

## Conference Program, March 4, 2015

### Oral Session 16:00

Chairman


Prof. I.L.Iosilevskiy

- 16:00 Permittivity of hot plasmas in wide frequency range  
*Veysman Mikhail Efimovich (JIHT RAS, Moscow, Russia), Reinholz H., Röpke G., Wierling A., Winkel M.*
- 16:15 Two-temperature equations of state and lattice stability of copper and gold  
*Migdal Kirill Petrovich (VNIIA, Moscow, Russia), Ilitsky D. K., Petrov Yu. V., Inogamov N. A.*
- 16:30 Pressure in electronically excited warm dense metals  
*Stegailov Vladimir Vladimirovich (JIHT RAS, Moscow, Russia), Zhilyaev P. A.*
- 16:45 On the kinetics of graphite melting: a molecular modeling approach  
*Orehhov Nikita Dmitrievich (JIHT RAS, Moscow, Russia), Stegailov V. V.*
- 17:00 Molecular dynamics simulation of melting and superionic transition in various structures: UO<sub>2</sub> and UN<sub>2</sub>  
*Korneva Maria Andreevna (JIHT RAS, Moscow, Russia), Starikov S. V.*

17:15  **COFFEE-BREAK**

Chairman

Prof. A.E.Mayer

- 17:30 Shape memory phenomena and x-ray diffraction studies on copper-based shape memory alloys  
*Adiguzel Osman (FiratUni, Elazig, Turkey)*
- 17:45 Calculation of elastic modules behind strong shock wave  
*Kraus Evgeny Ivanovich (ITAM SB RAS, Novosibirsk, Russia), Shabalin I. I.*
- 18:00 Thermodynamics and diffusivity of point defects in UN: atomistic simulations  
*Kuksin Alexey Yurievich (JIHT RAS, Moscow, Russia), Smirnova D. E., Starikov S. V., Yanilkin A. V.*
- 18:15 Molecular dynamic study of metal nuclear fuel features  
*Kolotova Lada Nikolaevna (JIHT RAS, Moscow, Russia), Smirnova D. E., Starikov S. V.*
- 18:30–18:45 Atomistic simulation of nucleation in metastable liquid metals under tension  
*Lopanitsyna Nataliya Yurievna (JIHT RAS, Moscow, Russia), Kuksin A. Yu.*
- 20:00–23:00  **BANQUET**