

1st GRC International Seminar for Young Scientists

Date: 20 Mar 2008, 14:00-17:15

Place: Integrated Research bldg, 1st floor (Joho Syori Sitsu)
Ehime University



Program

- 14:00-14:25 **K. Idehara** (GRC, Ehime Univ.)
Geographic distribution and short-wavelength structures of ultra-low velocity zones in the lowermost mantle
- 14:25-14:50 **T. Kunimoto** (GRC, Ehime Univ.)
High pressure generation in a 6-8-2 type multi-anvil apparatus: A performance test for third-stage anvils with various diamond
- 14:50-15:15 **S. Gréaux** (GRC, Ehime Univ.)
Experimental study of the incorporation of uranium and thorium in Al-rich CaSiO_3 perovskite at lower mantle conditions
- 15:15-15:40 **H. Arima** (Univ. Tokyo)
Pressure-induced structural changes in four-fold coordinated liquids
- 15:40-16:00 Coffee Break
- 16:00-16:25 **A. Shimojuku** (Tohoku Univ.)
Si and O diffusion in wadsleyite and ringwoodite and implications for transport properties the mantle transition zone
- 16:25-16:50 **J. Tsuchiya** (GRC, Ehime Univ.)
First principles investigation on the structural and elastic properties of hydrous wadsleyite
- 16:50-17:15 **Y. Kono** (GRC, Ehime Univ.)
Self-consistent pressure-volume-temperature equation of state of MgO and its application to the postspinel transformation in the Earth's mantle
- 18:30- Night session