

**College on Physics of Nano-Devices  
(10 - 21 July 2006) ICTP - Trieste, Italy**

**POSTER PRESENTATION ORDER - TALKS**

<b>Nr.</b>	<b>SURNAME</b>	<b>NAME</b>	<b>POSTER TITLE</b>
<b>1</b>	ABEDINPOUR	Saeed	Density-functional theory of interacting electrons in "short" quantum wires
<b>2</b>	ABERGEL	David	Electron-Optical Phonon Interaction in Semiconductor Quantum Wells Mediated by Spin-orbit Coupling
<b>3</b>	ADAM	Shaffique	Mesoscopic anisotropic magnetoconductance fluctuations in ferromagnets
<b>4</b>	ADAMES RINCON	Miguel A.	Polaron states in self-assembled quantum dot molecules
<b>5</b>	ASATRYAN	Anna	Hot electron energy relaxation in quantum wires: Role of phonon confinement and Non-equilibrium phonon population
<b>6</b>	ASGARI TOKALDANI	Asghar	Physics of carrier-transport mechanisms for theoretical modeling of nanometer AlGaIn/GaN Heterostructure field effect transistors
<b>7</b>	BENNETT	Steven	Shot noise and strong feedback effects in nanoelectromechanical systems
<b>8</b>	BERKDEMIR	Cuneyt	First Principles Calculations on various hexagonally shaped Si nanowires
<b>9</b>	BITTON	Liora	Controllable Metallic Quantum Dot
<b>10</b>	BRAUN	Matthias	Probing Spin Precession by Noise Spectroscopy
<b>11</b>	BRIA	Driss	Interface optical modes in finite lamellaire structure containing left handed material
<b>12</b>	CASSIA-MOURA	Rita	Modeling the memory effect on nanobiodevices
<b>13</b>	CHAKRAVERTY	Suvankar	Nano magnets – a protocol for creating magnetic memory
<b>14</b>	CHENG	Wei	Raman Spectra and Interface Modes of Germanium Layers in Silicon Nanocrystals
<b>15</b>	CHERAGHCHI	Hossein	Scaling properties of the one-dimensional off-diagonal disorder
<b>16</b>	CHIN	Alex	Coherent-incoherent transition in the sub-Ohmic spin-boson model
<b>17</b>	CHUDNOVSKIY	Alexander	1) SU(4) versus SU(2) Kondo effect in double quantum dot
<b>18</b>	CHUDNOVSKIY	Alexander	2) Phononless inelastic transport through a disordered array of quantum wires
<b>19</b>	DAI	Zhenxiang	Effects of the Electrode Structure on the Transport Properties of Ge7 Cluster
<b>20</b>	DAS	Sourin	In search of conformally invariant boundary conditions at Junctions of quantum wires
<b>21</b>	DOLZ	Maira	Melting transition in mesoscopic superconducting high Tc samples
<b>22</b>	FERNANDEZ RIVAS	Daniel	Multiphase Fluid Modelling at the Microscale: Liquid-Liquid Slug Flow Hydrodynamic
<b>23</b>	GUERRERO MORENO	Roberto	Dynamical effects of the anisotropy, due to Spin – Orbit coupling, on the operation of the (swap) quantum gate
<b>24</b>	ISMAIL	Abu Bakar	Proposal of a novel light-addressable potentiometric sensor using twophoton-induced photocurrent in nano-porous silicon heterostructure
<b>25</b>	JABEEN	Fauzia	Growth and characterization of Mn-catalyzed GaAs nanowires by MBE
<b>26</b>			---- VOID ----
<b>27</b>	KALMAN	Orsolya	Spintronic analogue of the Stern-Gerlach device

Nr.	SURNAME	NAME	POSTER TITLE
28	KASHUBA	Oleksiy	Critical current and $0-\pi$ transition in SFS junction.
29	KECHEDZHI	Kostyantyn	Carrier chirality and weak localisation in graphene
30	KUPFERSCHMIDT	Joern Niklas	Magnetization dynamics in a driven nanopillar
31	LEVCHENKO	Alexander A.	Singular length dependence of critical current in SNS bridges
32	LI	Da	Electronic transport properties of NbC(C)-C nanocomposites
33	LOBOS	Alejandro	1) Conductance through an array of quantum dots
34	LOBOS	Alejandro	2) Many-body and confinement effects on mirages in quantum corrals
35	LUTCHYN	Roman M.	Kinetics of a Superconducting Charge Qubit in the Presence of a Quasiparticle
36	MUKHOPADHYAY	Soumik	Inversion of magnetoresistance in spin-polarized tunneling devices
37	NAMIRANIAN	Afshin	Quantum Interference and Negative Differential Conductance in Metallic Single Wall Carbon Nanotubes
38	NOSSA MARQUEZ	Javier	Quantum dots arrays
39	OSSIPOV	Alexander	How spin-orbit interaction can cause electronic shot noise
40	PINHEIRO	Felipe	Adiabatic Pumping through Interacting Quantum Dots in the Coulomb Blockade Regime
41	RAMIREZ GOMEZ	Hanz Yecid	Electron Dynamics In Rectangular Quantum Dots
42	REYNOSO	Andres	1) Transverse electron focusing in 2DEGs: SPM imaging techniques and the effect of Rashba and Dresselhaus spin-orbit interactions.
43	REYNOSO	Andres	2) Spin Hall effect: Current induced spin polarization in two dimensional electron gases with Rashba spin-orbit coupling
44	RUFEIL FIORI	Elena	Survival probability of a local excitation in a non-Markovian environment: Return effects and Survival Collapse
45	SELLAMI	Karim	Exciton-Phonon Interaction in CdSe Quantum Dots: Quantum Dot Size and Magnetic Field Effects.
46	SHA	Jian	Synthesis and Raman spectra of Si-nanowires
47	URBAN	Daniel	Full Counting Statistics of an Aharonov-Bohm Interferometer with an embedded Quantum Dot
48	VAN TRAN	Thi Thanh	Quantum computers with coupled quantum dots
49	WANG	RuZhi	Notable structural enhancement effect of field emission from nano-multilayer semiconductor films
50	WEISS	Yuval	Influence of e-e interactions on the localization length of disordered quantum wires
51	YAP	Seong Shan	Lateral Formation of Carbon Nanostructures in Pulsed Laser Ablation of Graphite
52	ZAREYAN	Malek	Shot noise of charge and spin in ferromagnetic spin-valves
53	SHUKLA	Pragya	Level-Statistics of Disordered Systems: A Single Parametric Formulation
54	SHUKLA	Pragya	Multi-Channel Transport in Disordered Medium under Generic Scattering Conditions
55	HADEED	Farouk	Nanowires and Nanogaps For Molecular Electronics
56	VENKATACHALAM	Suresh K.	Growth and Characterisation of Manganese Doped Gallium Nitride Nano Structures
57	BALDEA	Ioan	Hidden quasi-symmetry in optical absorption of quantum dot nanorings
58	JOSHI	Kavita	1) Magic Melters Have Geometric Origin
59	JOSHI	Kavita	2) Impurity effects on confined electron systems