

## **Session Program**

**18-26 Sept 2025**



**SRF2025  
TOKYO**

**22<sup>ND</sup> INTERNATIONAL CONFERENCE  
ON RF SUPERCONDUCTIVITY**

**September 21-26, 2025**

# **SRF2025 - 22nd International Conference on RF Superconductivity**

## ***Wednesday Oral Session: B***

Ito International Research Center  
Tokyo

# Wednesday 24 September

11:00

## Wednesday Oral Session: B: Fundamental SRF research and development

**Session** | **Location:** Ito International Research Center, Tokyo

11:00-11:20

### Insights on the effect of N and O impurities towards optimizing SRF cavity performance

**Speaker**

Hannah Hu

11:20-11:40

### Flux ratcheting: enhanced magnetic flux expulsion in SIS multilayer structures

**Speaker**

Daniel Turner

11:40-12:00

### Oxygen vacancies in niobium pentoxide as a source of two-level system losses in superconducting niobium

**Speaker**

Daniel Bafia

12:00-12:20

### Direct measurement of magnetic fields generated in Nb<sub>3</sub>Sn samples during cooldown

**Speaker**

Felix Kramer

12:20-12:40

### Measurements of RF magnetic field limits of Nb and Nb<sub>3</sub>Sn

**Speaker**

Nicole Verboncoeur

12:40-12:55

### Dynamics of few-trapped vortices in niobium at microwave frequencies

**Speaker**

Prof. Steven Anlage

12:55-13:10

### Effects of thin gold layers on performance of 2.6 GHz SRF cavity

**Speaker**

Sadie Seddon-Stettler

13:10