



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

Conference Program, March 3, 2014

Oral Session 16:00

Chairman

Prof. V.B.Mintsev

- 16:00 Behavior of composites at pulsed loading (plenary)
Efremov Vladimir Petrovich (JIHT RAS, Moscow, Russia), Gins S. M., Degtyar V. G., Demidov B. A., Kalashnikov S. T., Khishchenko K. V., Khlybov V. I., Potapenko A. I., Utkin A. V.
- 16:30 Numerical study of shock wave impacts on dynamic objects
Grakhov Yu. V., Khlybov Vladimir Il'ich (OAO "Makeyev GRTs", Miass, Russia)
- 16:45 Theoretical and experimental investigation of plasma formation, propagation of radio signals and characterization of heat-resistant materials for hypersonic vehicles
Aksenov A. A., Bityurin V. A., Bocharov A. N., Bondar E. A., Degtyar V. G., Dyrenkov A. V., Khlybov V. I., Isakaev E. H., Kalashnikov S. T., Palkin E. A., Saveliev A. S., Savitsky D. V., Son E. E., Surzhikov S. T., Tereshonok Dmitry Viktorovich (JIHT RAS, Moscow, Russia), Tyftyaev A. S., Zhadjiev M. H., Zhlukov S. V.

17:00  **COFFEE-BREAK**

Chairman

Prof. A.V.Eremin

- 17:15 Ya. B. Zeldovich and problems of gas-dynamics with energy-release: Combustion, detonation, electrical discharge (plenary)
Son Eduard Evgenievich (JIHT RAS, Moscow, Russia)
- 17:45 Rayleigh–Taylor and Richtmayer–Meshkov instability of non-Newtonian fluids in the interactions of high energy particles and laser beams with the condensed matter
Doludenko Aleksey Nikolaevich (JIHT RAS, Moscow, Russia), Meshkov E. E., Son E. E.
- 18:00 The influence of the adiabatic index on the gas flows mixing in Mach shock waves reflection
Nesterov A. S., Gavrenkov Sergey Alekseevich (JIHT RAS, Moscow, Russia), Gvozdeva L. G.
- 18:15 Large scale detonation experiments with mixtures of propane and propane–acetylene in air
Gavrikov Andrey Igorevich (NRC KI, Moscow, Russia), Aleksandrov A. O., Chernenko E. V., Chaivanov B. B., Efimenko A. A., Schepetov N. G., Velmakin S. M., Zaretskiy N. P.
- 18:30 Evolution of spherical hydrogen–air flames at different initiation energy
Petukhov Vyacheslav Alexandrovich (JIHT RAS, Moscow, Russia), Gutkin L. D., Naboko I. M., Bublik N. P., Gusev P. A., Solntsev O. I.
- 18:45 Capillary oscillation of charged microdrop in dielectric liquid with account of viscosity
Khokonov Azamat Khazret-Alievich (KBSU, Nalchik, Russia)

19:00  **SUPPER**

20:00– **POSTER SESSION**

22:00