

Oral Sessions - Monday, November 24, 2008

Chair: H. Ofuji

- 9:00-9:40 **O01.** T. Irifune
Facilities and some recent topics at ultra-high pressure laboratory, GRC
- 9:40-10:00 **O02.** T. Inoue
High Pressure studies for the effect of water on Earth mantle materials
- 10:00-10:20 **O03.** T. Tsuchiya
Ab initio study in geosciences
- 10:20-10:40 **O04.** M. Kameyama
Mantle Convection Simulations at GRC– Tools, Outcrops and Future Prospects –
- 10:40-11:00 Coffee Break
- Chair: T. Inoue
- 11:00-11:20 **O05.** H. Kagi
Spectroscopic and neutron diffraction studies on deep-earth materials
- 11:20-11:40 **O06.** K.Funakoshi, Y. Higo, Y. Tange
High pressure research using synchrotron radiation and multianvil press at SPring-8
- 11:40-12:00 **O07.** B. Li, R. Liebermann, D. Weidner
Probing the Earth's Interior Using Phonons and Photons at Mantle Pressure and Temperature Conditions
- 12:00-12:20 **O08.** Y.Wang
Synchrotron-based high-pressure research facility at GSECARS, Advanced Photon Source
- 12:20-13:30 Lunch
- Chair: T. Tsuchiya
- 13:30-13:50 **O09.** Z. Jin
High Pressure and Temperature Study at GPMR, China
- 13:50-14:10 **O10.** X. Liu
High pressure laboratory and high pressure experimental research at Peking University
- 14:10-14:30 **O11.** D. Yu, X. Han, Y. Sun, Z. Liu, Y. Tian
Synthesis and Characterization of Calcium Tetraboride Crystal
- 14:30-14:50 **O12.** Y.Zhang, G. Guo
Molecular Dynamics Simulations of Deep Earth Materials
- 14:50-15:10 **O13.** W.Zhou, H. Li, H. Tang, H. Zhang, H. Xie
Laboratory for Study of the Earth's Interior and Geofluids : Present and Future
- 15:10-15:30 Coffee Break
- Chair: M. Kameyama
- 15:30-15:50 **O14.** D. He, L. Lei, J. Qin, C. Chen, F. Wang, Y. Zou
High Pressure Research at Sichuan University
- 15:50-16:10 **O15.** H. Jung & S. Lee
*Deformation of rocks in the upper mantle
Probing and Modeling of Pressure-induced Structural Transitions in Amorphous and Crystalline Oxides at High Pressure: Insights from inelastic x-ray scattering & NMR*
- 16:10-16:30 **O16.** J. Kung
High pressure research program at NCKU: Current and future
- 16:30-16:50 **O17.** H. O'Neill
High pressure experimental research at RSES, ANU
- 17:00-19:00 **Poster sessions**
- 19:30-21:30 Dinner at Nigitatsu-kaikan