

8. Scientific Program

Note about the acronyms used to identify the sessions:

The first character (n) of the session codes always refers to the day:

1 = Monday, 2 = Tuesday, 3 = Wednesday, 4 = Thursday.

The last character (m) of the session codes always identifies the growing presentation number.

Plenary Sessions: nPLm

Talks: nX-YY-Zm

X → M = Morning, A = Afternoon;

YY → EL (Electronic), LS (Large Scale), MA (Materials), WT (Wires and Tapes), WL (joint session Wires and Tapes and Large Scale), SS (Special Session);

Z → I = Invited, O = Oral;

Poster: nP-YYp-m

P → Poster;

YY → EL (Electronic), LS (Large Scale), MA (Materials), WT (Wires and Tapes);

p is the growing number identifying the session.

[4M-MA1] Pinning and Flux Dynamics II Room Levante e Ponente ..	144
[4M-MA2] HTS Films and Multilayers II Room Maestrale	145
[4M-WT] BSCCO and Fe-based Wires Room Libeccio	146

8.4 Poster sessions

All poster sessions will take place in Module 7, 3rd floor (main poster hall) and in Module 8, 1st and 2nd floor, with the following schedule:

Monday September 16th from 14:15 to 15:45

[1P-EL1] Junction and Circuit Fabrication.....	15
[1P-EL2] Squid Design and Fabrication	18
[1P-EL3] Microwaves and THz Devices I	20
[1P-LS1] Power Transmission Lines	22
[1P-LS2] Power Devices I (motors, generators and smes).....	24
[1P-LS3] High Field, MRI and Innovative Magnets	27
[1P-LS4] Fusion	29
[1P-MA1] Fe-based Superconductors - Bulk I	30
[1P-MA2] Transport and Magnetic Properties	32
[1P-MA3] Pinning and Flux Dynamics I	35
[1P-MA4] Fe-based Superconductors Thin Films and Multilayers	37
[1P-WT1] MgB ₂	40
[1P-WT2] LTS	44
[1P-WT3] Coated Conductors I	45

Tuesday September 17th from 14:15 to 15:45

[2P-EL1] Biomedical Squid Applications	59
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[2P-EL2] Digital and Quantum Circuits and Systems	62
[2P-EL3] Detectors I.....	64
[2P-LS1] Fault Current Limiters I	67
[2P-LS2] Energy Systems (power transmission lines and energy applications)	69
[2P-LS3] Magnetic Levitation Bearings and Other Applications	71
[2P-LS4] Current Leads.....	73
[2P-MA1] Ac losses, Stability and Quench.....	74
[2P-MA2] HTS films and Multilayers I.....	75
[2P-MA3] Fe-based Superconductors - Bulk II.....	78
[2P-MA4] Other Bulk Materials including Novel Materials.....	81
[2P-MA5] Pinning and Flux Dynamics II.....	82
[2P-WT1] Modeling of Thermal, Electrical and Mechanical Properties	84
[2P-WT2] Thermal, Electrical and Mechanical Characterization.....	86
[2P-WT3] BSCCO and Fe-based Superconductors	89
[2P-WT4] Critical Current and Flux Pinning	90

Wednesday September 18th from 14:15 to 15:45

[3P-EL1] Other Squid Applications.....	105
[3P-EL2] Microwaves and THz Devices II	109
[3P-EL3] Detectors II.....	111
[3P-LS1] Fault Current Limiters II	113
[3P-LS2] Power Devices II (motors, generators and transformers)	115
[3P-LS3] Modeling	117
[3P-LS4] Accelerators	119

2P-EL3-03

High Linearity Voltage Response Parallel-Array Cell

Kornev V.¹, Kolotinskiy N.¹, Skripka V.¹, Sharafiev A.¹, Soloviev I.¹, Mukhanov O.²

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2P-EL3-04

Bi-SQUID Noise Characteristics

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2P-EL3-05

Superconducting nanowire single-photon detector base on the new optic cavity

Gu M.¹, Kang L.¹, Zhang L.¹, Jia X.¹, Tu X.¹, Jia T.¹, Yang X.¹, Zhao L.¹

¹Nanjing University - China

2P-EL3-06

Experimental Investigation of Hybrid Superconductor-Ferromagnet Multi-Terminal Devices

Prokopenko G.¹, Nevirkovets I.², Mukhanov O.¹, Chernyashevskyy O.², Ketterson J.²

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2P-EL3-07

Transient dynamics in driven long Josephson junctions

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2P-EL3-08

Mega-pixel Neutron Radiography with High Spatial Resolution by Current-Biased Kinetic Inductance Detectors of Nb with 10B Converter

Ishida T.¹, Yoshioka N.¹, Narukami Y.¹, Yagi I.¹, Kodama Y.¹, Shishido H.¹, Miyajima S.², Fujimaki A.²

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2P-EL3-09

Detection of X-ray photons by Niobium Josephson tunnel junction with trapped Abrikosov vortices

Lisitskiy M.P.¹, Camerlingo C.¹

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2P-EL3-10

Cooling method dependence of current-voltage characteristics for