

Report of the Task Group Meeting at IUGG 2007 in Perugia

August 18, 2007

At the IUGG Assembly in Perugia, Italy, “Task Group on Scattering and Heterogeneity” had a special two sessions on July 11 afternoon, 2007 in the framework of IASPEI-SS001 symposium on “Seismic Observations and Interpretation”. Two oral sessions were chaired by Haruo Sato, Ludovic Margerin, Edoardo Der Pezzo and Michael Korn. There were 13 oral presentations without any cancellation. There were also 10 poster presentations in relation to this subject in the evening of the same day. We had very active and lively discussions with participants from the world through both oral and poster sessions.

We had a task group meeting there with the following participants and more:
Sato Haruo, Nishigami Kinya, Nakahara Hisashi, Saito Tatsuhiko, Matsumoto Satoshi, Takahashi Tsutomu, Maeda Takuto, Sawazaki Kaoru...Japan.
Del Pezzo Edoardo, Tramelli Anna...Italy.
Korn Michael, Wegler Ulrich, Przybilla Jens....Germany
Margerin Ludovic, Montagner Jean-Paul.....France.
Ugalde Arantza, Eduard Carcole....Spain.
Wu Ru-Shan....USA.

Haruo Sato reported the group activity for the period from 2005 until 2007 as attached: enrichment of task group web site <http://www.scat.geophys.tohoku.ac.jp/>, workshops organized by task group members, activity reports uploaded to the web site, and publication activities. Especially, we thank Wu and Maupin for completing the book project of the task group: “*Advances in Wave Propagation in Heterogeneous Earth*” (Eds. Wu and Maupin) was published as volume 48 of *Advances in Geophysics Series* of Academic Press in early 2007. He also reported that the editing process of the second volume entitled “*Scattering of Short-Period Seismic Waves in Earth Heterogeneity* (tentative title)” was started since 2006 by Sato and Fehler.

We had lively discussion through the meeting, oral and poster sessions. We agreed the importance of the exchange of ideas between theoretical studies and analytical works especially in short period seismology. In theory, it is necessary to bridge a gap between wave theory in random media and the radiative transfer theory in scattering media. In observation, it is more necessary to classify regional differences of short-period seismogram envelopes in relation with seismo-tectonic settings. We also discussed possible international collaboration and exchange of young scientists focusing on the task group research subjects.

Haruo SATO

Chair of the Task Group on Scattering and Heterogeneity

Dept. of Geophysics, Graduate School of Science, Tohoku University
Aramaki-Aza-Aoba 6-3, Aoba-ku, Sendai-shi, Miyagi-ken, 980-8578, Japan
Phone: 81-22-795-6531, Fax: 81-22-795-6783
E-mail: sato@zisin.geophys.tohoku.ac.jp