



## 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