



## Conference Program, March 4, 2012

### Oral Session 16:30

Chairman

*Prof. N. E. Andreev*

- 16:30 Improvement of laser contrast in experiments with high-intensity beams  
*Povarnitsyn M. E., Andreev N. E., Levashov Pavel Remirovich (JIHT RAS, Moscow, Russia), Khishchenko K. V., Rosmej O. N.*
- 16:45 Thermal conductivity due to s-s and s-d electron interaction in nickel at high electron temperatures  
*Khokhlov Victor Alexandrovich (ITP RAS, Chernogolovka, Russia), Petrov Yu. V., Inogamov N. A.*
- 17:00 Combined molecular and hydrodynamic modelling of metals irradiated by ultrashort laser pulses  
*Fokin Vladimir Borisovich (JIHT RAS, Moscow, Russia), Levashov P. R., Povarnitsyn M. E., Khishchenko K. V.*
- 17:15 Particularities of properties of matter in the field of negative pressures created by means of picosecond laser pulse  
*Krasyuk I. K., Abrosimov S. A., Bazhulin A. P., Voronov V. V., Pashinin P. P., Semenov A. Yu., Stuchebryukhov I. A., Khishchenko Konstantin Vladimirovich (JIHT RAS, Moscow, Russia)*

17:30



**COFFEE-BREAK**

Chairman

*Prof. G. I. Kanel*

- 17:45 Investigation of AlO molecules emission formation obtained by Al target vaporization by radiation of pulsed CO<sub>2</sub>-laser  
*Yanilkin Igor Vital'evich (JIHT RAS, Moscow, Russia), Velichko A. M., Shkol'nikov E. I.*
- 18:00 Clustering and recombination of point defects in Mo under irradiation. Molecular dynamics simulation  
*Yanilkin Alexey Vital'evich (JIHT RAS, Moscow, Russia)*
- 18:15 Atomistic simulation of track formation by heavy ion in nuclear materials  
*Starikov Sergey Valerievich (JIHT RAS, Moscow, Russia), Stegailov V. V., Norman G. E.*
- 18:30–18:45 Kinetics of metal evaporation and condensation under the high-current electron irradiation  
*Mayer Polina Nikolaevna (CSU, Chelyabinsk, Russia), Khishchenko K. V., Levashov P. R., Mayer A. E.*
- 18:45 Equation of state of krypton  
*Khokonov Azamat Khazretalievich (KBSU, Nalchik, Russia)*

19:00



**SUPPER**

Chairman

*Prof. N. V. Zmitrenko*

- 20:00 Z-pinch in helium at initial pressure of 10–25 MPa  
*Pinchuk M. E., Bogomaz Alexander Alexeevich (IEE RAS, Saint-Petersburg, Russia), Budin A. V., Rutberg Ph. G., Losev S. Yu., Pozubenkov A. A., Svetova V. Yu.*
- 20:15 GPU-accelerated molecular dynamics simulations of nonideal plasmas  
*Bystryi Roman Grigorevich (JIHT RAS, Moscow, Russia), Morozov I. V.*
- 20:30 Rate of recombination in strongly coupled ion plasma  
*Lankin Alexander Valerievich (JIHT RAS, Moscow, Russia), Norman G. E., Amirov R. Kh.*
- 20:45 Anomalous diffusivity of ionic liquids. Classical molecular dynamics study  
*Ivanovskis Glebs Evgenievichs (JIHT RAS, Moscow, Russia), Norman G. E., Stegailov V. V., Usmanova D. R.*
- 21:00 Stochastic properties of ionic liquid  
*Usmanova Dinara Ravilevna (MIPT, Dolgoprudny, Russia), Norman G. E., Ivanovskis G. E.*
- 21:15–21:30 Experimental study of gas outflow from discharge chambers  
*Glushniova Alexandra Vladimirovna (MIPT, Dolgoprudny, Russia), Saveliev A. S.*