INTERNATIONAL SYMPOSIUM ON
QUANTUM ELECTRONICS

February 13–16, 2024
Ito International research Center, The University of Tokyo

Quantum electronics is a rapidly advancing frontier that links various facets of quantum science. This symposium covers a broad spectrum of topics in quantum electronics, ranging from foundational concepts of quantum magnets and cutting-edge spintronics devices to interdisciplinary intersections of quantum technologies with particle physics, cosmology, and quantum many-body physics.

Confirmed Speakers:

Keynote:

Stefan Blügel
Peter Grünberg Institute (PGI) and Institute for Advanced Simulation, Forschungszentrum Jülich GmbH

Shunsuke Fukami
Research Institute of Electrical Communication, Tohoku University

Tomas Jungwirth
The Department of Spintronics and Nanoelectronics, Institute of Physics, Academy of Sciences of the Czech Republic (ASCR)

Kyung-Jin Lee
Department of Physics, Korea Advanced Institute of Science and Technology (KAIST)

Prineha Narang
Physical Sciences, the University of California, Los Angeles (UCLA)

Stuart Parkin
The Max Planck Institute of Microstructure Physics

Cheng Song
School of Materials Science and Engineering, Tsinghua University, China

Evgeny Tsymbal
University of Nebraska-Lincoln (UNL), USA

Daniel Worledge
IBM Research

Special Session:

Gordon Baym
The University of Illinoise at Urbana-Champaign (UIUC)

Takashi Oka
The Institute for Solid State Physics (ISSP), The University of Tokyo

Surjeet Rajendran
The Department of Physics and Astronomy, Johns Hopkins University

Shinsei Ryu
Department of Physics, Princeton University

Maria Vozmediano
Instituto de Ciencia de Materiales de Madrid (ICMM - CSIC)

Naoki Yamamoto
Department of Physics, Keio University

Registration:
https://tsqs2024.org

Abstract submission deadline:
December 22, 2023

Registration deadline:
January 31, 2024

Hosted by: Trans-Scale Quantum Science Institute (TSQS) and the Institute for Solid State Physics (ISSP), The University of Tokyo

Trans-Scale Quantum Science Institute

The Institute for Solid State Physics
The University of Tokyo