



Conference Program, March 1, 2012

Opening Ceremony 16:30

Introductory words by V. P. Efremov & A. P. Savintsev

Chairman

Prof. V. V. Golub

- 16:45 Semiclassical method in problems of quantum physics (plenary)
Shpatakovskaya Galina Vasilievna (KIAM RAS, Moscow, Russia)
- 17:10 Multiphase equation of state for titanium at high pressures and temperatures
Khishchenko Konstantin Vladimirovich (JIHT RAS, Moscow, Russia)
- 17:25 Improvement of wave packet molecular dynamics using packet splitting
Morozov Igor Vladimirovich (JIHT RAS, Moscow, Russia), Valuev I. A.

17:40  **COFFEE-BREAK**

Chairman

Prof. G. V. Shpatakovskaya

- 17:55 Potassium under pressure: electronic origin of complex structures
Degtyareva Valentina Feognievna (ISSP RAS, Chernogolovka, Russia), Degtyareva O.
- 18:10 Ab-initio simulation of isentropic compression of deuterium
Chentsov Alexey Victorovich (JIHT RAS, Moscow, Russia), Levashov P. R.
- 18:25 First-principle calculations of transport and optical properties of aluminum and silver
Knyazev Dmitry Vladimirovich (JIHT RAS, Moscow, Russia), Levashov P. R.
- 18:40 Atomistic modeling of graphite melting
Orekhov Nikita Dmitrievich (JIHT RAS, Moscow, Russia), Stegailov V. V.
- 18:55– Molecular dynamics study of crystal nucleation in aluminum melt
19:10 *Pisarev Vasily Vyacheslavovich (JIHT RAS, Moscow, Russia)*

19:30–  **BANQUET**
23:30