

International Conference on Metamaterials and Nanophysics

22 April — 01 May, 2014 - Varadero, Cuba

Program

		Speaker	Title of lecture
Tue 22.04.2014		Arrival and Registration of the participants, Hotel Nacional de la Havana	
20:00	22:00	Welcome reception	
Wed 23.04.2014		Transfer of the participants to the Hotel Melia Varadero	
		Greetings of the Participants	
Thu 24.04.2014		Speaker	Title of lecture
09:30	10:00	Sven Hoefling	Integrated Quantum Photonics
10:00	10:30	Shigefusa Chichibu	Spatio-time-resolved cathodoluminescence studies on wide bandgap wurtzite AlN and GaN
10:30	11:00	Hiroshi Fujioka	Nitride Materials and Devices Prepared by Pulsed Sputtering
11:00	11:30	Coffee break	
11:30	12:00	Hideto Miyake	MOVPE growth of AlN and AlGa _N multiple-quantum wells on sapphire for electron-beam-excitation UV light source
12:00	12:30	Motoaki Iwaya	Development of nitride-based photosensor
12:30	13:00	Tohru Honda	Light emission properties of ultra thin InN in the GaN matrix
13:00	15:00	Lunch	
15:00	15:30	Akihiko Yoshikawa	Prospects and problems for III-N solar cells: Theoretical and experimental
15:30	16:00	Xinqiang Wang	Systematic study on growth and p-type doping of InN
16:00	16:30	Tetsuya Takeuchi	An alternative hole injection: Nitride-based tunnel junctions
16:30	17:00	Coffee break	
Fri 25.04.2014		Speaker	Title of lecture
09:30	10:00	Ikuo Suemune	Metallic Semiconductor Nanostructures for Photonic Applications
10:00	10:30	Alexei Efros	Dark and Photo Conductivity in Ordered Array of Nanocrystals
10:30	11:00	Natasha Berloff	Linear vs nonlinear behaviour in solid state condensates
11:00	11:30	Coffee break	
11:30	12:00	Pavel Ginzburg	Plasmonics and Metamaterials meet Opto-mechanical Applications
12:00	12:30	Simone De Liberato	Breakdown of the Purcell effect in non-perturbative cavity quantum electrodynamics
12:30	13:00	Feodor Kusmartsev	Extraordinary Magnetoresistance from Graphene with charged Nanodomains, Channels and Bubbles
13:00	15:00	Lunch	
15:00	15:30	Elyahou Kapon	Ordered Quantum-Wire and Quantum-Dot Systems for Nonophotonics
15:30	16:00	Olivia Pulci	Optical properties of two-dimensional sheets
16:00	16:30	Johannes Koeth	<i>t.b.c.</i>
16:30	17:00	Coffee break	
Sat 26.04.2014		Speaker	Title of lecture
10:00	10:30	Bernard Gil	<i>t.b.c.</i>
10:30	11:00	Frank Bertram	Nanoscale characterization using TEM-CL
11:00	11:30	Coffee break	
11:30	12:00	Didier Felbacq	Resonance and spatial dispersion in dielectric metamaterials
12:00	12:30	Tatiana Shubina	Slow light at exciton resonances in wide-bandgap semiconductors
12:30	13:00	Mikhail Portnoi	Excitonic effects in carbon-based nanostructures
13:00	15:00	Lunch	

15:00	15:30	Pavlos Lagoudakis	Spontaneous vorticity in coupled polariton condensates
15:30	16:00	Jerôme Tignon	Controlling the ultrafast dynamics of THz quantum cascade lasers using gain switching
16:00	16:30	Gordon Callsen	Steering the optical properties of nitride quantum dots
16:30	17:00	Coffee break	
17:00	17:30	Pavel Belov	Recent progress in all-dielectric optical antennas
17:30	18:00	Claude Weisbuch	Do's and Don'ts in the physics of solid state lighting

Sunday 27.04.2014

Sightseeing day (7:30, lobby)	Excursion to Santa Clara with a visit to Che Mausuleo, armored train, tobacco factory entrance.		
Lunch in a typical Creol restaurant.			

Mon 28.04.2014		Speaker	Title of lecture
09:30	10:00	Alexey Kavokin	Exciton Mediated Superconductivity
10:00	10:30	Dmitriy Yakovlev	Spin dynamics of excitons and trions in colloidal nanocrystals
10:30	11:00	Galia Pozina	HVPE growth of GaN: from nanostructures to bulk substrates
11:00	11:30	Coffee break	
11:30	12:00	Pavlos Savvidis	Electrical manipulation and spin filtering of polariton condensates
12:00	12:30	Alexander Dzyubenko	Coulomb interactions and magnetoexcitons in Graphene
12:30	13:00	Carole Diederichs	Control of photon indistinguishability in resonantly-driven semiconductor quantum dots
13:00	15:00	Lunch	
15:00	15:30	Anatoliy Sidorenko	Memory effect in Superconductor/Ferromagnet nanostructures as a base for superconducting spintronics
15:30	16:00	Alex Greilich	Optical spin noise spectroscopy
16:00	16:30	Shunri Oda	Si quantum dots and Si/Ge nanowires for future electronics and photonics
16:30	17:00	Coffee break	
17:00 — 18:00		Poster session	
20:00		Social Dinner, Dancing Hall	

Teu 29.04.2014		Speaker	Title of lecture
10:00	10:30	Guy Bouchitté	Mathematical issues about Bloch waves in metamaterials
10:30	11:00	Vito Mocella	Plasmonics without plasmons: a non-metal approach to “plasmonics”
11:00	11:30	Coffee break	
11:30	12:00	Oleg Egorov	Hybrid Parametric Cavity Polariton Solitons
12:00	12:30	Wayne Dickson	Anisotropic plasmonic metamaterials
12:30	13:00	Joel Belessa	Lasing in Confined Tamm plasmon structures
13:00	15:00	Lunch	
15:00	15:30	Philippe Ben Abdalla	Toward circuits for thermal light
15:30	16:00	Gordon Schmidt	Nanometerscale optical and structural properties of III-Nitride based microcavities
16:00	16:30	Christian Schneider	Lasing of optically and electrically injected Exciton-Polaritons in magnetic fields
16:30	17:00	Coffee break	
17:00 — 17:40		Round table on European Projects. Talk of Prof. Anatoliy Sidorenko	

Wed 30.04.2014

Last day of the Conference — going to Havana			
1st of May 2014 — you can take part in the Manifestation of the 1st of May at the Plaza de Revolucion			