

PROGRAMME

June 27, Sunday
18:00 - 19:00 Registration
19:00 – 21:00 Welcome Reception

June 28, Monday	
8:45 - 9:00 Opening and Welcome	
a.m. Session: Hot topics I	
9:00 – 9:30	P. Woelfle: Nonequilibrium transport through quantum dots in the Kondo regime
9:30 – 10:00	Y. Avishai: Kondo effect in systems with dynamical symmetries
10:00 – 10:30	H.Pothier: Interactions in metallic wires at low temperature
10:30 – 11:00	<i>Coffee break</i>
a.m. Session: Hot topics I (Continued)	
11:00 – 11:30	Y.Alhassid: Signatures of exchange interaction and spin-orbit scattering in chaotic Coulomb-blockade quantum dots
11:30 – 12:00	F. Von Oppen: Discrete charging of “quantum dots” strongly coupled to external leads
12:00 – 2:00	<i>Lunch</i>
2:00 – 3:00	Discussion
p.m. session: Transport in nanoscale systems 1	
3:00 – 3:30	J.Chalker: Interactions and transport between coupled quantum Hall edge states
3:30 – 4:00	K.Matveev: Conductance of a quantum wire in the Wigner Crystal regime
4:00 – 4:30	<i>Coffee break</i>
4:30 – 5:00	F.Hekking: Thermal transport in granular metals
5:00 – 5:30	A.Schiller: Coulomb blockade and non-Fermi liquid behavior in a double-dot device
5:30 – 6:00	Y.Oreg: Charge oscillations in Quantum Dots
June 29, Tuesday	
a.m. Session: Spin transport and spintronics	
9:00 – 9:30	A.McDonald: Spin Transfer Phenomena in Metals,

	Semiconductors, and Quantum Hall Systems
9:30 – 10:00	R.Shekhter: Resonant tunnelling of spin-polarized electrons
10:00 – 10:30	T.Ihn: Spin Effects in Quantum Rings
10:30 – 11:00	<i>Coffee break</i>
11:00 – 11:30	B. van Wees: Spin injection, spin transport and spin manipulation in hybrid mesoscopic metallic
11:30 – 12:00	V. V. Ponomarenko: Large Anti-dot tunneling between Quantum Hall states of different filling factors.
12:00 – 2:00	<i>Lunch</i>
2:00 – 3:00	Discussion
p.m. Session: Coherence and correlations in nanostructures	
3.00 --3.30	D.Prober: Measurements of non-Gaussian statistics at finite frequency in noise of mesoscopic systems
3.30 – 4.00	Y.Gefen: Kinetic theory of fluctuations in conducting systems
4.00 -- 4.30	<i>Coffee break</i>
4.30 – 5.00	E.Sukhorukov: Fluctuation statistics in networks: a stokhastic path integral approach
5.00 – 5.30	M.Büttiker: Orbital entanglement and violation of Bell unequalities in mesoscopic conductors
June 30, Wednesday	
a.m. Session: Transport in nanoscale systems 2	
9:00 – 9:30	V.Gurevich: Magnetophonon resonance in quantum wells and the role of scattering
9:30 – 10:00	Ya. Blanter: Decoherence in conductance fluctuations
10:00 – 10.30	Y.Makhlin: Dissipative dynamics of two-level quantum systems at optimal points
10:30 – 11:00	<i>Coffee break</i>
11:00 – 11:30	A.Mirlin: Coloumb drag in high Landau levels
11:30 – 12:00	B.Spivak: Drag effect in double layer electron system
12:00 – 1:30	Lunch
2:00 p.m. Bus departure for excursion	
3:30 p.m. Excursion to Hermitage	
6:00 p.m.	CONFERENCE DINNER
July 1, Thursday	

a.m. Session: Superconducting nanostructures	
9:00 – 9:30	A.Mel'nikov: Quasiparticle spectrum of a superconducting quantum point contact in a magnetic field
9:30 – 10:00	V.Ryazanov: Critical currents and current-phase relation of S-F-S Josephson junctions
10:00 – 10:30	A.Lopatin: Fluctuation conductivity of thin films and nanowires near a parallel-field-tuned superconducting quantum phase transition
10:30 – 11:00	<i>Coffee break</i>
a.m. Session: Phase transitions	
11:00 – 11:30	A.Tsvelik: Possible Mott Insulating states in Armchair Carbon Nanotubes
11:30 – 12:00	V.M.Pudalov: Phase separation effects on the border between superconducting, SDW and metallic states in organic 1D system
12:00 – 2:00	<i>Lunch</i>
2:00 – 3:00	Discussion
p.m. Session: Noise and fluctuations in nanostructures	
3:00 – 3:30	Yu.M.Galperin: Low frequency noise as a source of dephasing of a qubit
3:30 – 4:00	O.Entin-Wohlman: to be announced
4:00 – 4:30	<i>Coffee break</i>
4:30 – 5:00	S. Scheidl: Noisy Landau-Zener transitions
5:00 – 5:30	F.Pistolesi: Full counting statistics of a charge shuttle
July 2, Friday	
a.m. Session: Hot topics II	
9:00—9:30	I.Beloborodov: Transport Properties of Granular Metals
9:30 – 10:00	V.Gantmakher: Metal-insulator transition as a particular case of quantum phase transitions
10:00—10:30	D.Polyakov: Interacting electrons in disordered quantum wires: dephasing and low-temperature transport
10.30 – 11:00	<i>Coffee break</i>
11:00 – 11:30	N.Kopnin: Vortex instability and the onset of superfluid turbulence
11:30 – 12:00	M.Pustilnik: To be announced
12:00 – 12:15	Concluding remarks
12:30 – 2:00	Lunch
DEPARTURE	

