



Name: Olivia Chen

Affiliation: Department of Advanced Information Technology, Kyushu University

Position: Associate Professor

Previous Positions: Assistant Professor, Yokohama National University
Associate Professor, Tokyo City University

Education: Ph.D. Yokohama National University, 2017

Research Interests/Areas of Expertise: Superconducting digital circuits, adiabatic superconducting logic, superconducting neuromorphic computing, EDA for superconducting VLSI

Publications: More than 40 scientific papers on applied superconductivity, published in journals such as Superconductor Science and Technology, IEEE Transactions on Applied Superconductivity, IEEE Transactions on Emerging Topics in Computing, Scientific Reports, and Applied Physics Letters, as well as top-tier computer architecture and EDA conferences including ISCA, MICRO, DAC, DATE, ICCAD, and ICCD.

Approximate Number of Years in Applied Superconductivity: 13

Membership in Professional Societies: IEEE, ACM, IEICE of Japan, Cryogenics and Superconductivity Society of Japan

Previous ASC Service: Electronics Program Committee ASC 2022, 2024
Session Chair ASC 2018, 2020, 2022
Referee for IEEE TAS Special ASC issue 2020, 2022

Service to Related Conferences: Program Committee ISEC 2019, DATE 2024, ICCAD 2024
Session Chair EUCAS 2019, 2023
General Chair International Workshop on Quantum, Cryogenic and Superconductive Computing (QUEST2024)
Committee of The Technical Group on Superconducting Electronics of the IEICE

Honors and Awards:
2023 JST FOREST Award, Japan Science and Technology Agency
2023 Outstanding Research Award, Tokyo City University
2019 JST PRESTO Award, Japan Science and Technology Agency
2019 Young Professional of 2019, Cryogenic Society of America
2017 Winner of Contest for ASC 2016 Contributed Preprints, IEEE Council on Superconductivity
2012 JGC-S Scholarship, JGC-S Scholarship Foundation