

MARCH 6, 2015

DPRI-ENS-IPGP WORKSHOP

NEXT GENERATION SEISMOLOGY

ROOM 310, IPGP



Experimental and Observational Seismology

- 10:00 - 10:20 François Passelègue Rupture processes during laboratory earthquakes
- 10:20 - 10:40 Alexandre Schubnel Deep earthquakes reproduced in the laboratory
Velocity dependent mechanism of peak friction coefficient between granular material and plane surface inferred from photoelasticity experiment results
- 10:40 - 10:55 Toshiyasu Takaya Very dense seismic array observations in Furukawa, Japan: spatial variation of earthquake ground motion
- 10:55 - 11:15 Hiroyuki Goto
- Break

Practical Seismology

- 11:30 - 11:45 Ryohei Akiyama Finite element simulation for sloshing behavior of liquefiable soil
- 11:45 - 12:00 Takaaki Ikeda Crack propagation on soil embankment based on X-FEM considering tensile failure mode
- 12:00 - 12:20 Nobuaki Fuji Towards 4D localised seismic waveform inversion
- 12:20 - 12:40 Kimiyuki Asano How to weight the data in the kinematic source inversion
- Lunch break

Source Physics of Seismology

- 14:00 - 14:15 Miho Tanaka Dynamic triggering between two source faults during the 2010 Darfield, New Zealand, earthquake
- 14:15 - 14:30 Hisahiko Kubo Period-dependent seismic radiation for the 2011 Tohoku-oki earthquake estimated by multi period-band source modeling
- 14:30 - 14:50 Claudio Satriano Fault segmentation and segment interactions: a seismological perspective
- 14:50 - 15:05 Ryota Kiuchi Estimation of Radiated Seismic Energy from Teleseismic Body Waves
- Break
- 15:20 - 15:40 Jim Mori Radiated and Frictional Energy for the 2011 Tohoku Earthquake
- 15:40 - 16:00 Harsha Bhat Dynamics of Dip-Slip Faulting
- 16:00 - 16:20 Martin Vallée Earthquake source characteristics from global analysis of moment rate functions
- 16:20 - 17:00 Discussion (Room 3000)