International Session (Oral) | Symbol S (Solid Earth Sciences) | S-IT Science of the Earth's Interior & Techtonophysics

[S-IT03_29PM2] Structure and dynamics of Earth and Planetary deep interiors

Convener: *Satoru Tanaka (Institute for Research on Earth Evolution Japan Agency for Marine-Earth Science and Technology), Takashi Yoshino (Institute for Study of the Earth's Interior, Okayama University), Masanori Kameyama (Geodynamics Research Center, Ehime University), Dapeng Zhao (Department of Geophysics, Tohoku University), John Hernlund (ELSI, Tokyo TECH), Chair: John Hernlund (Earth-Life Science Institute, Tokyo Institute of Technology), Kenji Ohta (Department of Earth and Planetary Sciences, Tokyo Institute of Technology)

Tue. Apr 29, 2014 4:15 PM - 6:00 PM  418 (4F)

Interdisciplinary approach can lead to a better understanding of dynamics and evolution of the deep interiors of the Earth and planets. We welcome any submissions of recent results in observational, theoretical and experimental studies on seismology, geomagnetism, mineral physics, dynamics of deep interiors, and any other relevant fields from researchers in many countries. Integration of such results is also welcome.

5:45 PM - 6:00 PM

[SIT03-P01_PG] Single crystal elasticity by means of GHz ultrasonics and Brillouin scattering in DAC II

3-min talk in an oral session

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Keywords: mantle, DAC, single crystal elasticity, GHz ultrasonics

We have been developing simultaneous measurement of GHz ultrasonics and Brillouin scattering in DAC. At JpGU 2013, we presented fundamental feasibility of GHz ultrasonics in DAC. This year, we will present succeeding progress of it.