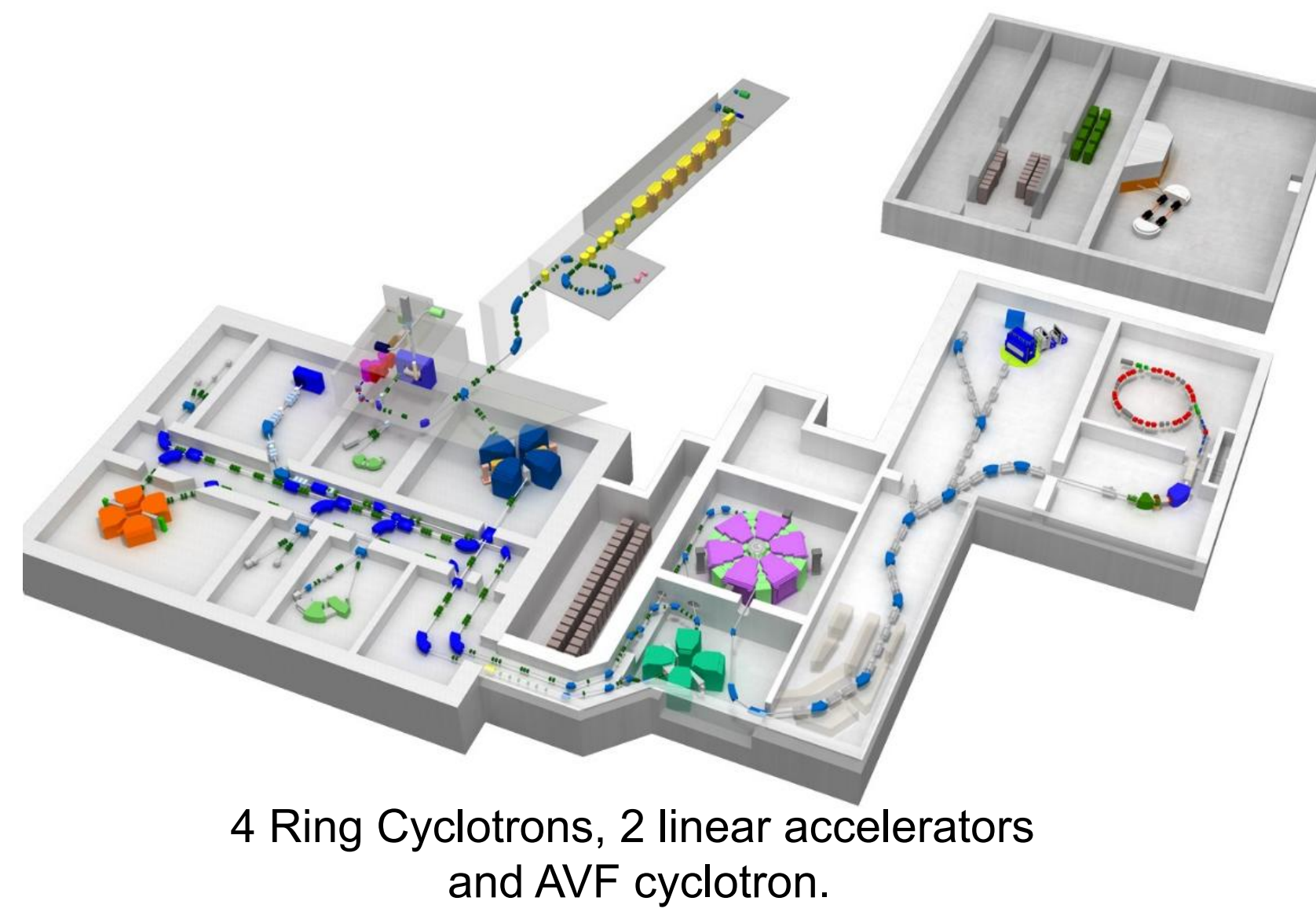


## Introduction

The SRF Conference since its inaugural event in 1980, has been held every other year for over 40 years, rotating its location between Europe, North America, and Asia. Initially, discussions focused on the development of high-performance cavities for the International Linear Collider, a high-gradient electron accelerator, leveraging the technology of superconducting RF. Recent progress in the cavity performance has showcased new materials and surface processing recipes. With the establishment of the basic technology of superconducting cavities, there are now active discussions on the introduction to large-scale user facilities for not only electron but also proton and heavy ions. This has transformed the conference into a platform for the development of high-performance superconducting cavities with discussions on rising technologies for long-term operation in user facilities. Moreover, its application has rapidly expanded to detectors for dark matter, axions, gravitational waves, and quantum computers.

### RIBF = RI Beam Factory Project at RIKEN



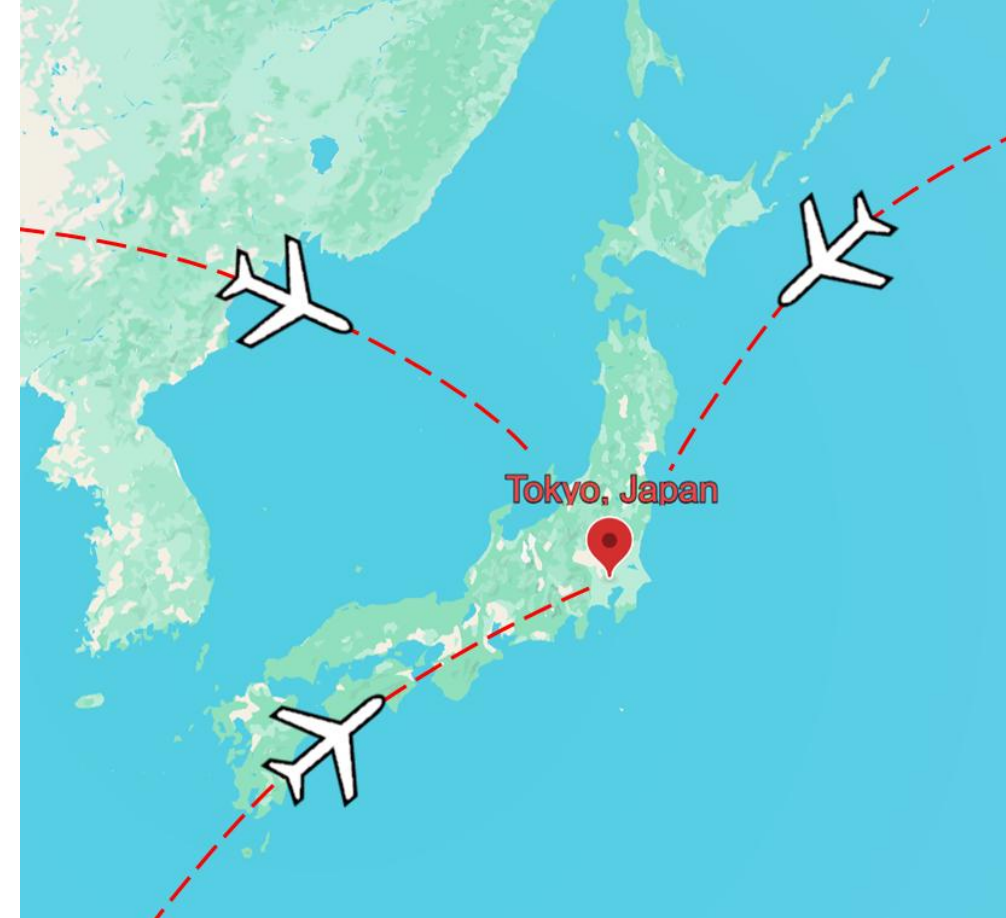
In 2020, **SRILAC** (Superconducting **R**iken **L**inear **AC**celerator) achieved beam acceleration for the first time and has since entered the stage of long-term operation, resolving various issues of different sizes. In 2025, marking the fifth year of operation, RIKEN will host the conference. Over six days, researchers and technicians from both domestic and international arenas in the field of superconducting RF will gather, engaging in a wide range of discussions from fundamentals to applications through oral and poster presentation sessions.

### SRF2023@GrandRapids



With the continued success of the previous SRF conferences, we are excited to welcome all participants to the upcoming SRF 2025 in **Tokyo, Japan**.

### SRF2025@Tokyo



## Venue

The conference will take place from **Sunday, September 21, to Friday, September 26**, at the **Ito International Research Center** located within the University of Tokyo's Hongo Campus in Japan.



The area surrounding the University of Tokyo's Hongo Campus offers a unique blend of history and modern Tokyo.



## Scientific Program

Regular sessions which consists of Invited talks, Contributed Orals, and Posters will cover a broad range of topics. In addition, two "Hot Topic" panel discussions, a keynote talk will be part of the program, and an industrial exhibition will run throughout the week. A stimulating scientific program will be complemented by social events that promote informal knowledge exchange.

**Early Bird Registration Deadline : 13-Jun-2025**  
**Abstract Submission Deadline : 30-Jun-2025**

### Topics:

- 1) SRF Facilities
- 2) Fundamental SRF research and development
- 3) Cavities
- 4) SRF Technologies
- 5) SRF Applications

## Tutorial Sessions

Tutorial sessions will be held before the conference from **September 18th to 20th at the RIKEN Wako campus**.

This tutorial will have a series of lectures for 3 full days about SRF related topics.

- SRF Basics
- TM Cavities
- TEM Cavities
- Fundamental and HOM Couplers

- New Materials
- LLRF
- Beam Loading
- Cryogenics

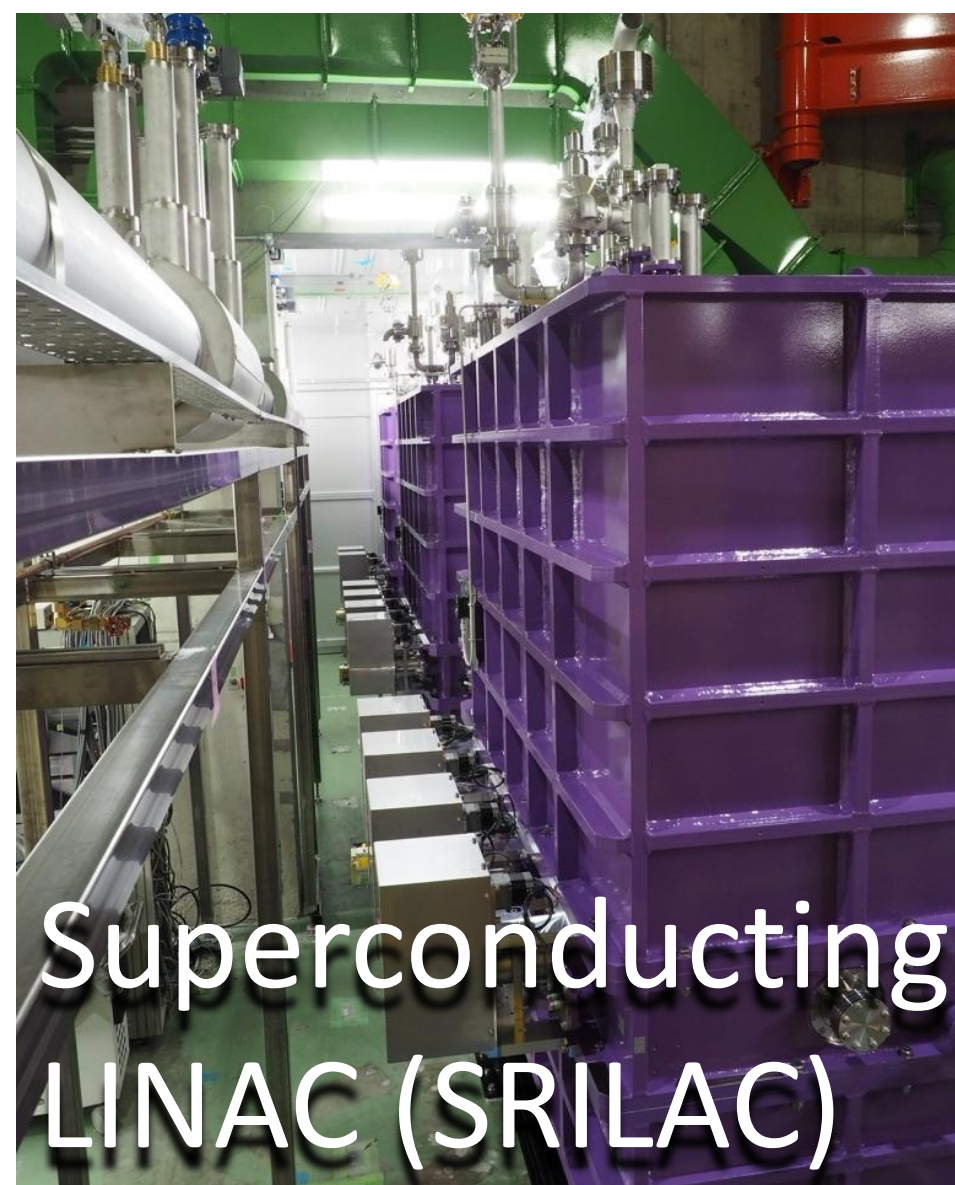
- Cavity Fabrication and Surface Preparation
- Cavity Clean Assembly & Testing
- Cryo Module Design & Testing
- High Q High Gradient

Before the SRF2025, a tutorial program will be held at **RIKEN Nishina Center**



## Lab tour / Banquet

### Lab tour –Superconducting LINAC / RIKEN RI Beam Factory –



The Lab tour will be at RIKEN Wako campus. We will visit the Superconducting Linear Accelerator (SRILAC), which consists of three cryomodules and ten quarter-wave resonators (QWRs) made from bulk niobium sheets and round rods. We will also tour the RI Beam Factory, including the Superconducting Ring Cyclotron (SRC) and the BigRIPS fragment separator.

### Banquet -Tokyo Bay Cruise-



Weight: 2,618 t  
Length: 83.20 m  
Width: 13.000 m  
Horsepower: 900 x 2  
Capacity: 600  
Sunset Cruise: 16:20-18:20  
Italian/French: 20,000 JPY/person



The social banquet will be a Tokyo Bay sunset cruise. We will have a wonderful view of the city covered in the warm, golden glow of the sunset. During the boat ride, we will enjoy panorama views with iconic landmarks like the Rainbow Bridge, Tokyo Tower, and Odaiba. This will offer a stunning scenery as the day shifts to nighttime revealing the Tokyo nightscape.

## Exhibitor/ Sponsorship Information

We are open to sponsors or exhibits at SRF2025— a unique opportunity to connect with a specialized audience of SRF researchers and users in a dedicated setting.

Sponsoring SRF2025 will increase your organization's visibility and demonstrate your support for the global SRF community. The number of sponsorship and exhibitor opportunities are limited, so we encourage early reservation to secure your spot.

### Current Exhibitors and Sponsors:



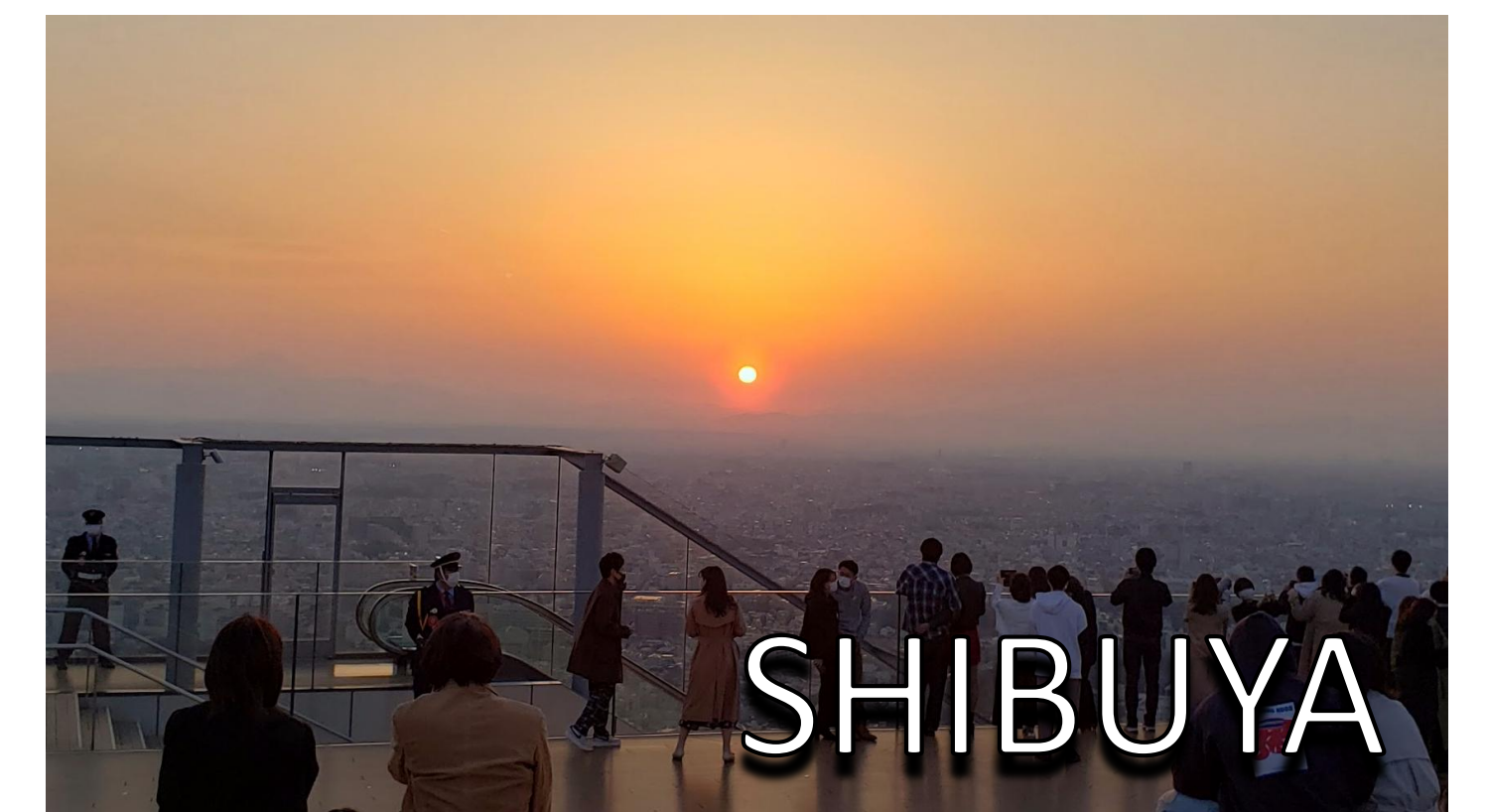
Mitsubishi Heavy Industries Machinery Systems, Ltd.

Sumitomo Heavy Industries, Ltd. Cryogenics Division

Wood Bell Co., Ltd. / power appliances Co., Ltd / Wuxi Creative Co. Ltd.



ASAKUSA



SHIBUYA



TOKYO STATION



Enjoy shopping, dining and sight-seeing near the conference venue !