent to participants.)

Chairperson: Hideaki Takayanagi

Concluding Remarks (Jaw-Shen Tsai)

Closing

## Schedule

10:00	Welcome (Hideaki Takayanagi)
10:10 20:10(EST)	Quantum error correction of a logical qubit
	<b>Zoom</b> Michel Devoret (Yale University)
10:40 17:40(PST)	Computing with Noisy Superconducting Quantum Processors
<b>通過</b>	zoom Irfan Siddiqi (UC Berkeley)
11:10	Break
11:20	Planar integration of superconducting qubits
Asset N	(onsite) Jaw-Shen Tsai (Tokyo University of Science)
11:50	Three qubit operations for error correction in silicon
	Zoom Seigo Tarucha (RIKEN, Tokyo University of Scienc)
12:20	Break
	Chairperson: Jaw-Shen Tsai
13:30	Quantum dot-based single photon sources towards quantum integrated systems
	zoom Yasuhiko Arakawa (The University of Tokyo)
14:00	Quantum sensing using a superconducting flux qubit
	Zoom Shiro Saito (NTT)
14:30	Break
14:40	Autonomous quantum error correction in a four-photon Kerr parametric oscillator
	(onsite) Sangil Kwon (Tokyo University of Science)
15:10 6:10(GMT)	Efficient Criteria of Quantumness for a Large System of Qubits
	Zoom Alexandre Zagoskin (Loughborough University)
15:40 14:40(CST)	Superconducting Quantum Computing
	Zoom Xiao-Bo Zhu (University of Science and Technology of China)

(All the presentations will be broadcasted on Zoom.)