

A.A. Abrikosov Memorial Conference Program

25 JUNE, Monday

8.00. Registration

8.50. Vladimir Lebedev *Conference Opening*

9.00. Rudolf Hübener, Universität Tübingen

"The history of the Abrikosov vortex lattice and type-II superconductivity"

9.35. Peter Fulde, Max Planck Gesellschaft

"Wavefunctions for macroscopic electron systems"

10.10. Igor Burmistrov, Landau Institute

"Magnetic disorder in superconductors: Enhancement by mesoscopic fluctuations"

10.45. - 11.30. Coffee break

11.30. Mikhail Skvortsov, Skolkovo Institute of Science and Technology and Landau Institute

"Superconductivity in the presence of microwaves: Full phase diagram"

12.05. Gianni Blatter, ETH Zürich

"Strong pinning theory of vortices in superconductors"

12.40. - 14.30. Lunch

14.30. Kazuo Kadowaki, National Institute of Material Science, Tsukuba

"Plasma phenomena in superconductors and memory of Abrikosov in Japan"

15.05. Yakov Fominov, Landau Institute

"Cooper pair splitting in magnetic SQUIDS"

15.40. - 16.00. Coffee break

16.00. Veniamin Kozub, Ioffe Institute, Saint-Petersburg

"Thermoelectric effects in superconductors"

16.35. Sergei Mukhin, MISIS, Moscow

"Dipolar quantum phase transition in the Dicke model with infinitely coordinated frustrating interaction"

17.30. - 19.30. Welcome Party

26 JUNE, Tuesday

9.00. Dai Aoki, Tohoku University

"Tuning ferromagnetic fluctuations and Fermi surface instabilities in ferromagnetic superconductors"

9.35. Kenji Ishida, Kyoto University

"Ferromagnetic fluctuations and superconductivity in ferromagnetic superconductor UCoGe"

10.10. Vladimir Mineev, Commissariat a l'Energie Atomique Grenoble and Landau Institute

"Theory of type-II superconductivity in ferromagnetic metals with triplet pairing"

10.45. - 11.30 Coffee break

11.30. Alexander Andreev, Kapitza Institute

"Thermodynamics of the surface of He-4 crystals"

12.05. David Saykin, Moscow Institute of Physics and Technology

"Landau levels and magnetic tunneling in Weyl semimetals and magnetoconductance of ballistic junctions "

12.40. - 14.30. Lunch

14.30. Pavel Grigoriev, Landau Institute

"Conductivity of anisotropic inhomogeneous superconductors above critical temperature"

15.05. Igor Fomin, Kapitza Institute

"Anderson theorem for the polar phase of liquid He-3 in nematic aerogel"

15.40.-16.10. Coffee break

16.00. Igor Poboiko, Skolkovo Institute of Science and Technology

"Paraconductivity of pseudogapped superconductors"

16.35. Pavel Kurilovich, Moscow Institute of Physics and Technology

"Helical edge transport in the presence of magnetic impurities"

17.10. Ivan Bozovich, Yale University

"Cracking the enigma of high T_c superconductivity in cuprates - one atomic layer at a time"

27 JUNE, Wednesday

9.00. Alexandre Buzdin, Universitet Bordeaux-I

"Vortex attraction"

9.35. Itsuhiro Kakeya, Kyoto University

"Evolution of collective intrinsic Josephson phenomena in cuprate superconductors"

10.10. Morton Eskildsen, University of Notre Dame

"Vortices as probes of unconventional superconductivity in UPt_3 "

10.45. - 11.30. Coffee break

11.30. Mikhail Feigelman, Landau Institute

"Low temperature anomaly in disordered superconductors near B_{c2} "

12.05. Lev Vinnikov, Institute of Solid State Physics, Chernogolovka

"Observation of Abrikosov lattice in novel superconductors"

12.40. - 14.30. Lunch

14.30. Hermann Suderow, N. Cabrera Institute Universidad Autonoma de Madrid

"Bound states of vortices and magnetic impurities in superconductors"

15.05. Daniel Agterberg, University of Wisconsin-Madison

"Topologically protected Bogolubov-Fermi surfaces"

15.40 - 16.00. Coffee break

16.00. Goran Karapetrov, Drexel University

"Vizualization of the behavior of Abrikosov vortices using Scanning Tunneling Spectroscopy"

16.35. Vadim Geshkenbein, ETH Zürich

"Vortex in the maze"

17.10. Jovan Mirkovic, University of Montenegro

"Crossing and tilted vortex phases in $Bi_2Sr_2CaCu_2O_{8+d}$ single crystals"

18.00 Conference Dinner

28 JUNE, Thursday

9.00. Boris Lukyanchuk, Nanyang Technological University Singapore and Moscow State University

"Optically resonant superstructure"

9.35. Grigorii Volovik, Lounasmaa Laboratory Aalto University and Landau Institute

"Abrikosov-Beneslavskii-Herring monopole in condensed matter universe"

10.10. Daniil Antonenko, Skolkovo Institute of Science and Technology

"Density of states in 3D interacting metals: ballistic effects"

10.45 - 11.30 Coffee break

11.30. Alexander Finkelstein, Texas A and M University

"Flexural phonons in supported graphene: from pinning to localization"

12.05. Igor Abrikosov, Linköping University Sweden and MISIS Moscow

"First principle theory of extreme conditions"

12.40 - 14.30. Lunch

14.30. Alexander Melnikov, Institute for Physics of Microstructures, Nizhny Novgorod

"Magnetic field effect on quasiparticle dynamics in hybrid superconducting turnstiles"

15.05. Boris Spivak, University of Washington

"Magnetoenhancement of superconductivity in composite d-wave superconductors"

Conference Closure