## Workshop on Seismology and Geodynamics

**Date:** 11-12 November 2013  
**Location:** 2F Conference Room, Institute of Earth Sciences, Academia Sinica.

**Monday, 11 November 2013**

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<thead>
<tr>
<th>Time</th>
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<th>Speakers</th>
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<tr>
<td>09:30 - 09:35</td>
<td>Introduction</td>
<td>Li Zhao</td>
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<tr>
<td>09:35 - 10:15</td>
<td>GRACE applications for large earthquakes and Earth interior</td>
<td>Fong Chao</td>
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<tr>
<td>10:15 - 10:55</td>
<td>The PYROPE experiment : Methodological developments and preliminary results</td>
<td>Sebastien Chevrot</td>
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<td>10:55 - 11:10</td>
<td>Coffee Break</td>
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<tr>
<td>11:10 - 11:50</td>
<td>Surface-wave phase-velocity tomography in Asia</td>
<td>Cédric Legendre</td>
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<td>11:50 - 12:30</td>
<td>Spatial variations of seismic attenuation in the Pyrenean crust from S-wave coda analysis: Observations and models</td>
<td>Marie Calvet</td>
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<td>12:30 - 14:00</td>
<td>Lunch Break</td>
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<td>14:00 - 14:40</td>
<td>Full-waveform inversion for Earth structure and earthquake sources</td>
<td>Li Zhao</td>
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<tr>
<td>14:40 - 15:20</td>
<td>Coupling between solid Earth and atmosphere: Detecting surface waves and tsunamis in the atmosphere</td>
<td>Raphael Garcia</td>
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<td>15:20 - 15:40</td>
<td>Azimuthal seismic anisotropy beneath Northeastern US from Rayleigh-wave phase velocity</td>
<td>Yi-Fan Yin</td>
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<td>Coffee Break</td>
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<td>15:55 - 16:35</td>
<td>Constraints on crustal deformation and mantle dynamics using new approaches for receiver functions</td>
<td>Vera Schulte-Pelkum</td>
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<td>16:35 - 17:15</td>
<td>Ambient noise Rayleigh-wave tomography of crustal structure beneath central Tibet</td>
<td>Shu-Huei Hung</td>
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<td>17:15 - 17:55</td>
<td>Monitoring temporal changes with seismic coda waves</td>
<td>Ludovic Margerin</td>
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<td>17:55 - 18:00</td>
<td>Discussion</td>
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<td>09:30 - 10:10</td>
<td>Time-dependent inner core seismic structures</td>
<td>Wen-che Yu</td>
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<td>10:10 - 10:50</td>
<td>Inner core dynamics and the role of the exchange with outer core</td>
<td>Marc Monnereau</td>
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<td>10:50 - 11:05</td>
<td><strong>Coffee Break</strong></td>
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<td>11:05 - 11:45</td>
<td>Additional geophysical constraints for the lowermost mantle thermo-chemical structure</td>
<td>Frederic Deschamps</td>
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<td>11:45 - 12:25</td>
<td>Spin crossover in the Earth's lower mantle</td>
<td>Han Hsu</td>
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<td>Full-wave interpretation of shear-wave splitting</td>
<td>Yu-Pin Lin</td>
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<td>14:20 - 15:00</td>
<td>Trench-parallel flow in the southern Ryukyu subduction system: Effects of progressive rifting of the overriding plate</td>
<td>Shu-Chuan Lin</td>
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<td>15:00 - 15:40</td>
<td>Flow structure of the wedge and subslab mantle of the Ryukyu subduction zone implied by seismic anisotropy</td>
<td>Ban-Yuan Kuo</td>
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<td>15:55 – 16:15</td>
<td>The anti-correlation between shear-wave velocity and depth of the D&quot; discontinuity beneath the Caribbean and Central America</td>
<td>Yen-Ting Ko</td>
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<td>Seismic detection of post-perovskite in the Earth</td>
<td>Laura Cobden</td>
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<td>Mantle dynamics and its degree of compositional and thermal heterogeneity</td>
<td>Henri Samuel</td>
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<td>17:35 – 18:15</td>
<td>Intrinsic high viscosity of the LLSVPs</td>
<td>Eh Tan</td>
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<td>18:15 – 18:30</td>
<td><strong>Discussion</strong></td>
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