

Swedish-Ukrainian workshop on science and technology of superconductivity

Monday, 26 October 2026

Plenary talks: SC accelerator technology - Häggsallen (09:00 - 10:30)

-Conveners: Mats Larsson

time	[id] title	presenter
09:00	[48] From non-equilibrium superconductivity in BCS to thin-film iron-based superconductors	Dr MIYAZAKI, Akira
09:30	[49] Characterization of SRF cavities at FREIA	ZHOVNER, Mykhailo SALÉN, Peter
10:00	[50] SC magnet development and testing at FREIA	Dr CUNEO, Davide SANTIAGO KERN, Rocio

Plenary talks: Theoretical aspects of SC - TBD (11:00 - 12:30)

-Conveners: Vitaliy Goryashko

time	[id] title	presenter
11:00	[27] Theory of superconductivity	Prof. GUSYNIN, Valerii
11:30	[28] Josephson junction ladders	Dr ZOLOTARYUK, Yaroslav
12:00	[29] Nonlinear wave phenomena in Josephson junctions	Dr STARODUB, Ivan

Plenary talks: Novel SC materials - Häggsallen (14:30 - 15:30)

time	[id] title	presenter
14:30	[51] Metallized DNA: from a macromolecule to a functional material	Prof. PEREPELYTSYA, Sergiy
15:00	[52] Polymers and macromolecules as novel SC materials	Prof. BRIZHIK, Larisa

Plenary talks: SRF technology - Häggsallen (15:45 - 17:15)

time	[id] title	presenter
15:45	[53] SRF cavities to detect high-frequency gravitational waves	Dr WENSKAT, Marc
16:15	[54] SRF coatings and thin-film technology	Dr PIRA, Cristian
16:45	[55] Thin-film technology at STFC	Dr WHEELHOUSE, Alan

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Plenary talks - Häggsallen (09:00 - 10:30)

time	[id] title	presenter
09:00	[56] Quantum computing and entanglement of multi-qubit states	Prof. GNATENKO, Khrystyna
09:30	[57] Electronic properties of Dirac and Weyl semimetals	Dr GORBAR, Eduard
10:00	[58] Pseudogap and "topological superconductivity" in high- T_c cuprates	Prof. KORDYUK, Alexander

Plenary talks - Häggsallen (11:00 - 12:30)

time	[id] title	presenter
11:00	[59] TBD	BACKLUND, Sven
11:30	[60] TBD	Prof. GRÅNÄS, Oscar
12:00	[61] TBD	GROUP, Annica's

Plenary talks - Häggsallen (13:30 - 15:30)

time	[id] title	presenter
13:30	[62] Magnon–fluxon interaction in a ferromagnet/superconductor heterostructure	Prof. VOVK, Ruslan
14:00	[63] Low-temperature kinetics of gases	Prof. SHEVCHENKO, Sergiy
14:30	[64] Low-temperature kinetics of gases	Prof. DOLBIN, Olexandr
15:00	[65] Many-body localization in a quantum gas with long-range interactions	Prof. SOTNIKOV, Andrii

Plenary talks - Häggsallen (16:00 - 18:00)

time	[id] title	presenter
16:00	[66] Next generation of SRF cavities	Prof. KUGELER, Oliver
16:30	[67] Growth and structural characterization of thin film coatings	Dr MAJOR, Márton