



Workshop on Seismology and Geodynamics

Date: 11-12 November 2013

Location: 2F Conference Room, Institute of Earth Sciences, Academia Sinica.

Monday, 11 November 2013

Time	Titles	Speakers
09:30 - 09:35	Introduction	Li Zhao
09:35 - 10:15	GRACE applications for large earthquakes and Earth interior	Fong Chao
10:15 - 10:55	The PYROPE experiment : Methodological developments and preliminary results	Sebastien Chevrot
10:55 - 11:10	Coffee Break	
11:10 - 11:50	Surface-wave phase-velocity tomography in Asia	Cédric Legendre
11:50 - 12:30	Spatial variations of seismic attenuation in the Pyrenean crust from S-wave coda analysis: Observations and models	Marie Calvet
12:30 - 14:00	Lunch Break	
14:00 - 14:40	Full-waveform inversion for Earth structure and earthquake sources	Li Zhao
14:40 - 15:20	Coupling between solid Earth and atmosphere: Detecting surface waves and tsunamis in the atmosphere	Raphael Garcia
15:20 - 15:40	Azimuthal seismic anisotropy beneath Northeastern US from Rayleigh-wave phase velocity	Yi-Fan Yin
15:40 - 15:55	Coffee Break	
15:55 - 16:35	Constraints on crustal deformation and mantle dynamics using new approaches for receiver functions	Vera Schulte-Pelkum
16:35 - 17:15	Ambient noise Rayleigh-wave tomography of crustal structure beneath central Tibet	Shu-Huei Hung
17:15 - 17:55	Monitoring temporal changes with seismic coda waves	Ludovic Margerin
17:55 - 18:00	Discussion	



Workshop on Seismology and Geodynamics

Tuesday, 12 November 2013

Time	Titles	Speakers
09:30 - 10:10	Time-dependent inner core seismic structures	Wen-che Yu
10:10 - 10:50	Inner core dynamics and the role of the exchange with outer core	Marc Monnereau
10:50 - 11:05	Coffee Break	
11:05 - 11:45	Additional geophysical constraints for the lowermost mantle thermo-chemical structure	Frederic Deschamps
11:45 - 12:25	Spin crossover in the Earth's lower mantle	Han Hsu
12:25 - 14:00	Lunch Break	
14:00 - 14:20	Full-wave interpretation of shear-wave splitting	Yu-Pin Lin
14:20 - 15:00	Trench-parallel flow in the southern Ryukyu subduction system: Effects of progressive rifting of the overriding plate	Shu-Chuan Lin
15:00 - 15:40	Flow structure of the wedge and slab mantle of the Ryukyu subduction zone implied by seismic anisotropy	Ban-Yuan Kuo
15:40 - 15:55	Coffee Break	
15:55 - 16:15	The anti-correlation between shear-wave velocity and depth of the D" discontinuity beneath the Caribbean and Central America	Yen-Ting Ko
16:15 - 16:55	Seismic detection of post-perovskite in the Earth	Laura Cobden
16:55 - 17:35	Mantle dynamics and its degree of compositional and thermal heterogeneity	Henri Samuel
17:35 - 18:15	Intrinsic high viscosity of the LLSVPs	Eh Tan
18:15 - 18:30	Discussion	