ICPS2009 Lecture Timetable - Tuesday 11.8.

	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3
15:00	**Optoelectronic devices with photonic crystals** *Radu Florin Stancu*	**Terrestrial Gamma-ray Flashes, TGF** *Raghild Schrøder Hansen*	**Multiple Partonic Interaction at LHC** *Lucia Garbini*
15:25	**Electron spin qubits: Optical state preparation and decoherence in semiconductor quantum dots** *Clemens Matthiesen*	**The analysis of processes in the early universe responsible for the properties of the CMBR** *Paulina Karczmarek*	**Monitoring trigger rates of the ATLAS detector at CERN** *Silvia Arghir*
15:50	**Band Tails and Supersymmetry** *Casper Drukier*	**Line Locking in Quasars: Escaping the Grips of Black Holes** *Rebecca Bowler*	**Charge-parity violation at the Large Hadron Collider** *Hamish Gordon*
16:15	**Synthesis of UNCD Films by Microwave CVD with Short Overview of UNCD Films' History and Application** *Milan Vrućinić*	**Implementing a full-robotic astronomical observatory** *Nicola Fulvio Calabria*	**Network Splitting** *Brendan O'Dowd*
16:40	**A search of the Spin Bose-glass phase in the Quantum Hall States of the Double Quantum Wells** *Y. Kravets, M. Marchewka, D. Ploch, G. Tomaka and E.M. Sheregii*	**Supersymmetric Dark Matter as the Source of the WMAP Haze** *Gabriel Caceres*	**Physics and Simulations at the Forward Region of the International Linear Collider** *Madalina Stanescu-Bellu*
17:00	**Coffee break - 30 min**		
17:30	**Hybrid photovoltaic structures based on CdTe nanowire arrays and organic dyes thin films** *Camelia Florica,T. Mitran, C. Besleaga, L. Ion, I. Enculescu, V. A. Antohe, A. Radu, S. Antohe*	**Studies of the solar phenomena with the ARGO-YBJ experiment** *Mario Daprà*	**Trackers for high energy physics experiments** *Luigi Calligaris*
17:55	**Enhance your precious: the art and science of diamond crystal modification** *Teresa Kubacka*	**Superfluidity phenomenon in Neutron Stars** *Luc Di Gallo*	**Physics of Heavy Ion Collisions: Zone of Reactions** *A. Muskeyev, D. Anchishkin, S. Yezhov*
18:20	**What Grows Inside Alumina Honeycombs?** *Mariana P. Proenca*	**Mass loss on the AGB from gas and dust diagnostics** *Robin Lombaert*	**Computing for High Energy Physics** *Rafał Grzymkowski*
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** *Konrad Kapcia*	**Cold Flows in the Marenostrum Simulation** *Jonathan Freundlich*	**Measurement of the cross section of Au197(n,2n)Au196 reaction** *E.Mara, R.Vlastou, M.Kokkoris, C.Papadopoulos, A.Tsigganis*
9:55	**Examining the hardness and module of elasticity of chalcogenide glass using the Fisherscope HM2000 S** *Aleksandar Antić*	**Spiral arms in the accretion disc of the intermediate polar DQ Her** *Steven Bloemen*	**Simulations for the optimization of the MVD detector of the PANDA experiment** *Simone Bianco*
10:20	**IBIC analysis of SiC Schottky diodes** *Piero Gamarra*	**The Wolf-Rayet Population of NGC1313 and NGC300** *Nadia This*	**Fuelling of fusion reactors** *V. Csajbok, E. Belonohy, K. Gal*
10:45	**What happens when you bind hydrogen to graphene?** *Marek Rataj*	**Cataclysmic Variables: What are they and why do we need them?** *Ilse Decoster*	**The role of chaos in the sawtooth crash of tokamak plasmas** *Gergely Papp*
11:10	**The New Class of Composites: Ferroelectric Liquid Crystal Nanocolloids** *Shelestiuk, S.M., Reshetnyak, V.Yu., Sluckin, T.J.*	**Extraterrestial Life** *Nehir Banaz and Tugba Buyukbese*	**Poloidal velocity measurement in toroidal plasmas via beam emission spectroscopy** *Laszlo Bardoczi*
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** *Jamil Hetzel*	**Simulation of impact craters** *Luči Karbonini and Marin Vojković*	**Production and study of spinor condensates of 87Rb released from a magnetic trap** *M. Piotrowski, R. Gartman, J. Szczepkowski, Ł. Tracewski, M. Witkowski, M. Zawada, W. Gawlik*
9:55	**Laser-induced Femtosecond Spin-Dynamics in Metallic Multilayers** *Adrian Glaubitz and Alexey Melnikov*	**Using Circular Polarization Ratio Measurements to Determine a New Means of Dating Lunar Craters** *Adam Woodruff, Don Campbell, Kassie Wells, Bruce Campbell, Lynn Carter*	**Two-photon photoassociation of cold atoms in femtosecond laser field** *Michal Tomza*
10:20	**Optical properties of polymer films containing CdS quantum dots** *Andrii Kovalchuk*	**The Physics of the Solar Wind** *Ciaran Kenny*	**Nanosecond-Laser Ablation - A Theoretical and Experimental Approach** *Teofil Minea*
10:45	**Introduction to ab initio calculations in the context of condensed matter physics** *Lucas Vázquez Besteiro*	**Binary Orbital Motion of Electrically Charged Spheres in Weightlessness** *J. T. Fuchs, B. M. Atkins, G. A. Franks, B. K. Hoffmeister, L. Li, D. A. Meyer, C. W. Sliger, J. E. Thompson*	**Heating of Nanoclusters by Intense Ultrashort Laser Pulses and Laser Stimulated Bremsstrahlung** *Burenkov I.A., Tikhonova O.V.*
11:10	**Quantum Hall Effect** *Vivirschi Bogdan Nicolaie*	**One Giant Leap For Mankind** *William Davies*	**Overview of force spectroscopy techniques** *Stanko Zečević*
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** *Peter van Abswoude*	**LISA & Quantum Squeezing, Future Gravitational Wave Experiments** *Matthew Reagor, Prof. Peter Bender, Prof. Roman Schnabel*	**Plastic micro-lasers** *I.Gozhyk, N.Djellali, M.Lebental, J. Lautru, S. Lozenko and J. Zyss*
9:55	**Quantum phase transition in photonic crystal microcavities** *Michael Knap*	**Wave breaking observations using acoustic methods** *Agata Dragan*	**Impact of electric field on single-bubble sonoluminescence** *Maciej Jasiński*
10:20	**Organic Thin Film Transistors (O-TFTs)** *Thomas Obermueller, Marco Marchl, Simon Ausserlechner, Anja Haase, Egbert Zojer*	**The North Atlantic Oscillation** *Irena Balog*	**Double Stripe Line** *Bogdan Vasylkiv*
10:45	**Fundamentals of Organic Semiconductors and Applications** *Alfred Neuhold*	**Aurora Borealis – The Northern Nights Fever** *Anna Sokulska*	**XPS X-Ray Photoelectron Spectroscopy** *Alfio Battiato and Veronica Giorgis*
11:10	**Molecular Electronics: One Step Closer to Computers of Tomorrow** *E. G. Petrov, V. A. Leonov*	**Seasonal variability of carbon fluxes in the subtropical North Atlantic at 24.5°N** *Pavic, M.,Cunningham, S.A., Brown, P., Scuhuster, U., Watson, A.J.*	**X -ray phase contrast imaging with grating interferometer** *Venera Altapova*
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** *Emőke-Ágnes Horvát, Ferenc Járai-Szabó, Zoltán Néda*	**Playing Tetris the right way: Pentominos and Dancing Links** *Ralf Gamillscheg, Peter Pippan*	**Less calculus, More geometry** *Emre Kolay*
9:55	**Synthesis and characterization of hydroxyapatite nanotubes** *João Carlos Mesquita Coelho*	**An Objective Method for Revealing Hierarchical Settlement Networks** *Gabriell Máté, Zoltán Néda, József Benedek*	**Strings, Extra Dimensions and Braneworlds – an Introduction** *Stephanie Range*
10:20	**The comparison of MCG and PMM methods for ischemia disorders detection** *Valeriia Konieva*	**Application of neural networks and fuzzy logic on processing of physical measurements data** *Damir Ribić*	**The Casimir Effect and Supersymmetry** *Matthias Sars*
10:45	**Neurophysics of Vision: Ambiguous images and binocular rivalry** *Jessica Stanley*	**High Performance Scientific Computing On Graphics Processors** *Matija Piškorec*	**Comparison several method for optical vortex point localization in optical vortex lattice** *Monika Leniec*
11:10	**Amazing world of nanoparticles** *Pawel Pedrak*	**Quarter of the memristor** *Magdalena Olbromska*	**Young's double-slit experiment with entangled photons** *J. J. Renema, W.H. Peeters and M.P. van Exter*
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** *Konrad Schwenke*	**Hunting the paranormal - physics of the impossible** *Sebastian Szwarc*	**The influence of the electric field on the emission properties of the Sc-Ba dispensed emitters** *I.I. Bekh, O.V. Verbytska, V.V. Il'chenko, A.E. Lushkin*
9:55	**Ternary Polymer Melts: Insight from Mesoscale Modelling** *Zbysek Posel, Martin Lisal*	**The Philosophy Of Space And Time** *Yemliha Bilal Kalyoncu*	**Channeling electrons in 'Image States' above solid surfaces to form links between qbit islands** *Ravindranath 'Robin' Gajria*
10:20	**Playing tic-tac-toe with DNA - deoxyribozime-based logic gates as a plug-and-play integrated system** *Iwona Mucha-Kruczynska*	**Life and the Second Law of Thermodynamics** *Ivana Stanković*	**Thermalisation and entropy in Heisenberg spin chains** *Lidia del Rio*
10:45	**Acoustic resonators to monitor protein aggregation in crowded environments** *White D.A., Buell A.K., Knowles T.P.J., Welland M.E., Dobson C.M.*	**Physics in the kitchen** *Barbara Olbromska*	**Oddity of non-newtonian fluids** *Magdalena Kuś*
11:10	**Raman spectroscopy for live cells studies** *Alina Zoladek*	**Paper-planes: their flight and their physics** *Ali Farnudi*	**Renewable Energy: modeling and control of micro hydroelectrical plants** *Issam Salhi, Said Doubabi*
11:30	**Coffee break - 30 min**		