

Geodynamics Seminar

第349回ジオダイナミクスセミナー

Post-GCOE programs and recent advances in synthesis and applications of NPD

Dr. Tetsuo Irifune (Professor & Director, GRC)

主催: 愛媛大学地球深部ダイナミクス研究センター

日時: 2/8(金) 午後 4時30分～

場所: 総合研究棟 4F 会議室



Abstract

The global COE program “Deep Earth Mineralogy” is coming to end successfully thanks to the great efforts of the members of GRC and of other allied groups. On the other hand, a new World Premier Institute (WPI) program “Earth-Life Science Institute (ELSI)”, proposed by Prof. Kei Hirose of TiTech was selected as one of the 10 WPI programs in all research fields in Japan, where GRC is expected to play an important role as the ELSI-Ehime Satellite (“ELSI-ES”). Moreover, we have been applying for the National Joint Usage/Research Center program to make GRC the only national research center for ultrahigh-pressure sciences (Premier Research Institute for Ultrahigh-pressure Science, “PRIUS”). Here, I will briefly talk about outlines of these post-GCOE programs. Synthesis of nano-polycrystalline diamond (NPD or HIME-diamond) developed at GRC is one of the key technologies relevant to these programs, and I will also introduce recent progress concerning this novel material, highlighting its applications to high-pressure studies, industrial tools, and making other advanced hard ceramics and gem-quality polycrystalline minerals.

詳細は当センターホームページ: <http://www.ehime-u.ac.jp/~grc/>をご覧ください

問い合わせ先: 桑山 靖弘 (TEL:089-927-8408, e-mail: kuwayama@sci.ehime-u.ac.jp)