

IBS2app 2025 Program (February 14th)

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

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-13	9:00-9:20	Invited, Mark Ainslie Numerical modelling of Ba122 bulk superconductor magnetisation
	IO-09	9:20-9:40	Invited, Andrea Malagoli Ba-122 superconducting powders and wires development towards high field generation
	CO-04	9:40-9:55	Alessandro Leveratto Effects of different metallic sheaths on Ba122 superconducting wire development
	CO-05	9:55-10:10	Tsuyoshi Tamegai Fabrication and Characterizations of Thin (Ba,Na)Fe ₂ As ₂ Round Wires
	IO-10	10:10-10:30	Invited, Satoshi Awaji Current Limiting Mechanism in Cu/Ag-sheathed Ba _{1-x} K _x Fe ₂ As ₂ Tapes
		10:30-11:00	Break
PIT wires & Bulk magnets-II	CO-06	11:00-11:15	Nur Rahmawati Ayukaryana Investigation of Yttrium Addition Effects in K-doped BaFe ₂ As ₂ Polycrystalline Bulk Superconductor
	IO-11	11:15-11:35	Invited, Laura Lain Rodriguez Atom Probe Tomography Analysis of BaFe ₂ As ₂ Superconductors
	IO-12	11:35-11:55	Invited, Andrea Masi Development of Cu/Ta sheathed Ca/K-1144 wires for fusion applications
	IO-08	11:55-12:15	Invited, Fumitake Kametani Grain boundary structures for J _c increment and degradation in polycrystalline K-Ba122
		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	Junyi Luo Transport Properties of the Stainless Steel/Ag-sheathed Ba _{1-x} K _x Fe ₂ As ₂ Tapes with Large Critical Current Density
Device and applications/Fundamentals-III	IO-15	14:20-14:40	Invited, Yuki Shiomi Nonreciprocal transport effects in FeSe superconducting films
	CO-09	14:40-14:55	Shintaro Suzuki Depairing current density in the c-axis microbridge devices of Co-doped BaFe ₂ As ₂ single crystals
	IO-16	14:55-15:15	Invited, Enrico Silva High Frequency Vortex Dynamics in FeSeTe Thin Films: Investigating Flux Flow, Anisotropy, Pinning, and Impact of Heavy-Ion Irradiation
	CO-10	15:15-15:30	Atsuro Yoshikawa Fabrication and characterization of NdFeAs(O,H) nanostrips toward single photon detectors
	IO-17	15:30-15:50	Invited, Atsutaka Maeda Interface superconductivity of Fe chalcogenides realized by PLD technique
		15:50-16:20	Break
Thin films and coated conductors-I/Fundamentals-IV	IO-18	16:20-16:40	Invited, Hidenori Hiramatsu Thin-film Growth of 1111-type Iron-based Superconductors
	CO-11	16:40-16:55	Antonella Mancini Development of Fe(Se,Te) coated conductors with a conductive TiN buffer layer
	IO-19	16:55-17:15	Invited, Serena Eley Tuning the theoretical limits for the critical current density and vortex creep rate in iron-based superconductors
	IO-20	17:15-17:35	Invited, Michael Eisterer Critical current across artificial [001] tilt grain boundaries in K-doped Ba-122 thin films
		17:35-19:00	Free time
		19:00-21:00	Dinner

	: Plenary talk
	: Invited talk
	: Contributed talk