



Conference Program, March 2, 2014

Oral Session 16:00

Chairman

Prof. A.P.Savintsev

- 16:00 Equations of state: micro- and macro-approaches (plenary)
Kuropatenko Valentin Fedorovich (RFNC–VNIITF, Snezhinsk, Russia)
- 16:40 The impedance correction of the sample recovery capsule in the shock-wave lab at the TU Bergakademie Freiberg
Schlothauer Thomas (TUBAF, Freiberg, Germany), Heide G., Keller K., Kroke E.

17:00  **COFFEE-BREAK**

Chairman

Prof. V.V.Golub

- 17:15 Unusual behavior of usual materials in shock waves (plenary)
Kanel Gennady Isaakovich (JIHT RAS, Moscow, Russia)
- 18:00 Formation and structure of shock waves in elastic-plastic medium
Mayer A. E., Khishchenko Konstantin Vladimirovich (JIHT RAS, Moscow, Russia)
- 18:15 Modeling of behavior of heterogeneous ferroconcrete designs at dynamic loading
Radchenko Pavel (TSUAB, Tomsk, Russia), Batuev S. P., Radchenko A. V., Sarkisov D. Y., Goncharov M. E., Tigay O. Y., Plevkov V. S.
- 18:30 Lev Al'tshuler and physics of high dynamic pressures
Lomonosov Igor Vladimirovich (IPCP RAS, Chernogolovka, Russia)

19:00  **SUPPER**

Chairman

Dr. V.P.Efremov

- 20:00 Sizes of carbon particles in detonation of condensed high explosives
Ten Konstantin Alekseevich (LIH SB RAS, Novosibirsk, Russia), Titov V. M., Pruel E. R., Kashkarov A. O., Shekhtman L. I., Zhulanov V. V., Tolochko B. P.
- 20:15 The equation of state of a solid with a fractional derivative of Riemann–Liouville
Mamchuev Mukhtar Osmanovich (RIAMA KBRC RAS, Nalchik, Russia)
- 20:30 Shear-induced helical flow in a microchannel with super-hydrophobic wall
Vagner Sergey Aleksandrovich (IPCP RAS, Chernogolovka, Russia), Patlazhan S. A.
- 20:45 Studies on the synthesis of elements using the physics of explosion. Historical review
Sevalnikov Andrey Yurjevich (IPhRAS, Moscow, Russia)

21:30–  **COFFEE-END**

21:45