

CONFERENCE PROGRAMME PLASMA 2017, SEPTEMBER 18-22 2017

Start of Registration	MONDAY, 18.09.2017	FRIDAY, 22.09.2017
SUNDAY, 17.09.2017 18:00-20:00	TUESDAY, 19.09.2017	THURSDAY, 21.09.2017
MONDAY, 18.09.2017 08:15	WEDNESDAY, 20.09.2017	JOINT Sessions I/IV
JOINT Sessions II/III 08:50 WELCOME (T. Pisarczyk) chair: T. Pisarczyk	Session III chair: J. Wolowski	09:00 (11.1) A. Bogartis 09:35 (11.2) A. Barnik 10:10 (01.1) H. Kholoud (01.2) H. Muhammad 10:45 COFFEE BREAK chair: P. Kubes
09:00 (02.1) C. Biedermann 09:35 (02.2) Y. Kazakov 10:10 (03.1) K. Jakubowska 10:45 COFFEE BREAK chair: C. Biedermann	09:00 (13.2) S. Atzeni 09:35 (13.3) J. Badziak 10:10 (13.4) J.T. Mendonca 10:45 COFFEE BREAK chair: S. Atzeni	10:45 COFFEE BREAK chair: J. Badziak
11:15 (02.3) T. Morisaki 11:50 (02.4) S. Morita 12:25 (02.5) A. Hassanein 13:00 LUNCH chair: T. Morisaki	11:15 (13.5) O. Rosmej 11:50 (13.6) D.B. Simars 12:25 (03.3) J. Zebrowski 12:40 (03.6) J.Krasa 12:55 (03.7) P. Raczka 13:10 LUNCH 14:30 EXCURSION	11:15 (01.3) P. Goldstein 11:30 (01.4) A. Janda 11:45 (01.5) P. Wachulak 12:00 (05.1) Z. Klos 12:35 (05.2) F. Taccogna 13:10 LUNCH chair: A. Barnik
15:00 (02.1) I. Garbasha 15:15 (02.2) P. Chmielewski 15:30 (03.1) B. Li 15:45 (03.2) D. Kang 16:00 COFFEE BREAK chair: O. Rosmej	15:00 (06.1) M. Kubkowska 15:15 (06.2) L. Ryc 15:30 (06.3) J. Zebrowski 15:45 (06.4) M.O. Carpiniello 15:50 (06.5) A. Santisov 16:00 LUNCH chair: M. Kubkowska	15:00 (05.3) M.L. Da Silva 15:35 (05.1) R.L. Singh 15:50 (05.2) V. Krauz 16:05 (05.3) Z. Peradzynski 16:20 COFFEE BREAK & POSTER SESSION (I-V) 19:00 DINNER
16:30 (03.3) J. Li 16:45 (03.4) L. Wang 17:00 WELCOME RECEPTION	15:45 POSTER SESSION (VI)	

I Elementary processes and general plasma physics

II Plasma in tokamaks and stellarators (MCF)

III Plasma generated by laser beams and inertial Confinement Fusion (ICF)

IV Plasma produced by Z-pinch and Plasma-Focus discharges

V Space plasmas and laboratory astrophysics

VI Plasma diagnostic: methods and applications of plasmas

P6.25 **Katarzyna Slabkowska** "Diagnostics of plasma parameters based on the K and L x-ray line positions for 3d, 4d and 4f elements"

P6.26 **Masahiro Hasuo** "Emission spectroscopy on an atmospheric pressure and low temperature plasma jet with total reflection geometry"

THURSDAY, 21.09.2017

P1.1 **Yosr E.E.D. Gamal** "Comparative study on the mechanisms responsible for seed electrons generation in sodium plasma induced by resonance saturation"

P1.2 **Olodia Nassef** "Electron kinetics in CO₂ laser induced breakdown of molecular oxygen: Numerical study"

P1.3 **Erik Shalenov** "Ionization and recombination coefficients for the dense nonideal hydrogen plasma: screening and quantum diffraction effects"

P1.4 **Cristian Iorga** "The study of the core-valence and core-core correlations effects on radiative rates belonging to the Mg-like iso-electronic sequence"

P2.1 **Xianli Huang** "Analysis of tungsten transport in core plasmas of LHD based on space-resolved EUV spectroscopy"

P2.2 **Yang Liu** "Determination of tungsten ion density in Large Helical Device using unresolved transition array at 27-34Å"

P2.3 **Maidul Islam** "Study of Plasma behavior during ECRH injection in the GAMMA 10 SMBI experiments"

P2.4 **Suguru Masuzaki** "The mechanisms of the changes in the heat and particle fluxes profiles on the helical divertor in the Large Helical Device"

P2.5 **Ewa Pawelec** "Molecular ND Band Spectroscopy in the Divertor Region of Nitrogen Seeded JET Discharges"

P2.6 **Cristian Iorga** "Systematic studies of atomic spectra based noSQL databases"

P3.1 **Karel Rohlena** "Electric and magnetic fields accompanying a laser spark due to the longitudinal temperature gradient"

P3.2 **Jan Badziak** "Efficient acceleration of a dense plasma projectile to hyper velocities in the laser-induced cavity pressure acceleration scheme"

P3.3 **Jan Badziak** "Generation of sub-gigabar-pressure shocks by a hyper-velocity impact in the collider using laser-induced cavity pressure acceleration"

P3.4 **Jaroslav Domanski** "Proton acceleration in two-species targets irradiated by an ultra-intense femtosecond laser pulse"

P3.5 **Tomasz Moscicki** "Expansion of laser-ablated carbon plume to ambient argon"

P3.6 **Roman Dudzak** "Testing new methods for creation and interaction of magnetized laser-produced plasmas for the astrophysical-related experiments"

P3.7 **Tadeusz Pisarczyk** "Laser energy transfer to a dense target under conditions relevant to shock ignition-recent investigation on the PALS facility"

P3.8 **Mohammad H. Mahdiah** "Experimental investigation of plasma characteristics induced by nanosecond pulsed laser interacting with copper and aluminum targets in ambient air"

P4.1 **Balzhima Cikhartova** "Evolution of magnetic field and current in organized structures formed in plasma focus discharge"

P4.2 **Wlodzimierz Stepniewski** "Simulation of partially degenerate dense plasma in X-pinch"

P4.3 **Valerii Nikulin** "Study by laser methods the early stages of formation and propagation of a plasma jet in the plasma focus"