

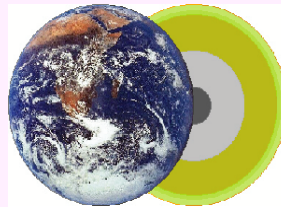
# ***The 380th Geodynamics Seminar***

## **High pressure experiments using quantum beams**

**Dr. Takehiko Yagi (Distinguished Professor, GRC)**

**Date: 03.20.2014 (Thursday) 16:30 ~**

**Venu: Meeting Room #486,  
Science Research Bldg 1,  
Ehime University**



### **Abstract**

I enjoyed two years stay at GRC and in this seminar I am going to summarize various research projects I was involved in during these two years. Most of them were made using quantum beams such as synchrotron radiation X-ray at SPring-8 and Photon Factory, and pulsed neutron beam at J-PARC. The project I am going to talk about are: Construction of PLANET beam line at J-PARC, High pressure neutron experiments on Fe-MgSiO<sub>3</sub>-D<sub>2</sub>O system, “Terra-pascal” project using micro diamond anvil, and synthesis of Li-doped diamond. I am going to report the current status of each project and perspectives for the future.