CCP2016

Monday 11 July 2016

Poster Session: Poster Session 1 - Spartan 1 (16:30-17:30)

-Conveners: Azwinndini Muronga

[id] title	presenter	board
[1] Effect of viscosity on propagation of MHD waves in astrophysical plasma	Mr ALEMAYEHU, Cherkos	001
[3] Numerical Study of Microfluidic Transitional Flow Regime Curvature Effects for Compressible Isothermal Gases using Generalized Slip Boundary Conditions	Mr RAMNATH, Vishal	003
[7] Processes of decollimation of the beam of fullerenes during scattering on it beam of hydrogen.	Mr ALYABEV, Danila	007
[10] Plutonium Rock-Like Oxide fuel (ROXf) system , their once-through burning and usage.	Prof. MOHAMED SALEH, Ashraf Elsayed	010
[19] Investigation of the radiation emission influence on properties of liquid water systems	Dr GAVRUSHENKO, Dmitryi Dr ATAMAS, Nataliia	019
[23] Mechanical properties and energy absorption characterization of compressive deformation of Tin-Lead metallic foam with open cells	Mr BELHADJ, Abd-Elmouneïm Prof. ABUDURA, Salam	023
[28] Computational Study of Rocket Thrust Vectoring Propulsion Control System Characteristics for Surface Landing Trajectory Paths	Mr RAMNATH, Vishal	028
[44] Sustainable numerical scheme for molecular dynamics simulation of the dusty plasmas in an external magnetic field	Prof. DZHUMAGULOVA, Karlygash	044
[45] The capture cross sections at the electron collisions with hydrogen atom and proton in the dense semiclassical plasma	Prof. DZHUMAGULOVA, Karlygash	045
[46] Multiscale simulations of structure and thermomechanical properties of phthalonitrile heat-resistance resins	Dr RUDYAK, Vladimir	046
[49] Deposition of C, C_2, CH, CH_2 and CH_3 onto graphene: structures and structural changes of graphene	Mr STELMAKH, Vasiliy	049
[55] Computational and theoretical study of Cd doped ZnO phase separation	Mr JULE, LETA	055
[60] The SAPBC method on local, non-cluster updates algorithms of Monte Carlo simulation: A study on more convergence of spin correlation at critical temperature	Mr NAJAFI, Amin	060
[61] Development of software package for the computer simulation of the dynamic properties of dense ICF plasmas	Ms KODANOVA, Sandugash	061
[63] Entanglement entropy of the Q $\geq$ 4 quantum Potts chain	Dr LAJKO, Peter	063
[67] The Introduction of Heterogeneous Computing Platforms into the ATLAS Trigger at CERN	Mr SACKS, Marc	067
[80] Plasmon excitation in OLED with the DTMaxwell code	PEREPELKINA, Anastasia	080
[81] Ab *initio* studies of isolated boron substitutional defects in graphane	Dr MAPASHA, Edwin	081

Tuesday 12 July 2016

Poster Session: Poster Session 2 (16:30-17:30)

-Conveners: Joan Adler

[id] title	presenter	board
[82] Development of Plasma Fluid Model in Microwave Rocket Supported by Magnetic Field	Dr TAKAHASHI, Masayuki	082
[83] Structure-dynamic approach of nanoionics. Theory and computer exploration.	Dr DESPOTULI, Alexandr Prof. ANDREEVA, Alexandra	083
[84] Density function theory study of TiO$_2$ Brookite (100), (101) and (210) surfaces doped with ruthenium (Ru) and Calcium (Ca) for application in dye sensitized solar cell	Mr DIMA, Ratshilumela Steve	084
[87] Systematic study of the anomolous feature of actinide region	Mrs JAIN, Poonam	087
[89] Asymmetric Shock Wave Generation in Microwave Rocket Using Magnetic Field	Dr TAKAHASHI, Masayuki	089
[91] Fractal - Scaling approaches in Radar and Radio Physics	Prof. POTAPOV, Alexander	091
[99] Analysis of temperature dependent thermopower of iron chalcogenide superconductors	Dr KAURAV, Netram	099
[100] Pressure-induced structural phase transition of zinc oxide	Dr KAURAV, Netram	100
[103] Radiative Molecular Dynamics: First concept	Mr HERZING, Christian Prof. RUHL, Hartmut	103
[104] First-principles study of Fe impurities in MgO	Dr MOLEPO, Mahlaga	104
[110] Computing radiation parameters for atoms and multicharged ions within relativistic energy approach: Advanced code	Mr BUYADZHI, Vasily	110
[111] Non-linear dynamics of quantum and laser systems with elements of a chaos: Advanced computational code	Mr BUYADZHI, Vasily	111
[112] Chaos-dynamical computational method of forecasting evolutionary dynamics of environmental systems: Atmospheric pollutants dynamics	Mr BUYADZHI, Vasily	112
[113] Computational Code in Atomic and Nuclear quantum optics: computing multiphoton and autoionization resonances in a strong external electromagnetic field	Prof. GLUSHKOV, Alexander Ms GURSKAYA, Marina	113
[114] Computational modelling of electroweak interaction effects in atomic and molecular systems within Nuclear-QED perturbation theory	Prof. GLUSHKOV, Alexander Ms GURSKAYA, Marina	114
[115] New computational dynamical approach to Earth system modelling: energy and angle momentum balance, teleconnection, atmospheric radiowaveguides	Prof. GLUSHKOV, Alexander Ms GURSKAYA, Marina	115
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