



Conference Program, March 4, 2013

Oral Session 16:00

Chairman

Prof. A.V.Eremin

- 16:00 Study of extreme states of condensed explosives and detonation products using synchrotron radiation (plenary)
Ten Konstantin Alekseevich (LIH SB RAS, Novosibirsk, Russia), Titov V. M., Pruel E. R., Lukyanchikov L. A., Aulchenko V. M., Zhulanov V. V., Shehtman L. I., Tolochko B. P.
- 16:30 Shock-induced phase transitions, spall strength and dynamic elastic limit of tetragonal zirconia
Milyavskiy Vladimir V. (JIHT RAS, Moscow, Russia), Savinykh A. S., Schlothauer T., Akopov F. A., Lukin E. S., Valiano G. E., Borodina T. I., Popova N. A., Borovkova L. B., Ziborov V. S., Ananov S. Yu., Valuev A. V.
- 16:45 Molecular dynamic simulation of nanoindentation of TiC & Al₂O₃
Smirnov Grigory Sergeevich (JIHT RAS, Moscow, Russia), Stegailov V. V.
- 17:00 Combustion regimes of hydrogen-based mixtures in gas-fueled reciprocating engines
Smygalina Anna Evgenievna (JIHT RAS, Moscow, Russia), Ivanov M. F., Kiverin A. D., Zaichenko V. M.

17:15



COFFEE-BREAK

Chairman

Prof. G.I.Kanel

- 17:30 Experimental investigation of shock wave/boundary layer interaction in heated ramp surface
Glushniova Alexandra Vladimirovna (JIHT RAS, Moscow, Russia), Saveliev A. S., Son E. E.
- 17:45 Prechamber influence on deflagration-to-detonation transition in channels subcritical diameter
Golub Victor Vladimirovich (JIHT RAS, Moscow, Russia), Baklanov D. I., Ivanov K. V., Golovastov S. V.
- 18:00 The effect of AKM inhibitor on parameters of combustion of hydrogen-air mixtures of different composition
Petukhov Vyacheslav Alexandrovich (JIHT RAS, Moscow, Russia), Azatyan V. V., Naboko I. M., Bublik N. P., Gusev P. A., Gutkin L. D., Solntsev O. I.
- 18:15 Promotion of shock-induced methane detonation by fire suppressants
Drakon A. V., Emelianov A. V., Eremin Alexander Viktorovich (JIHT RAS, Moscow, Russia)
- 18:30 Shadowgraph photometric method application for electron density diagnostics in colliding counterflows of compressed plasma
Khramtsov P. P., Penyazkov O. G., Grishchenko V. M., Chernik Marina Yur'evna (HMTI NASB, Minsk, Belarus), Vasetskij A. V.
- 18:45 Investigation of oscillations in high current discharges at superhigh pressure
Bogomaz A. A., Pinchuk Mikhail Ernestovich (IEE RAS, Saint-Petersburg, Russia), Budin A. V., Leks A. G., Pozubenkov A. A., Rutberg Ph. G.

19:00



SUPPER

20:00

POSTER SESSION