




XXIX International
Conference
on Equations
of State for Matter
March 1–6, 2014, Elbrus,
Kabardino-Balkaria, Russia

Conference Program, March 4, 2014

Oral Session 16:00


Chairman

Dr. V.A.Petukhov

- 16:00 Ya. B. Zeldovich—father of pulse detonation engine research
Golub Victor Vladimirovich (JIHT RAS, Moscow, Russia)
- 16:15 Zeldovich concepts for transient combustion and flammability limits determination
Kiverin A. D., Ivanov M. F., Smygalina Anna Evgenievna (JIHT RAS, Moscow, Russia)
- 16:30 Three-dimensional flow structures induced by the accelerating flames in channels
Yakovenko Ivan Sergeevich (JIHT RAS, Moscow, Russia), Ivanov M. F., Kiverin A. D.
- 16:45 The role of chemically neutral micro particles in the processes of aerosol combustion: from the detonation suppression to the particles implanting into the substrate
Ivanov Mikhail Fedorovich (JIHT RAS, Moscow, Russia), Kiverin A. D., Yakovenko I. S.
- 17:00 Combustion rate of dense gases
Assovskiy Igor Georgeevich (ICP RAS, Moscow, Russia)
- 17:15 Investigation of the properties of carbon nanoparticles by pulse laser heating
Eremin A. V., Gurentsov E. V., Mikheyeva Ekaterina (JIHT RAS, Moscow, Russia)
- 17:30  **COFFEE-BREAK**

Chairman

Prof. G.I.Kanel

- 17:45 Condensed carbon phase transitions on the liquid carbon–diamond contact border
Basharin Andrey Yurievich (JIHT RAS, Moscow, Russia), Lysenko I. Yu, Dozdikov V. S.
- 18:00 Continual-atomistic modelling of femtosecond laser ablation of metals
Fokin Vladimir Borisovich (JIHT RAS, Moscow, Russia), Levashov P. R., Povarnitsyn M. E., Khishchenko K. V.
- 18:15 Frozen nanostructures produced by ultrashort laser pulse
Khokhlov Victor Alexandrovich (ITP RAS, Chernogolovka, Russia), Inogamov N. A., Anisimov S. I., Zhakhovsky V. V., Emirov Yu. N., Ashitkov S. I., Komarov P. S., Agranat M. B.
- 18:30 Two-temperature equations of state for d-band metals irradiated by femtosecond laser pulses
Inogamov N. A., Petrov Yu. V., Zhakhovsky V. V., Migdal Kirill Petrovich (VNIIA, Moscow, Russia)
- 18:45 Atomistic simulation of laser pulse nanostructuring of metals: study of surface modification profile
Starikov Sergey (JIHT RAS, Moscow, Russia)
- 19:00–19:15 Phase-matched coherent radiation in two-stage transient-collisional excitation plasma-media x-ray laser
Nagorskiy Nikolay Mikhailovich (JIHT RAS, Moscow, Russia), Magnitskiy S. A., Faenov A. Y., Pikuz T. A.
- 20:00–23:00  **BANQUET**