

SCHEDULE OF SYMPOSIUM «PERSPECTIVES ON HIGH-TEMPERATURE SUPERCONDUCTIVITY»

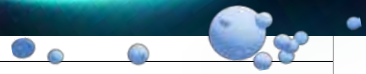
23-25 october, Skoltech, room 303

23 October, Monday

08:30 – 09:00	Bus transfer from Tien-Shan hotel to Skoltech	
9:00 - 9:30	Registration and opening	
9:30 - 11:00	SESSION 1 / Chair: N. Gedik	
	9:30 - 10:00	J. E. Hoffman, Doping-dependence of charge-density-wave order in Bi-2201
	10:00 - 10:30	S. Sebastian, TBD
	10:30 - 11:00	S. Rajasekaran, Probing Optically Silent Superfluid Stripes in Cuprates
11:00 - 11:30	Coffee Break	
11:30 - 13:00	SESSION 2 / Chair: D. Pavuna	
	11:30 - 12:00	A. Bianconi, Competing nanoscale electronic inhomogeneities driven by i) short range CDW, ii) dopants, iii) strain: the roadmap for controlling the emergence of high temperature quantum coherence in complex out of equilibrium materials (SKYPE)
	12:00 - 12:30	D. Reznik, Electron-Phonon Interaction in Copper Oxide Superconductors
	12:30 - 13:00	S. G. Ovchinnikov, Factors supporting d-pairing and high T _c in cuprates
13:00 - 14:00	Lunch	
14:00 - 15:30	SESSION 3 / Chair: J. Haase	
	14:00 - 14:30	S. Hayden, Spin and charge-density-wave fluctuations in cuprates
	14:30 - 14:45	P. E. Dolgirev, Pseudogap and Fermi surface in the presence of a spin-vortex checkerboard for 1/8-doped lanthanum cuprates
	14:45 - 15:00	O. Lychkovskiy, Insights into spin excitation spectrum of high-temperature cuprate superconductors from finite cluster simulations
	15:00 - 15:30	R. Comin, Resonant scattering studies of charge order in quantum solids (SKYPE)
15:30 - 16:00	Coffee Break	
16:00 - 17:30	SESSION 4 / Chair: H. Ding	
	16:00 - 16:30	E. Demler, Holographic maps of quasiparticle interference (SKYPE)
	16:30 - 17:00	Ch. Varma, Topological quantum critical fluctuations in cuprates and in Fe-based high temperature superconductors
	17:00 - 17:30	K. B. Efetov, Charge and Current Modulations in a Spin-Fermion model with overlapping hotspots and physics of cuprates
17:30 - 19:00	Welcome Party/Session commemorating V. L. Ginsburg (V. M. Pudalov/ D. Pavuna)	
19:00 – 19:30	Bus transfer from Skoltech to Tien-Shan hotel	

24 October, Tuesday

09:00 – 09:30	Bus transfer from Tien-Shan hotel to Skoltech	
9:30 - 11:00	SESSION 5 / Chair: B. V. Fine	
	9:30 - 10:00	D. Pavuna, Quantum Nano-Engineering of Highest-T _c Superconductivity
	10:00 - 10:30	M. I. Eremets, High temperature conventional superconductivity
	10:30 - 11:00	E. V. Antipov, T _c -enhancement in Fe _{1+δ} Se by electrochemical lithium intercalation



11:00 - 11:30	Coffee Break	
11:30 - 13:00	SESSION 6 / Chair: S. G. Ovchinnikov	
	11:30 - 12:00	I. M. Eremin, Cooper-pairing with small Fermi energies in multiband superconductors: BCS-BEC crossover and time-reversal symmetry broken state
	12:00 - 12:30	M. M. Korshunov, Role of disorder in superconductivity of Fe-based systems
	12:30 - 13:00	T. E. Kuzmicheva, Multiple Andreev Reflection Effect Spectroscopy of Iron-Based Superconductors
13:00 - 14:00	Lunch	
14:00 - 15:30	Session 7 / Chair: Ch. Varma	
	14:00 - 14:30	J. Haase, Emergence of a new interpretation of NMR of cuprates superconductors
	14:30 - 15:00	A. Keren, Is magnetism relevant to cuprate superconductivity: lanthanides versus charge compensated 123-materials?
	15:00 - 15:30	G. B. Teitelbaum, The interplay of holes and electrons in the superconducting cuprates
15:30 - 16:00	Coffee Break	
16:00 - 17:30	SESSION 8 / Chair: S. Hayden	
	16:00 - 16:30	A. P. Malozemoff, Superconductor Applications in the Electric Power Grid
	16:30 - 17:00	A. Molodyk, Production of 2G HTS wire and development of HTS devices at SuperOx
	17:00 - 17:30	K. Pervakov, Perspective applications of iron-based superconductors
17:30 - 18:00	Bus transfer from Skoltech to Tien-Shan hotel	
25 October, Wednesday		
09:00 - 09:30	Bus transfer from Tien-Shan hotel to Skoltech	
9:30 - 11:00	SESSION 9 / Chair: G. B. Teitelbaum	
	9:30 - 10:00	Hong Ding's, Emergent fermions in solid state "universe"
	10:00 - 10:30	A. Kogar, Amplitude and Phase Dynamics in a Photoinduced Charge Density Wave Transition
	10:30 - 11:00	A. Hayat, High-Tc Superconductor-Semiconductor Devices
11:00 - 11:30	Coffee Break	
11:30 - 13:00	SESSION 10 / Chair: A. Katanin	
	11:30 - 12:00	A. S. Moskvina, Topological structures in a model cuprate
	12:00 - 12:30	S. I. Mukhin, Eliashberg equations with pairing boson induced by antiferromagnetic 'hidden order' in cuprates
	12:30 - 12:45	A. Krikun, Doping the holographic Mott insulator
	12:45 - 13:00	D. V. Semak, Actinide hydrides as perspective high-temperature superconductors
13:00 - 14:00	Lunch	
14:00 - 14:30	Excursion through Skolkovo Innovation Center	
14:30 - 15:30	Transfer to Tien-Shan hotel + free time	
15:30 - 17:30	Bus excursion through Moscow	
17:30 - 19:30	Free time in Moscow downtown	
19:30 - 22:30	Symposium dinner	
22:30	Bus transfer to Tien-Shan hotel	