



Conference Program, March 3, 2012

Oral Session 16:30

Chairman

Prof. G. E. Norman

- 16:30 Extreme states of nuclear explosion (plenary)
Fortov Vladimir Evgenievich (JIHT RAS, Moscow, Russia)
- 16:55 The application of the Talbot effect for the measurements of dispersion characteristic of refractive index in axisymmetric methane jet flame
Khramtsov Pavel Petrovich (HMTI NASB, Minsk, Belarus), Penyazkov O. G., Shatan I. N., Chernik M. Yu.
- 17:10 Auto-ignition of hydrogen-air mixtures at intermediate temperatures in rapid compression machine
Leschevich Vladimir Vladimirovich (HMTI NASB, Minsk, Belarus), Penyazkov O. G., Evmenchikov N. L.
- 17:25 Suppression of combustion and explosion of hydrogen-air mixtures in a large volume by using of AKAM inhibitor
Petukhov Viacheslav Aleksandrovich (JIHT RAS, Moscow, Russia), Naboko I. M., Bublik N. P., Gusev P. A., Gutkin L. D., Ponomarev O. Yu., Solntsev O. I.
- 17:40 Turbulence diagnostics in flows with shocks by digital BOS, Speckle and Talbot techniques
Fomin Nikita Aleksandrovich (HMTI NASB, Minsk, Belarus), Meleeva O. V.
- 17:55  **COFFEE-BREAK**

Chairman

Prof. A. V. Eremin

- 18:10 Laser wakefield electron acceleration: achievements and perspectives (plenary)
Andreev Nikolay Evgenievich (JIHT RAS, Moscow, Russia)
- 18:35 Laser supported detonation in a core of silica-based optical fiber
Efremov Vladimir Petrovich (JIHT RAS, Moscow, Russia), Fortov V. E., Frolov A. A.
- 18:50 Mathematical modeling of the fast ignition of the ICF targets
Zmitrenko Nikolay Vasilievich (KIAM RAS, Moscow, Russia), Guskov S. Yu.
- 19:05  **SUPPER**
- 20:00– **POSTER SESSION**
- 23:00