



SRF2025 TOKYO

22ND INTERNATIONAL CONFERENCE
ON RF SUPERCONDUCTIVITY
SEPTEMBER 21-26

Conference Venue :

ITO International Research Center
(in the University of Tokyo)

Contact :

srf2025@ml.riken.jp

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<https://ribf.riken.jp/SRF2025/>



Message from the SRF2025 Chair

It is my pleasure, on behalf of the RIKEN Nishina Center and the SRF2025 Organizing Committees, to present the proceedings of the 22nd International Conference on RF Superconductivity (SRF2025), held in Tokyo, Japan, from September 21 to 26, 2025.

Since its inaugural event in 1980, the SRF Conference has been held every other year for over 40 years, rotating its location among Europe, North America, and Asia. The conference series has provided a vivid forum for SRF scientists, engineers, students, and industrial partners to present and discuss the latest developments in the science and technology of superconducting RF for particle accelerators. In recent years, with the establishment of the fundamental technologies of superconducting cavities, their applications have expanded from electron accelerators to large-scale facilities for proton and heavy-ion beams. The scope of SRF technology has also broadened toward new applications, including detectors for dark matter, axions, gravitational waves, and quantum computers.

At RIKEN, SRILAC (Superconducting RIKEN Linear Accelerator) achieved its first beam acceleration in 2020 and has since entered the stage of long-term operation while resolving various operational issues. In 2025, marking the fifth year of SRILAC operation, RIKEN had the honor of hosting the SRF Conference in Tokyo. Researchers, engineers, technicians, students, and industrial partners from around the world gathered to exchange knowledge and discuss a wide range of topics, from fundamental SRF science to practical applications and long-term operation of superconducting accelerator facilities.

I would like to express my sincere appreciation to all participants, speakers, exhibitors, sponsors, and members of the organizing committees for their contributions to the success of SRF2025. I hope that these proceedings will serve as a valuable record of the conference and contribute to the further development of superconducting RF science and technology.

Naruhiko Sakamoto

SRF2025 Conference Chair

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