

ICPS2009 Lecture Timetable - Tuesday 11.8.

	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3
15:00	Optoelectronic devices with photonic crystals <i>Radu Florin Stancu</i>	Terrestrial Gamma-ray Flashes, TGF <i>Raghild Schrøder Hansen</i>	Multiple Partonic Interaction at LHC <i>Lucia Garbini</i>
15:25	Electron spin qubits: Optical state preparation and decoherence in semiconductor quantum dots <i>Clemens Matthiesen</i>	The analysis of processes in the early universe responsible for the properties of the CMBR <i>Paulina Karczmarek</i>	Monitoring trigger rates of the ATLAS detector at CERN <i>Silvia Arghir</i>
15:50	Band Tails and Supersymmetry <i>Casper Drukier</i>	Line Locking in Quasars: Escaping the Grips of Black Holes <i>Rebecca Bowler</i>	Charge-parity violation at the Large Hadron Collider <i>Hamish Gordon</i>
16:15	Synthesis of UNCD Films by Microwave CVD with Short Overview of UNCD Films' History and Application <i>Milan Vrućinić</i>	Implementing a full-robotic astronomical observatory <i>Nicola Fulvio Calabria</i>	Network Splitting <i>Brendan O'Dowd</i>
16:40	A search of the Spin Bose-glass phase in the Quantum Hall States of the Double Quantum Wells <i>Y. Kravets, M. Marchewka, D. Ploch, G. Tomaka and E.M. Sheregii</i>	Supersymmetric Dark Matter as the Source of the WMAP Haze <i>Gabriel Caceres</i>	Physics and Simulations at the Forward Region of the International Linear Collider <i>Madalina Stanescu-Bellu</i>
17:00	Coffee break - 30 min		
17:30	Hybrid photovoltaic structures based on CdTe nanowire arrays and organic dyes thin films <i>Camelia Florica, T. Mitran, C. Besleaga, L. Ion, I. Enculescu, V. A. Antohe, A. Radu, S. Antohe</i>	Studies of the solar phenomena with the ARGO-YBJ experiment <i>Mario Daprà</i>	Trackers for high energy physics experiments <i>Luigi Calligaris</i>
17:55	Enhance your precious: the art and science of diamond crystal modification <i>Teresa Kubacka</i>	Superfluidity phenomenon in Neutron Stars <i>Luc Di Gallo</i>	Physics of Heavy Ion Collisions: Zone of Reactions <i>A. Muskeyev, D. Anchishkin, S. Yezhov</i>
18:20	What Grows Inside Alumina Honeycombs? <i>Mariana P. Proenca</i>	Mass loss on the AGB from gas and dust diagnostics <i>Robin Lombaert</i>	Computing for High Energy Physics <i>Rafał Grzymkowski</i>
18:40	Coffee break - 20 min		

ICPS2009 Lecture Timetable - Wednesday 12.8.

	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3
9:30	Charge ordering and phase separations in the atomic limit of the extended Hubbard model <i>Konrad Kapcia</i>	Cold Flows in the Marenstrum Simulation <i>Jonathan Freundlich</i>	Measurement of the cross section of Au197(n,2n)Au196 reaction <i>E.Mara, R.Vlastou, M.Kokkoris, C.Papadopoulos, A.Tsigganis</i>
9:55	Examining the hardness and module of elasticity of chalcogenide glass using the Fisherscope HM2000 S <i>Aleksandar Antić</i>	Spiral arms in the accretion disc of the intermediate polar DQ Her <i>Steven Bloemen</i>	Simulations for the optimization of the MVD detector of the PANDA experiment <i>Simone Bianco</i>
10:20	IBIC analysis of SiC Schottky diodes <i>Piero Gamarra</i>	The Wolf-Rayet Population of NGC1313 and NGC300 <i>Nadia This</i>	Fuelling of fusion reactors <i>V. Csajbok, E. Belonohy, K. Gal</i>
10:45	What happens when you bind hydrogen to graphene? <i>Marek Rataj</i>	Cataclysmic Variables: What are they and why do we need them? <i>Ilse Decoster</i>	The role of chaos in the sawtooth crash of tokamak plasmas <i>Gergely Papp</i>
11:10	The New Class of Composites: Ferroelectric Liquid Crystal Nanocolloids <i>Shelestiuk, S.M., Reshetnyak, V.Yu., Sluckin, T.J.</i>	Extraterrestrial Life <i>Nehir Banaz and Tugba Buyukbese</i>	Poloidal velocity measurement in toroidal plasmas via beam emission spectroscopy <i>Laszlo Bardoczi</i>
11:30	Coffee break - 30 min		

ICPS2009 Lecture Timetable - Thursday 13.8.

	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3
9:30	Equilibrium shapes of spontaneously bending surfaces <i>Jamil Hetzel</i>	Simulation of impact craters <i>Luči Karbonini and Marin Vojković</i>	Production and study of spinor condensates of 87Rb released from a magnetic trap <i>M. Piotrowski, R. Gartman, J. Szczepkowski, Ł. Tracewski, M. Witkowski, M. Zawada, W. Gawlik</i>
9:55	Laser-induced Femtosecond Spin-Dynamics in Metallic Multilayers <i>Adrian Glaubitz and Alexey Melnikov</i>	Using Circular Polarization Ratio Measurements to Determine a New Means of Dating Lunar Craters <i>Adam Woodruff, Don Campbell, Kassie Wells, Bruce Campbell, Lynn Carter</i>	Two-photon photoassociation of cold atoms in femtosecond laser field <i>Michał Tomza</i>
10:20	Optical properties of polymer films containing CdS quantum dots <i>Andrii Kovalchuk</i>	The Physics of the Solar Wind <i>Ciaran Kenny</i>	Nanosecond-Laser Ablation - A Theoretical and Experimental Approach <i>Teofil Minea</i>
10:45	Introduction to ab initio calculations in the context of condensed matter physics <i>Lucas Vázquez Besteiro</i>	Binary Orbital Motion of Electrically Charged Spheres in Weightlessness <i>J. T. Fuchs, B. M. Atkins, G. A. Franks, B. K. Hoffmeister, L. Li, D. A. Meyer, C. W. Sliger, J. E. Thompson</i>	Heating of Nanoclusters by Intense Ultrashort Laser Pulses and Laser Stimulated Bremsstrahlung <i>Burenkov I.A., Tikhonova O.V.</i>
11:10	Quantum Hall Effect <i>Vivirschi Bogdan Nicolaie</i>	One Giant Leap For Mankind <i>William Davies</i>	Overview of force spectroscopy techniques <i>Stanko Zečević</i>
11:30	Coffee break - 30 min		

ICPS2009 Lecture Timetable - Friday 14.8.

	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3
9:30	Surfaces for click chemistry: Stability under UV irradiation <i>Peter van Abswoude</i>	LISA & Quantum Squeezing, Future Gravitational Wave Experiments <i>Matthew Reagor, Prof. Peter Bender, Prof. Roman Schnabel</i>	Plastic micro-lasers <i>I.Gozhyk, N.Djellali, M.Lebental, J. Lautru, S. Lozenko and J. Zyss</i>
9:55	Quantum phase transition in photonic crystal microcavities <i>Michael Knap</i>	Wave breaking observations using acoustic methods <i>Agata Dragan</i>	Impact of electric field on single-bubble sonoluminescence <i>Maciej Jasiński</i>
10:20	Organic Thin Film Transistors (O-TFTs) <i>Thomas Obermueller, Marco Marchl, Simon Ausserlechner, Anja Haase, Egbert Zojer</i>	The North Atlantic Oscillation <i>Irena Balog</i>	Double Stripe Line <i>Bogdan Vasylykiv</i>
10:45	Fundamentals of Organic Semiconductors and Applications <i>Alfred Neuhold</i>	Aurora Borealis – The Northern Nights Fever <i>Anna Sokulska</i>	XPS X-Ray Photoelectron Spectroscopy <i>Alfio Battiato and Veronica Giorgis</i>
11:10	Molecular Electronics: One Step Closer to Computers of Tomorrow <i>E. G. Petrov, V. A. Leonov</i>	Seasonal variability of carbon fluxes in the subtropical North Atlantic at 24.5°N <i>Pavic, M.,Cunningham, S.A., Brown, P., Scuhuster, U., Watson, A.J.</i>	X-ray phase contrast imaging with grating interferometer <i>Venera Altapova</i>
11:30	Coffee break - 30 min		

ICPS2009 Lecture Timetable - Sunday 16.8.

	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3
9:30	Spring-block type models for capillarity-driven self organization of nanotubes <i>Emőke-Ágnes Horvát, Ferenc Járαι-Szabó, Zoltán Néda</i>	Playing Tetris the right way: Pentominos and Dancing Links <i>Ralf Gamillscheg, Peter Pippan</i>	Less calculus, More geometry <i>Emre Kolay</i>
9:55	Synthesis and characterization of hydroxyapatite nanotubes <i>João Carlos Mesquita Coelho</i>	An Objective Method for Revealing Hierarchical Settlement Networks <i>Gabriell Máté, Zoltán Néda, József Benedek</i>	Strings, Extra Dimensions and Braneworlds – an Introduction <i>Stephanie Range</i>
10:20	The comparison of MCG and PMM methods for ischemia disorders detection <i>Valeriia Konieva</i>	Application of neural networks and fuzzy logic on processing of physical measurements data <i>Damir Ribić</i>	The Casimir Effect and Supersymmetry <i>Matthias Sars</i>
10:45	Neurophysics of Vision: Ambiguous images and binocular rivalry <i>Jessica Stanley</i>	High Performance Scientific Computing On Graphics Processors <i>Matija Piškorec</i>	Comparison several method for optical vortex point localization in optical vortex lattice <i>Monika Leniec</i>
11:10	Amazing world of nanoparticles <i>Pawel Pedrak</i>	Quarter of the memristor <i>Magdalena Olbromska</i>	Young's double-slit experiment with entangled photons <i>J. J. Renema, W.H. Peeters and M.P. van Exter</i>
11:30	Coffee break - 30 min		

ICPS2009 Lecture Timetable - Monday 17.8.

	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3
9:30	Simulation of Polymers <i>Konrad Schwenke</i>	Hunting the paranormal - physics of the impossible <i>Sebastian Szwarc</i>	The influence of the electric field on the emission properties of the Sc-Ba dispensed emitters <i>I.I. Bekh, O.V. Verbytska, V.V. Il'chenko, A.E. Lushkin</i>
9:55	Ternary Polymer Melts: Insight from Mesoscale Modelling <i>Zbysek Posel, Martin Lisal</i>	The Philosophy Of Space And Time <i>Yemliha Bilal Kalyoncu</i>	Channeling electrons in 'Image States' above solid surfaces to form links between qbit islands <i>Ravindranath 'Robin' Gajria</i>
10:20	Playing tic-tac-toe with DNA - deoxyribozyme-based logic gates as a plug-and-play integrated system <i>Iwona Mucha-Kruczynska</i>	Life and the Second Law of Thermodynamics <i>Ivana Stanković</i>	Thermalisation and entropy in Heisenberg spin chains <i>Lidia del Rio</i>
10:45	Acoustic resonators to monitor protein aggregation in crowded environments <i>White D.A., Buell A.K., Knowles T.P.J., Welland M.E., Dobson C.M.</i>	Physics in the kitchen <i>Barbara Olbromska</i>	Oddity of non-newtonian fluids <i>Magdalena Kuś</i>
11:10	Raman spectroscopy for live cells studies <i>Alina Zoladek</i>	Paper-planes: their flight and their physics <i>Ali Farnudi</i>	Renewable Energy: modeling and control of micro hydroelectrical plants <i>Issam Salhi, Said Doubabi</i>
11:30	Coffee break - 30 min		