School and Conference Timetable

Saturday		Sunday		Monday			Tuesday		Wednesday	
8:00	Breakfast	8:00	Breakfast	8:00	Breakfast	8:00	Breakfast	8:00	Breakfast	
	T Brandes	9:00	Y Blanter	9:00	Y Tserkovnyak	9:00	H Courtois	9:00	J Chalker	
9:00				9:30	K Arutyunov	9:30	R Mélin	9:30	S Roddaro	
						9:50	I Sosnin	9:50	İ Adagideli	
10:00	Coffee	10:00	Coffee	10:00	J Smet	10:10	D Sánchez	10:10	B Nikolić	
10:20	V D1 1		W D . I .	10:30	Coffee	10:30	Coffee	10:30	Coffee	
10:30	Y Blanter	10:30	W Belzig	11:00	A Brataas	11:00	R Aguado	11:00	S Dorozhkin	
11:30	Break	11:30	Break	11:30	C Marrows	11:30	Y Nazarov	11:30	M Potemski	
40.00	W Dalein	44.45	F. O. J. b J	12:00	V Dupuis	12:00	P Delsing	12:00	M Grayson	
12:00	W Belzig	11:45	E Sukhorukov	12:30 -12:50	M Zareyan	12:30 -12:50	J Cserti	12:30	B Altshuler	
13:00	Lunch		Lunch	13:00	Lunch	13:00	13:00 Lunch	Lunch	13:00	Lunch
			R Leturcq					14:00	Bus departure	
14:30	T Brandes	14:30	F Hekking	14:30	M Blencowe	14:30	P Michler			
		15:00	L DiCarlo	15:00	A Donarini	15:00	C Tejedor			
15:30	Coffee	15:20	A Braggio	15:20	D Rodrigues	15:30				
10.00		15:40	T Novotny	15:40	A Bykov		A Vagov			
16:00	E Sukhorukov	E Sukhorukov	16:00	Coffee	16:00	Coffee	16:00	Coffee		
10.00			16:30 T Brandes	T Brandes	16:30	T Ando	16:30	P Kim		
17:00	Break	17:00	G Falci	17:00	F Guinea	17:00	E McCann			
	Discussion	17:30	C Bruder	17:30	A Geim	17:30	P Esquinazi			
17:30		18:00 -18:20	A Morpurgo	18:00	B Simons	18:00 -18:20	L Brey			
		18:30	Posters up	18:30 -19:30	Poster session	18:30 -19:30	Poster session			
19:30	Dinner	19:30	Welcome Party	20:00	Dinner	20:00	Dinner			

Program – School on Counting Statistics

Saturday 7th January

8:00-8:45 Breakfast (Langdales Restaurant)

Conference Centre

MR1 Morning Session (Chair: Henning Schomerus)

9:00-10:00	Tobias Brandes Photoelectron counting in quantum optics I
10:00-10:30	Coffee
10:30-11:30	Yaroslav Blanter Shot noise in nanostructures I
11:30-12:00	Break
12:00-13:00	Wolfgang Belzig Full counting statistics in mesoscopic electronics I
13:00-14:30	Lunch (Foyer)

MR1 Afternoon Session (Chair: Edward McCann)

14:30-15:30	Tobias Brandes Photoelectron counting in quantum optics II
15:30-16:00	Coffee
16:00-17:00	Eugene Sukhorukov Stochastic path integral approach to counting statistics I
17:30-19:00	Discussion
19:30-21:00	Dinner (Langdales Restaurant)

Sunday 8th January

8:00-8:45 **Breakfast (Langdales Restaurant)**

Conference Centre

MR1 Morning Session (Chair: Rámon Aguado)

9:00-10:00	Yaroslav Blanter Shot noise in nanostructures II
10:00-10:30	Coffee
10:30-11:30	Wolfgang Belzig Full counting statistics in mesoscopic electronics II
11:30-11:45	Break
11:45-12:45	Eugene Sukhorukov Stochastic path integral approach to counting statistics II
12:45-14:00	Lunch (Foyer)

Program – International Conference Nanoelectronics 2006

Sunday 8th January

Conference Centre

MR1 Noise and Counting Statistics I (Chair: Wolfgang Belzig)

14:00-14:30	Renaud Leturcq Counting statistics of single electron transport in a quantum dot	
14:30-15:00	Frank Hekking Finite frequency quantum noise in an interacting mesoscopic conductor	
15:00-15:20	Leonardo DiCarlo Shot Noise of a Quantum Point Contact in a Magnetic Field	
15:20-15:40	Alessandro Braggio Full Counting Statistics & Non-Markovian Effect in Strongly Interacting Systems	
15:40-16:00	Tomas Novotny Charge transport statistics of quantum shuttles	
16:00-16:30	Coffee (Foyer)	
MR1 Noise and Counting Statistics II (Chair: Elisabetta Paladino)		
16:30 17:00	Tohias Brandes	

16:30-17:00	Tobias Brandes Coherence and noise in transport through coupled quantum dots
17:00-17:30	Guiseppe Falci Adiabatic passage in superconducting nanocircuits
17:30-18:00	Christoph Bruder Current cross-correlations in mesoscopic devices
18:00-18:20	Alberto Morpurgo Non-local Andreev reflection: experimental observation and relevance for entangler devices
18:30-19:30	Posters up (MR1)

Barker House Farm

19:30-21:30 Dinner/Welcome party with barrels of local beer

Monday 9th January

Breakfast (Langdales Restaurant)			
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n Transport I (Chair: John Chalker)			
Yaroslav Tserkovnyak Momentum-resolved tunneling into a short cleaved-edge wire			
Konstantin Arutyunov Quantum size phenomena in ultra-narrow 1D nanowires			
Jurgen Smet Polarization dependence and local probe studies of the microwave induced zero resistance in the two dimensional electron system			
Coffee (Foyer)			
tructures I (Chair: Gerrit Bauer)			
Arne Brataas Magnetoelectronic Circuits: Torque, Pumping, and Noise			
Chris Marrows Spin polarisation at finite temperature			
Véronique Dupuis Single magnetic clusters embedded in matrix			
Malek Zareyan Shot noise in magnetoelectronic structures			
Lunch (Foyer)			
MR2 Quantum Dynamics (Chair: Christoph Bruder)			
Miles Blencowe Cooper-Pair Molasses: Cooling a Nanomechanical Resonator with Quantum Back-Action			
Andrea Donarini Electromechanical properties of a biphenyl transistor			
Denzil Rodrigues The SET Resonator: Quantum Master Equations			
Alexey Bykov Effect of DC and AC excitations on the magnetoresistance in high-density high-mobility GaAs quantum well systems			
Coffee (Foyer)			
MR2 Graphene and Graphite I (Chair: Pablo Esquinazi)			
Tsuneya Ando Exotic transport properties of two-dimensional graphite			
Francisco Guinea Interaction effects, disorder, and transport in graphene layers			
Andre Geim QED in a Pencil Trace			
Ben Simons Electronic Structure of the Superconducting Graphite Intercalates			
Poster session I (MR1)			
Dinner (Langdales Restaurant)			

Tuesday 10th January

8:00-8:45	Breakfast (Langdales Restaurant)				
Conference C	Conference Centre				
MR2 Hybrid S	Structures II (Chair: Alberto Morpurgo)				
9:00-9:30	Hervé Courtois Local spectroscopy of superconducting hybrid nanostructures				
9:30-9:50	Regis Mélin Non local transport at FS and NS double interfaces				
9:50-10:10	Igor Sosnin Superconducting proximity effect in conical ferromagnets				
10:10-10:30	David Sánchez Magnetic-field asymmetry in nonlinear mesoscopic transport				
10:30-11:00	Coffee (Foyer)				
MR2 Quantur	n Transport II (Chair: Angus McKinnon)				
11:00-11:30	Rámon Aguado SU(4) Kondo effect in Carbon Nanotubes				
11:30-12:00	Yuli Nazarov G_q corrections in circuit theory of Quantum Transport				
12:00-12:30	Per Delsing Current measurement by counting of single electrons				
12:30-12:50	József Cserti Rashba Billiards				
13:00-14:30	Lunch (Foyer)				
MR2 Mesosco	opic Quantum Optics (Chair: Tobias Brandes)				
14:30-15:00	Peter Michler Photon correlation measurements on semiconductor nanostructures				
15:00-15:30	Carlos Tejedor Quantum optics with quantum dots in microcavities: photon pairs emission				
15:30-16:00	Alexei Vagov Ultra-fast dynamics of optically excited quantum dots				
16:00-16:30	Coffee (Foyer)				
MR2 Graphite	e and Graphene II (Chair: Tsuneya Ando)				
16:30-17:00	Philip Kim Unusual Transport Properties in Carbon Based Low Dimensional Materials: Nanotubes and Graphene				
17:00-17:30	Edward McCann Landau level degeneracy and quantum Hall effect in a graphite bilayer				
17:30-18:00	Pablo Esquinazi Magnetic order in carbon structures				
18:00-18:20	Luis Brey Quantum Hall Effect and Edge States in Graphene				
18:30-19:30	Poster session II (MR1)				

Dinner (INFOLAB café)

20:00-21:30

Wednesday 11th January

8:00-8:45 Breakfast (Langdales Restaurant)

Conference Centre

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9:00-9:30	John Chalker Electron Interactions and Transport Between Coupled Quantum Hall Edge States
9.30-9:50	Stefano Roddaro Non-linear transport and particle-hole symmetry in a quantum Hall device
9:50-10:10	İnanç Adagideli Intrinsic Spin Hall Edges
10:10-10:30	Branislav Nikolić Mesoscopic spin Hall effect in multiterminal spin-orbit coupled nanostructures: Local spin densities, total pure spin currents, and their shot noise

10:30-11:00 **Coffee (Foyer)**

MR2 Quantum Hall Effect and Transport II (Chair: Henning Schomerus)

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11:00-11:30	Sergey Dorozhkin Interplay of inter and intra-Landau-level transitions in microwave photoresponse of two-dimensional electron systems				
11:30-12:00	Marek Potemski Quasi-excitons and fractionally charged excitons in the vicinity of the ν =1/3 fractional quantum Hall state				
12:00-12:30	Matthew Grayson Bending the quantum Hall effect: Novel metallic and insulating states in one dimension				
12:30-13:00	Boris Altshuler Dephasing without Heating: New Experiments and Old Theory				
13:00-13:45	Lunch (Foyer)				

Poster Presentations

P1	Babak Abdollahi Pour Spin-polarized shot noise in diffusive spin-valve systems with non-collinear magnetizations
P2	Ilias Amanatidis and Steven Bailey Carbon nanotube electron turbines: a novel design for man-made nano-motors
P3	Alistair Armstrong-Brown Observation of multiple soliton-like modes in the quantum Hall edge dynamics
P4	Sophie Avesque Correlations vs impurities: or how to go from fractions to integers in the quantum Hall effect
P5	Christian Flindt FCS of NEMS
P6	Heidi Förster Full counting statistics for voltage and dephasing probes in a Mach-Zehnder interferometer
P7	Mihai Gabureac Spin-polarized transport in atomic-size ferromagnetic constrictions
P8	lain Grace Electron Transport in Molecular Wires
P9	Alexander Grishin Low Temperature Decoherence in Josephson Junction Qubits
P10	Fabian Hassler Using Qubits for Measuring Fidelity in Mesoscopic Systems
P11	Christopher Hooley To Be Announced
P12	Babak Hosseinkhani Magnetization Dynamics and Spin Pumping in Ferromagnetic Nanoclusters
P13	Daniel Huertas-Hernando Spin and interactions in chaotic quantum dots
P14	Anna Kauch Local momentum approach to multiorbital single impurity Anderson model with applications to transport in quantum dots
P15	Pengshun Luo Transport properties of Superconductor/Ferromagnet hybrid structures
P16	Mohammad Ali Maleki Superconducting proximity effect in ferromagnetic domain structures
P17	Ghadir Mohammadkhani Non-sinusoidal current-phase relations in diffusive ferromagnetic Josephson junctions
P18	Jan Petter Morten Spin transport in superconductors
P19	Marcin Mucha-Kruczyński Electronic bands of a graphite bilayer – comparison of AB and AA stacking
P20	Kostantin Novoselov Electric Field Effect in Thin Graphitic Films

P21 Elisabetta Paladino

Decoherence and decoupling in superconducting nanocircuits

P22 Theodoros Papadopoulos

Symmetry Breaking in Molecular Wires

P23 Cyril Petitjean

Dynamically induced entanglement and decoherence. (The quantum to classical crossover)

P24 Peter Polinak

Andreev Drag Effect via Magnetic Quasiparticle Focusing in SN Hybrid Waveguides

P25 Alessandro Potenza

Superconducting critical temperature dependence on the layer sequence in Nb/Pd bilayers

P26 John P. Robinson

Geometrical oscillations in the SAW induced acousto-electric effect

P27 Stanislas Rohart

Magnetic anisotropy of mixed Co based clusters embedded in matrix

P28 Adam Rycerz

Entanglement and transport through correlated quantum dot

P29 Valentin Rytchkov

Quantum versus classical division of current fluctuations

P30 Ken-ichi Sasaki

Stabilization mechanism of edge states in graphene

P31 Skon Sirichantaropass

Even-Odd Effects in Monovalent Atomic Chains

P32 Janine Splettstößer

A diagrammatic approach to adiabatic pumping

P33 Tihomir Tenev

Modeling spin resolved transport through InSb quantum well

P34 Oleksandr Tsyplyatyev

Spin current generated by a thermal flow, magnetothermopower and magnetoresistance in metals embedded with magnetic nanosclusters

P35 Daniel Urban

Spin-dependent transport through quantum dots connected to three ferromagnetic leads

P36 Jing Zou

Variable-polarization source of spin-polarized current