



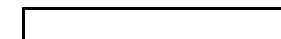
IBS2app 2025 Program

Abstracts are linked to each program number. Please click the image to view or download the PDF file.

Session	Program No.	Time	Thursday February 13th
		13:30-13:40	Opening
Plenary-I	PL-1	13:40-14:10	Plenary, Ruslan Prozorov Iron-Based Superconductors: Fundamental Properties Enabling Applications
Fundamentals-I/Materials-I	IO-01	14:10-14:30	Invited, Marina Putti Inhomogeneity effects in superconducting materials
	CO-01	14:30-14:45	Takao Watanabe Evidence for the BCS-BEC crossover in Te-annealed $\text{FeTe}_{1-x}\text{Se}_x$ ($0.1 \leq x \leq 0.4$) single crystals: An magneto transport study
	IO-02	14:45-15:05	Invited, Hai-Hu Wen Vortex dynamics and necklace-like vortex pattern in iron based superconductors
	IO-03	15:05-15:25	Invited, Satyajit Banerjee Interplay between magnetism and Superconductivity above and below T_c in $\text{BaFe}_{2-x}\text{Co}_x\text{As}_2$
		15:25-15:50	Break
Fundamentals-II/Materials-II	IO-04	15:50-16:10	Invited, Testuo Hanaguri Superconducting Gaps in $\text{Fe}(\text{S},\text{Se},\text{Te})$
	CO-02	16:10-16:25	Hua Zhang A new high-temperature superconductor synthesized by electrochemical intercalation
	IO-05	16:25-16:45	Invited, Zhixiang Shi Research on $\text{Fe}(\text{Se}, \text{Te})$ Thin Films and Coated Conductors
	IO-06	16:45-17:05	Invited, Ryosuke Kurihara Study on Bulk Superconductivity and Structural properties in $\text{Fe}(\text{Te}, \text{S})$
	CO-03	17:05-17:20	Joseph Wilcox Magnetically-controlled Vortex Dynamics in a Ferromagnetic Superconductor
	IO-07	17:20-17:40	Invited, Taichi Terashima Fermiology of iron-based superconductors via quantum-oscillation and magnetoresistance measurements
		17:40-18:00	Free time
		18:00-20:00	Welcome reception

Session	Program No.	Time	Friday February 14th
Plenary-II	PL-2	8:30-9:00	Plenary, Yanwei Ma Progress and prospects of IBS wires for high-field applications
PIT wires & Bulk magnets-I	IO-08	9:00-9:20	Invited, Fumitake Kametani Grain boundary structures for J_c increment and degradation in polycrystalline K-Ba122
	CO-04	9:20-9:35	Alessandro Leveratto Effects of different metallic sheaths on Ba122 superconducting wire development
	IO-09	9:35-9:55	Invited, Andrea Malagoli Ba-122 superconducting powders and wires development towards high field generation
	CO-05	9:55-10:10	Tsuyoshi Tamegai Fabrication and Characterizations of Thin $(\text{Ba},\text{Na})\text{Fe}_2\text{As}_2$ Round Wires
	IO-10	10:10-10:30	Invited, Satoshi Awaji Current Limiting Mechanism in Cu/Ag -sheathed $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ Tapes
		10:30-11:00	Break
PIT wires & Bulk magnets-II	IO-11	11:00-11:20	Invited, Laura Lain Rodriguez Atom Probe Tomography Analysis of BaFe_2As_2 Superconductors
	CO-06	11:20-11:35	Nur Rahmawati Ayukaryana Investigation of Yttrium Addition Effects in K-doped BaFe_2As_2 Polycrystalline Bulk Superconductor
	IO-12	11:35-11:55	Invited, Andrea Masi Development of Cu/Ta sheathed Ca/K -1144 wires for fusion applications
	IO-13	11:55-12:15	Invited, Mark Ainslie Numerical modelling of Ba122 bulk superconductor magnetisation
		12:15-13:45	Lunch
PIT wires & Bulk magnets-III	IO-14	13:45-14:05	Invited, Shiv J. Singh Reviewing High-Pressure Growth Effects on Iron-based Superconductors
	CO-07	14:05-14:20	Luo Junyi Transport Properties of the Stainless Steel/ Ag -sheathed $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ Tapes with Large Critical Current Density
	CO-08	14:20-14:35	Shengnan Zhang Boosting the Flux pinning properties of $\text{Fe}(\text{Se}, \text{Te})$ superconductors
Device and applications/Fundamentals-III	IO-15	14:35-14:55	Invited, Yuki Shiomi Nonreciprocal transport effects in FeSe superconducting films
	CO-09	14:55-15:10	Shintaro Suzuki Depairing current density in the c-axis microbridge devices of Co-doped BaFe_2As_2 single crystals
	IO-16	15:10-15:30	Invited, Enrico Silva High Frequency Vortex Dynamics in FeSeTe Thin Films: Investigating Flux Flow, Anisotropy, Pinning, and Impact of Heavy-Ion
	CO-10	15:30-15:45	Atsuro Yoshikawa Fabrication and characterization of $\text{NdFeAs}(\text{O},\text{H})$ nanostrips toward single photon detectors
	IO-17	15:45-16:05	Invited, Atsutaka Maeda Interface superconductivity of Fe chalcogenides realized by PLD technique
		16:05-16:35	Break
Thin films and coated conductors-I/Fundamentals-IV	IO-18	16:35-16:55	Invited, Hidenori Hiramatsu Thin-film Growth of 1111-type Iron-based Superconductors
	CO-11	16:55-17:10	Antonella Mancini Development of $\text{Fe}(\text{Se},\text{Te})$ coated conductors with a conductive TiN buffer layer
	IO-19	17:10-17:30	Invited, Serena Eley Tuning the theoretical limits for the critical current density and vortex creep rate in iron-based superconductors
	IO-20	17:30-17:50	Invited, Michael Eisterer Critical current across artificial [001] tilt grain boundaries in K-doped Ba-122 thin films
		17:50-19:00	Free time
		19:00-21:00	Dinner

Session	Program No.	Time	Saturday February 15th
Poster	PO-1-PO-28	8:30-10:20	Poster
Plenary-III	PL-3	10:20-10:50	Plenary, Valeria Braccini Iron Based Superconductors: Development of Conductors for High Field Generation based on $\text{Fe}(\text{Se},\text{Te})$
		10:50-11:10	Break
Thin films, Coated conductors-II	IO-21	11:10-11:30	Invited, Fang Liu Recent process in the development of $\text{Fe}(\text{Se}, \text{Te})$ insert coil
	CO-12	11:30-11:45	Matteo Cialone Innovative buffer layer for simplified and cost-effective $\text{Fe}(\text{Se},\text{Te})$ coated conductors
	IO-22	11:45-12:05	Invited, Junyi Ge Key factors affect the growth of FeSeTe coated superconductors
		12:05-13:15	Lunch
Thin films, Coated conductors-III	IO-23	13:15-13:35	Invited, Jens Hänisch Grain boundaries in $\text{Fe}(\text{Se},\text{Te})$ thin films
	CO-13	13:35-13:50	Qiao Sun The Tuning of the Phase Separation and its Effect on Superconducting Performance in $\text{Fe}(\text{Se}, \text{Te})$
Fundamentals-V/Materials-III	IO-24	13:50-14:10	Invited, Shigeru Kasahara Multiple Superconducting Phases in Tetragonal $\text{FeSe}_{1-x}\text{S}_x$
	CO-14	14:10-14:25	Jihu Lu Serial new high-temperature superconductors $[(\text{C}_n\text{H}_{2n+1})_4\text{N}]_x\text{FeSe}$ ($n=2,3,5,6,7,8$) synthesized by electrochemical intercalation
	IO-25	14:25-14:45	Invited, Soon-Gil Jung Distinct Evolution of Critical Current under Pressure in Quantum Critical Superconductors $\text{Ce}(\text{Rh}/\text{Co})\text{In}_5$
		14:45-15:00	Break
Fundamentals-VI/Materials-IV	IO-26	15:00-15:20	Invited, Kenichiro Hashimoto Bogoliubov Fermi surface in the superconducting tetragonal $\text{Fe}(\text{Se},\text{S})$
	IO-27	15:20-15:40	Invited, Yuta Mizukami Evolution of transport and thermodynamic properties in $\text{FeSe}_{1-x}\text{Te}_x$ superconductors
	IO-28	15:40-16:00	Invited, Hiraku Ogino Single crystal growth and superconducting properties of iron-based superconductors with complex structures
	IO-29	16:00-16:20	Invited, Xiaoli Dong Superconducting and Normal-state Properties of Some FeSe -based Single Crystals and Films Synthesized by Soft Chemistry Methods
		16:20-16:30	Closing

 : Plenary talk
 : Invited talk
 : Contributed talk