

EGU 2010 – Seismology (SM)

O: Oral Presentation (Lecture Room) / P: Poster Presentation (First Poster Board)

TB: 1: 08:30–10:00 / 2: 10:30–12:00 / 3: 13:30–15:00 / 4: 15:30–17:00 / 5: 17:30–19:00 / 6: 19:00–20:00

Division Business Meeting: Tu, 12:15–13:15, Room 28

Session	Title	TB	Mo	Tu	We	Th	Fr
ML25	Beno Gutenberg Medal Lecture by Jean Paul Montagner	1 2 3 4 5			O (28)		
SM1 – General Contributions							
SM1.0/G25/GD2.17/ GM1.5/GMPV37/NH4.0/ NH5.3/SSP1.9/TS8.4	Large Magnitude Earthquakes and Tsunami Activity in 2010: Views on The Haiti and Chile Events	1 2 3 4 5 6	O (D) O (D)				
SM1.1	Open Session on Seismology (including Beno Gutenberg Medal Lecture)	1 2 3 4 5		O (28) O (28)		P (XL244)	
SM1.2/G21/GD3.4/ TS10.4	Observing the European plate: Sensor networks and data infrastructures	1 2 3 4 5			O (27)		
SM1.3	Seismic Centers Data Acquisition	1 2 3 4 5			O (27)		
TS4.1/G22/GD2.4/ GM5.2/SM1.4	Coupling topography, surface erosion and tectonics	1 2 3 4 5		O (32)		P (A453)	
SM1.5/TS8.8	Active Seismic studies of the Crust	1 2 3 4 5			O (27)		P (XL285)
SM1.7/GD6.7/TS1.4	The deep Earth: Looking down into the Mantle and core.	1 2 3 4 5		O (27)		P (XL276)	
SM2 – Earthquakes Sources & Faults							
TS2.2/NH4.7/SM2.1	Mechanics, structure and evolution of fault zones	1 2 3 4 5	O (30) O (30) O (30) O (30) P (A485)				
SM2.2/GD2.15/HS13.9/ NH4.13/TS2.6	Fault zone processes from (integrated) geophysical imaging	1 2 3 4 5			O (27)		P (XL260)
SM2.4/NH4.8/TS8.9	Earthquake Source Rupture Models, Slip Distribution Studies, and Nucleation and Growth of Fault Systems	1 2 3 4 5		O (27) O (27)		P (Z125)	
SM2.6/AS4.8	Research and Development in Nuclear Explosion Monitoring	1 2 3 4 5			O (28) O (28) O (28) P (XL303)		

Session	Title	TB	Mo	Tu	We	Th	Fr
SM2.7	Seismotectonics: New results and approaches	1 2 3 4 5					O (27) P (XL344)
TS8.3/G8/SM2.8	Large continental faults and related earthquake cycle: short vs long term slip rate and their role in continental deformation	1 2 3 4 5					O (32) P (A465)
SM3 – Case History Studies							
SM3.1/GD3.5	The Mediterranean: A complex tectonic boundary	1 2 3 4 5					P (XL272)
SM3.2/GD2.9/TS1.7	The 100th anniversary of the discovery of the Mohorovicic Discontinuity: Its geophysical and petrological characteristics	1 2 3 4 5					P (XL283)
TS8.6/SM3.3	Seismotectonics of the Marmara Sea region	1 2 3 4 5					O (32) P (A487)
GD5.2/G23/NH4.12/ SM3.5/TS6.10	Subduction zone dynamics: seismogenic zone and forearc deformation	1 2 3 4 5					O (31) O (31)
TS6.8/GD5.6/NH4.14/ SM3.6	Caribbean and South American subduction zones: subduction processes and resulting tectonics, seismogenesis and fore-arc evolution	1 2 3 4 5					P (A21) O (32) O (32) P (A483)
SM4 – Early Warning, Prediction & Hazards							
SM4.1/NH4.11	Earthquake and Tsunami Early Warnings	1 2 3 4 5					O (27) P (XL296)
SM4.2/NH4.9	Time-dependent earthquake processes and seismic hazard: physics and statistics	1 2 3 4 5		O (28) O (28)			
NH4.1/SM4.3	Earthquake Risk and Loss Estimates: New Directions	1 2 3 4 5					P (Z140)
NH4.2/SM4.4	Seismic hazard evaluation, precursory phenomena and reliability of prediction	1 2 3 4 5					O (3) O (3) P (XY551)
SM5 – Theory, Methods & Algorithms							
SM5.1	Noise Interferometry: What can we learn from noise ?	1 2 3 4 5					O (27) O (27) P (XL361)
SM5.2	Earthquakes and seismic wave propagation: forward and inverse modelling	1 2 3 4 5	O (28)				
SM5.3	Depth imaging and tomographic inversion of active seismic data: methodological advances and applications	1 2 3 4 5					P (XL289) O (28) P (XL303)

Session	Title	TB	Mo	Tu	We	Th	Fr
SM5.4	Seismic tomography - state of the art: algorithms and results	1 2 3 4 5	O (28) O (28)	P (XL318)			
SM5.5	Imaging the shallow subsurface with seismic and GPR methods	1 2 3 4 5	O (27)	P (XL336)			
SM5.6	Multi-Disciplinary Studies in Geophysics	1 2 3 4 5	O (27)	P (Z158)			
SM6 – Multidisciplinary Studies							
SM6.2/GD2.8/TS1.6	Multidisciplinary Constraints on the Lithospheric Structure, Evolution, and Mantle Processes	1 2 3 4 5	O (27) O (27)	P (XL311)			
NH4.3/SM6.3	Seismo electro-magnetic phenomena and earthquakes precursors	1 2 3 4 5	O (3) O (3) O (3)	P (XY384)			
NH4.4/SM6.4	Deformation processes and accompanying mechanical and electromagnetic phenomena, for rocks and other materials, from the laboratory to the geophysical scale	1 2 3 4 5	O (1)	P (XY585)			
SM6.5/ERE2.3	CO2 sequestration geophysics and predictive modelling	1 2 3 4 5	O (6) P (XL382)				
TS8.5/G19/GD2.10/GMPV43/NH4.6/SM6.6	Crustal faulting and deformation processes observed by interferometric synthetic aperture radar (InSAR)	1 2 3 4 5	O (32) O (32)	P (A510)			
GD6.5/GMPV47/SM6.11	The mantle from surface to core: integrating seismology, mineral physics, geodynamics and petrology	1 2 3 4 5	O (31) O (31)	P (A14)			
GD6.6/GMPV53/MPRG20/PS9.2/SM6.12	The deep mantle, plumes, and chemical heterogeneity: structure, dynamics, and evolution	1 2 3 4 5	O (31) O (31)	P (A30)			
GD7.1/MPRG19/PS9.4/SM6.13	Constraints on Earth's core dynamics from observation, experiments and numerical modeling	1 2 3 4 5	O (31)	P (A98)			
MPRG23/GMPV57/SM6.14/TS3.4	Elastic and Inelastic Properties under in situ High P-T Conditions	1 2 3 4 5	P (A411)				
GI1	Open Session on Geoscience Instrumentation	1 2 3 4 5	O (39)	P (A109)			
SM7 – Earthquakes and Tectonics							
TS8.1/G16/GD2.11/GM1.2/GMPV46/HS13.1/MPRG18/NH4.5/SM7.1	One year after the Abruzzo 2009 earthquake	1 2 3 4 5	O (30) O (30)	P (A454)			
TS8.2/SM7.2	Earthquake Geology	1 2 3 4 5	O (32) O (32)	P (A473)			
MPRG13/GMPV54/NH10.6	Rock Physics and Natural Hazards	1 2 3 4 5	O (42)	P (A391)			