



Conference Program, March 1, 2014

Opening Ceremony 16:00

Introductory words by V.E.Fortov, V.P.Efremov, A.P.Savintsev

Chairman

Prof. V.F.Kuropatenko

16:20 Ya. B. Zeldovich and EOS problems (plenary)
Fortov Vladimir Evgen'evich (JIHT RAS, Moscow, Russia), Lomonosov I. V.

17:05  **COFFEE-BREAK**

Chairman

Prof. I.V.Lomonosov

17:20 Binodal layer in isentropic expansion of high energy density matter (plenary)
Iosilevskiy Igor L'vovich (JIHT RAS, Moscow, Russia), Borovikov D.

18:00 Structural simplicity and complexity of compressed calcium: electronic origin
Degtyareva Valentina Feognievna (ISSP RAS, Chernogolovka, Russia)

18:15 Thermodynamics of electrons in crystalline metals: comparison of different approaches
Sin'ko G. V., *Smirnov N. A.*, *Ovechkin A. A.*, *Levashov Pavel Remirovich (JIHT RAS, Moscow, Russia)*, *Khishchenko K. V.*

18:30 Ab initio calculations of transport and optical properties of aluminum and their theoretical interpretation
Knyazev Dmitry Vladimirovich (JIHT RAS, Moscow, Russia), Levashov P. R.

18:45 Molecular dynamics simulation of Fe–H with EAM potential: testing and detalization results
Emelin Dmitriy Anatol'yevich (SUSU, Chelyabinsk, Russia), Mirzoev A. A.

19:00  **SUPPER**

Chairman

Prof. I.L.Iosilevskiy

20:00 The centenary of birth of academician Yakov Borisovich Zeldovich (plenary)
Kuropatenko Valentin Fedorovich (RFNC–VNIITF, Snezhinsk, Russia)

20:40 Inclusion of shell effects in the statistical model of plasma
Shpatakovskaya Galina Vasilievna (KIAM RAS, Moscow, Russia), Karpov V. Ya.

20:55 Methods for calculating the shell correction in the Thomas–Fermi model
Dyachkov Sergey Aleksandrovich (JIHT RAS, Moscow, Russia), Levashov P. R.

21:10 Evaluation of thermal conductivity of metals in the field of centrifugal accelerations and forces
Lepeshkin Alexander Roaldovich (CIAM, Moscow, Russia), Bychkov N. G.

21:25 Vapor–liquid critical point for cut-off Coulomb non-ideal plasma model
Butlitsky M. A., *Zelener Boris Borisovich (JIHT RAS, Moscow, Russia), Zelener B. B.*

21:40–
21:55  **COFFEE-END**