"Les grands séismes: observation et modélisation"
Prof. B. Romanowicz, Chaire de Physique de l'Intérieur de la Terre

Bibliographie Cours no 6

Asano, Y. T. Saito, Y. Ito et al. (2011) Spatial distribution and focal mechanisms of aftershocks of the 2011 off the Pacific coast of Tohoku Earthquake, Earth Planet. Scpace, 63, 669-673.

Avouac, J. P., L. Meng et al. (2015) Lower edge of locked Main Himalayan Thrust unzipped by the 2015 Gorkha earthquake,Nat. Geosc., 8, 708-712.

Bouchon, M. , V. Durand, D. Marsan et al. (2013) The long precursory phase of most large interplate earthquakes, Nat. Geosc., 6, 299-302.

Bouchon, M., H. Karbulut et al. (2011) Extended Nucleation of the 1999 *M*w 7.6 Izmit Earthquake, Science, 331 877-880.

Calais, E. and J. B. Minster (1995) GPS detection of ionospheric perturbations following the January 17, 1994, Northridge earthquake, Geophys. Res. Lett., 22, 1045-1048.

Heki, K. S. Miyazaki and H. Tsuji (1994) Silent fault slip following an interplate thrust earthquake at the Japan Trench, Nature, 386, 595-598.

Heki, K. (2011) Ionospheric electron enhancement preceding the 2011 Tohoku-Oki earthquake, Geophys. Res. Lett., 38, L17312.

Hu, Y., R. Bürgmann, N. Uchida et al. (2016) Stress-driven relaxation of heterogeneous upper mantle and time-dependent afterslip following the 2011 Tohoku earthquake, J. Geophys. Res., 121, 385-411.

Kanamori, H. (2014) The Diversity of Large Earthquakes and Its Implications for Hazard Mitigation, Annu. Rev. Earth Planet. Sci., 42, 7-26.

Kato, K., K. Obara et al. (2012) Propagation of Slow Slip Leading Up tothe 2011*M*w 9.0 Tohoku-Oki Earthquake, Science, 335, 705-708.

Koper, K., A. Hutko, T. Lay, C. J. Ammon and H. Kanamori(2011) Frequency-dependent rupture process of the 2011 *M*w 9.0 Tohoku Earthquake: Comparison of short-period *P* wave backprojection images and broadband seismic rupture models, Earth Sci. Space, 63, 599-602.

Lay, T., H. Kanamori et al. (2012) Depth-varying rupture properties of subduction zone megathrust faults, J. Geophys. Res., 117, B04311.

Nadeau, R. M.. and T. V. McEvilly (1999) Fault slip rates at depth from recurrence intervals of repeating microearthquakes, Science, 285, 718-721.

Obara, K. and A. Kato (2016) Connecting slow earthquakes to huge earthquakes, Science 353, 253-256.

Occhipinti, G., L. Rolland, P. Lognonné nd S. Watada (2013) From Sumatra 2004 to Tohoku-Oki 2011: The systematic GPS detection of the ionospheric signature induced by tsunamigenic earthquakes, J. Geophys. Res., 118, 3626-3636.

Occhipinti, G., P. Lognonné, E. Alam Kherani and H. Hébert (2006) Three-dimensional waveform modeling of ionospheric signature induced by the 2004 Sumatra tsunami, Geophys. Res. Lett., 33, L20104.

Shcherbakov, R. (2004) A generalized Omori's law for earthquake aftershock decay, Geophys. Res. Lett., 31, L11613.

Sun, T. , K. Wang et al. (2014) Prevalence of viscoelastic relaxation after the 2011 Tohoku-oki earthquake, Nature, 514, 84-87.

Tanaka, T, T. Ichinose et al. (1984)HF-Doppler observations of acoustic waves excited by the Urakawa-Oki earthquake on 21 March 1982, J. Atm. Terr. Phys., 46, 233-245.

Tsugawa, T., A. Saito et al. (2011) Ionospheric disturbances detected by GPS total electron content observation after the 2011 off the Pacific coast of Tohoku Earthquake, Earth Planets Space, 63, 875-879

Uchida, N and T. Matsuzawa (2013) Pre- and postseismic slow slip surrounding the 2011 Tohoku-oki earthquake rupture , Earth Planet. Sci. Lett., 374, 81-91.

Uchida, N., T. Iinuma, et al. (2016) Periodic slow slip triggersmegathrust zone earthquakes in northeastern Japan, Science, 351, 488-492.

Yue, H. T. Lay, L. Rivera et al. (2014) Localized fault slip to the trench in the 2010 Maule, Chile Mw = 8.8 earthquake from joint inversion of high-rate GPS, teleseismic body waves, InSAR, campaign GPS, and tsunami observations, J. Geophys. Res., 119, 7786–7804,