



Conference Program, March 5, 2012

Oral Session 16:30

Chairman

Prof. O. B. Naimark

- 16:30 Strain rate and temperature effects on the flow stress and strength of metals and alloys under shock-wave loading (**plenary**)
Kanel Gennady Isaakovich (JIHT RAS, Moscow, Russia), Razorenov S. V., Garkushin G. V., Zaretsky E. B., Ashitkov S. I.
- 16:55 Shock compression of double walled carbon nanotubes
Milyavskiy Vladimir Vladimirovich (JIHT RAS, Moscow, Russia), Mases M., Waldbock J., Dossot M., Devaux X., McRae E., Soldatov A. S.
- 17:10 "Phase freezeout" in isentropically expanding warm dense matter
Iosilevskiy Igor L'vovich (JIHT RAS, Moscow, Russia)
- 17:25 Permittivity of aluminum plasma: quantum statistical and kinetic approaches
Veysman Mikhail Efimovich (JIHT RAS, Moscow, Russia), Reinholz H., Roepke G., Wierling A., Winkel M.

17:40



COFFEE-BREAK

Chairman

Prof. A. P. Savintsev

- 17:55 Coulomb ensemble of charged diamagnetic macroparticles in a magnetic trap under microgravity conditions
Myasnikov M. I., Petrov O. F., Fortov V. E., D'yachkov Lev Gavriilovich (JIHT RAS, Moscow, Russia), Vasiliev M. M., Savin S. F., Kaleri A. Yu., Borisenko A. I.
- 18:10 Dynamic dust particle confinement in gas flow
Lapitsky Dmitry Sergeevich (JIHT RAS, Moscow, Russia)
- 18:25 Experimental investigation of equilibrium structural properties of dust monolayers in rf-discharge
Vasilieva Elena Valer'evna (JIHT RAS, Moscow, Russia), Vaulina O. S., Petrov O. F., Fortov V. E.
- 18:40 Simulation of dust particles motion in gas discharge plasma
Timofeev Alexey Vladimirovich (JIHT RAS, Moscow, Russia)

18:55

CLOSING CEREMONY

Concluding words by V. E. Fortov, V. P. Efremov & A. P. Savintsev

19:10



SUPPER