



Conference Program, March 2, 2017

Oral Session 16:00

Chairman

Prof. V. V. Golub

- 16:00 New data on the kinetics and governing factors of the spall fracture of metals
Kanel Gennady (JIHT RAS, Moscow, Russia), Razorenov S. V., Garkushin G. V., Savinykh A. S.
- 16:15 Using of W–Cu-alloys for shock synthesis experiments: A pathway to the 2 Mbar boundary?
Schlothauer Thomas (TUBAF, IIC, Freiberg, Germany), Schimpf C., Heide G., Kroke E.
- 16:30 Flyer acceleration by magnetic pressure on Angara-5-1 installation
Grabovski E. V., Branitskii A. V., Frolov I. N., Gribov A. N., Gritsuk A. N., Mitrofanov K. N., Laukhin Ya. N., Oleynik Georgy Mikhailovich (SRC RF TRINITI, Troitsk, Russia), Sasorov P. V., Shishlov A. O., Tkachenko S. I.
- 16:45 Diagnostics of carbon encapsulated iron nanoparticles by the pulse laser heating
Eremin A. V., Gurentsov E. V., Musikhin Stanislav Alexeevich (JIHT RAS, Moscow, Russia)
- 17:00 Numerical analysis of nanoparticles formation during femtosecond laser ablation of aluminum
Fokin Vladimir Borisovich (JIHT RAS, Moscow, Russia), Levashov P. R., Povarnitsyn M. E.

17:15



COFFEE-BREAK

Chairman

Prof. A. V. Eremin

- 17:30 Diagnostics of high-speed processes (plenary)
Petrov Dmitry Vitaljevich (FSUE RFNC–VNIITF, Snezhinsk, Russia)
- 18:00 Detection ejection of particles from the roughness of the shock-loaded metals with using synchrotron radiation
Ten Konstantin Alekseevich (LIH SB RAS, Novosibirsk, Russia), Pruel E. R., Kashkarov A. O., Rubtsov I. A., Antipov M. V., Georgievskaya A. B., Mikhaylov A. L., Spirin I. A., Zhulanov V. V., Shekhtman L. I., Tolochko B. P.
- 18:15 On the calculation of dynamic and heat loads on a 3D body in a hypersonic flow
Bocharov Aleksey (JIHT RAS, Moscow, Russia), Bityurin V. A., Golovin N. N., Evstigneev N. M., Fortov V. E., Petrovskiy V. P., Ryabkov O. I., Teplyakov I. O., Shustov A. A., Solomonov Yu. S.
- 18:30 Physical and computational modeling of injecting liquid interaction with high-speed air cross-flow
Arefyev Konstantin (CIAM, Moscow, Russia), Voronetskiy A. V., Prokhorov A. N., Saveliev A. S.
- 18:45 Study of the burning of hydrocarbon fuels in supersonic air flow
Degtiar V. G., Khlybov V. I., Grakhov Yu. V., Sherstnev Andrey Yevgenievich (Makeyev GRTs, Miass, Russia)
- 19:00 Influence of mixture composition and ignition timing on efficiency of spark ignition engine running on hydrogen-based mixtures
Zaichenko V. M., Tsyplakov A. I., Ivanov M. F., Kiverin A. D., Smygalina Anna Evgenievna (JIHT RAS, Moscow, Russia)
- 19:15 Rayleigh–Taylor instability in the process of high-speed collision of metal plates
Fortova S. V., Shepelev Vadim Vladimirovich (ICAD RAS, Moscow, Russia), Utkin P. S.
- 19:30 Numerical modelling interaction of shells and the aircraft engine with concrete protective designs
Radchenko P. A., Batuev S. P., Radchenko Andrey Vasilievich (TSUAB, Tomsk, Russia)
- 19:45 Interaction of the stream of the striking elements with barriers and cumulative ammunition
Radchenko Pavel Andreevich (TSUAB, Tomsk, Russia), Batuev S. P., Radchenko A. V.

20:00



SUPPER

21:00–

POSTER SESSION MARCH 2

23:00