

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 |
| | IO-08 | 9:00-9:20 | Invited, Fumitake Kametani Grain boundary structures for J_c increment and degradation in polycrystalline K-Ba122 |
| PIT wires & Bulk magnets-I | 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 (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 |
| PIT wires & Bulk magnets-II | IO-11 | 11:00-11:20 | Invited, Laura Lain Rodriguez Atom Probe Tomography Analysis of BaFe ₂ As ₂ Superconductors |
| | CO-06 | 11:20-11:35 | Nur Rahmawati Ayukaryana Investigation of Yttrium Addition Effects in K-doped BaFe ₂ As 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 Ba _{1-x} K _x Fe ₂ As ₂ Tapes with Large Critical Current Density |
| | CO-08 | 14:20-14:35 | Shengnan Zhang Boosting the Flux pinning properties of Fe (Se, 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 ₂ As 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 NdFeAs(O,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 Fe(Se,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 |

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| | : Plenary talk |
| | : Invited talk |
| | : Contributed talk |