

## 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