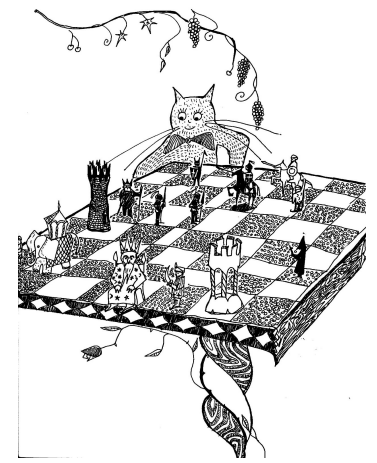




The March MIFP Meeting 2011

March 16-20, 2011 - Marino (Roma), Italy



Program

16.03.2011 — Arrival and registration of the participants at the Grand Hotel Helio Cabala

17.03.2011		Speaker	Title of lecture
09:00	09:30	Alexey Kavokin	«What is MIFP?»
09:30	10:00	Altshuler Boris	«Two-dimensional Superconductors in Insulating State»
10:00	10:30	Vinokur Valerii	«Superinsulation-Superconductivity duality»
10:30	11:00	Coffee Break	
11:00	11:30	Lukyanchuk Igor	«Symmetry underground of the Metal-Insulator phase transition in Vanadium Dioxide»
11:30	12:00	Varlamov Andrey	«Nernst-Ettingshausen effect in classically strong magnetic fields»
12:00	12:30	Chen Zhanghai	«Selective enhancement of spin polarized exciton emissions in a single quantum dot embedded in a microcavity»
13:00	14:30	Lunch	
14:30	15:00	Sanvitto Daniele	«Quantum fluid dynamics of polariton condensates»
15:00	15:30	Bramati Alberto	«Hydrodynamic effects in polariton superfluids»
15:30	16:00	Lagoudakis Pavlos	«Photon vs exciton-polariton BEC»
16:00	16:30	Coffee Break	
16:30	17:00	Del Valle Elena	«One quantum dot laser»
17:00	17:30	Dneprovskii Vladimir	«Nonlinear absorption of semiconducting quantum dots at one- and two-photon resonant excitation of excitons»
17:30	18:00	Slavcheva Gabriela	«Spin Dynamics under Resonant Excitation of Hot Trion States in p-doped InAs/GaAs Quantum Dots»
20:00	Dinner		

18.03.2011		Speaker	Title of lecture
09:00	09:30	Portnoi Mikhail	«Multi-phonon scattering as a major obstacle to graphene-based room-temperature quantum Hall standard of resistance»
09:30	10:00	Lyanda-Geller Yuli	«Spin Hall Effect»
10:00	10:30	Rokhinson Leonid	«Manipulation of magnetization vector via spin-orbit interactions in magnetic semiconductors»
10:30	11:00	Coffee Break	
11:00	11:30	Kavokin Kirill	«Magnetic soft mode in diluted-magnetic quantum wells»
11:30	12:00	Liew Timothy	«Single photon sources & multimode entanglement in semiconductor microcavities»
12:00	12:30	Laussy Fabrice	«Dissipative Jaynes-Cummings ladder»
12:30	13:00	Kaliteevski Mikhail	«Stimulated emission of THz radiation from semiconductor microcavity»
13:00	14:30	Lunch	
14:30	15:00	Savvidis Pavlos	«Novel electrically injected polariton devices»

15:00	15:30	Reale Andrea	«Dye Solar Cells»
15:30	16:00	Coffee Break	
16:00 — 19:00		SIMTECH kick-off meeting	
16:00 — 16:10		Welcome speech by Prof. Rinaldo Santonico, Director of the Dept. of Physics, University of Rome Tor Vergata	
16:10	16:25	Varlamov Andrey	«100 years of Superconductivity»
16:25	16:55	Bouzdin Alexander	«Magnetic Moment Manipulation by a Josephson Current»
16:55	17:25	Samokhvalov Alexei	«Electronic structure of vortices pinned by columnar defects and microscopic criterion for vortex depinning»
17:25	17:40	Pulci Olivia	«Excitonic effects in 2D systems»
17:40	18:10	Shikin Valeriy	«Quantum Hall Effect in narrow channels»
20:00		Dinner	

19.03.2011		Speaker	Title of lecture
09:00	09:30	Elyukhin Vyacheslav	«Self-assembling of 4B10Sb clusters in GaAs:(B, Sb)»
09:30	10:00	Kopelevich Yakov	«Graphite and graphene: myths, reality, and perspectives»
10:00	10:30	Shekhter Robert	«"Cooling" and "Heating" of Nano-electro-mechanical Systems»
10:30	11:00	Coffee Break	
11:00	11:30	Simserides Constantinos	«Tight binding parameters for charge transport along DNA»
11:30	12:00	Brückner Robert	«Optical properties of metal-organic hybrid microcavities»
12:00	12:30	Lyssenko Vadim	«Spatially- and angular-resolved room-temperature coherent emission from metal-organic microcavities and photonic boxes»
12:30	13:00	Shelykh Ivan	«Dynamics of interacting polariton system»
13:00	14:30	Lunch	
14:30	15:00	Mosca Conte Adriano	«Theoretical investigation on paper optical properties modifications induced by ageing»
15:00	15:30	Kadri Abderrahmane	«II-VI versus III-V wide bandgap semiconductor materials and nanostructures for optoelectronics applications»
15:30	16:00	Nafidi Abdelhakim	«Correlation between enhanced T_c , the unit cell volume, AC magnetic shielding and irreversibility Line in argon preheated high T_c Superconductors $(Y_{1-x}Ln_x)(SrBa)Cu_3O_{6+z}$ (Ln = rare earth)»
16:00	16:30	Pozina Galia	«Properties of HVPE grown GaN films»
16:30	17:00	Coffee Break	
17:00	17:30	Ciuti Cristiano	«Vacuum degeneracy and quantum phase transitions in ultrastrong coupling circuit QED»
17:30	18:00	Rumyantsev Vladimir	«Interaction of imperfect 1D photonic crystals with electromagnetic radiation»
18:00	18:30	Kavokin Alexey	«Zeeman effect in degenerate exciton condensates»
15:00 — 17:00		SIMTECH kick-off meeting	
15:00	16:00	Giuseppe Daquino	Presentation
16:00	16:30	Discussion after the presentation	
16:30	17:00	Round table	
20:00		Social Dinner – Roman Food and Unlimited Wine	

20.03.2011		Departure day	
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