

# 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 Tsybal**

University of Nebraska-Lincoln (UNL), USA

**Daniel Worledge**

IBM Research

### Special Session:

**Gordon Baym**

The University of Illinois 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:

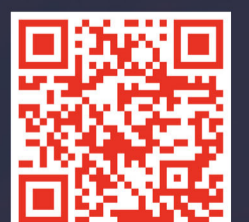
<https://tsqs2024.org>

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



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