Synchrotron and Free electron laser Radiation: generation and application (SFR-2016)

Wednesday 06 July 2016

X-ray structural analysis: Combustion and detonation - Conference Hall (10:20-12:00)

-Conveners: Nikolay Lyakhov

time	[id] title	presenter
10:20	[173] Hydrostatic and shock-wave compression of a molecular crystals	Dr SMIRNOV, Ewgeny
11:00	[72] Upgrade of the detector for imaging of explosions.	Mr SHEKHTMAN, Lev
11:20	[23] Synchrotron radiation methods for registration of the ejection of particles from the free surface of shock-loaded metals	Dr TEN, Konstantin
11:40	[157] Novel technique for spatially resolved imaging of molecular bond orientations using X-ray birefringence: applications and developments	Dr DOLBNYA, Igor

X-ray structural analysis: Small angle scattering - Conference Hall (13:00-14:40)

-Conveners: Alexander Shmakov

time	[id] title	presenter
13:00	[107] Status of dynamic diagnostics of plasma material interaction based on synchrotron radiation scattering at the VEPP-4 beamline 8	Dr ARAKCHEEV, Aleksey
13:40	[47] Structural phase transformations study of brittle refractory metals and intermetallics with L12 structure using synchrotron radiation	Dr PILYUGIN, Vitaliy
14:00	[17] Zero-area THz optical pulses in gases.	Dr CHESNOKOV, Evgeniy
14:20	[84] Investigation of influence NH4VO3+HOCH2CH2OH oxidation of ASD-4 powder	Mr ESELEVICH, Danil

X-ray structural analysis: Diffraction experiments - Conference Hall (15:00-17:00)

-Conveners: Boris Tolochko

time	[id] title	presenter
15:00	[194] In situ diffraction experiments at VEPP-3 beamlines #2 and #6.	Dr SHMAKOV, Alexander
15:20	[161] Nanodomain states of strontium ferrites and their structural transformations	Dr ANCHAROVA, Uliana
15:40	[50] The high-pressure diffraction studies of potassium and complex carbonates: structural trends and stability	Dr RASHCHENKO, Sergey
16:00	[14] Methods of angular scanning in imaging and topography	Dr PODURETS, Konstantin
16:20	[159] The study of the phase composition of ceramic materials obtained by SHS from previously mechanically activated reaction mixtures Ti-Cr-B	Dr KURBATKIINA, Victoria