

# The 1<sup>st</sup> IES-ERI Joint Symposium 2026

Venue: 2F Lecture Hall, Institute of Earth Sciences, Academia Sinica

Date: January 12-13, 2026

## Day 1 – January 12

08:30-09:00	Registration
09:00-09:10	Opening Remarks & Group Photos
<b>Session I</b>	<b>Subduction zone</b> <i>Host: Ya-Ju Hsu</i>
09:10-09:30	<b>Masa Kinoshita</b> Geometrical Dependence of seamount subduction on slip tendency: Does it promote or prohibit locking?
09:30-09:50	<b>Ya-Ju Hsu</b> Geodetic and Seismic Observations of Seismogenic Features along the Southern Ryukyu Trench
09:50-10:10	<b>Kimi Mochizuki</b> Inter-segment tectonics of the Ryukyu Trench subduction zone
10:10-10:30	<b>Osamu Sandanbata</b> Recent Tsunamis Generated by Submarine Volcanic Activity in the Izu-Bonin Arc
10:30-10:50	<b>Jing-Yi Lin</b> Possible Oceanic Intraplate Deformation in a Subduction-Collision Transition Zone: An Example from Offshore Eastern Taiwan
10:50-11:10	Coffee Break & Poster

<b>Session II</b>	<b>Seismology</b> <i>Host: Wu-Cheng Chi</i>
11:10-11:30	<b>Wu-Cheng Chi</b> Imaging Fluids, Heat and Gas Hydrates in a Convergent Boundary: International 2D/3D Seismic, Heat Flow and MeBo Drilling off SW Taiwan–Implications for Future Ryukyu Trench Drilling
11:30-11:50	<b>Shiann-Jong Lee</b> Real-time seismic moment tensor determination at local and global scales
11:50-12:10	<b>Kiwamu Nishida</b> Origin of S-wave microseisms
12:10-12:30	<b>Hsin-Hua Huang</b> Enhancing Seismic Imaging Capabilities for Geothermal Prospecting
12:30-13:30	Lunch Break
<b>Session III</b>	<b>Volcano</b> <i>Host: Hsin-Hua Huang</i>
13:30-13:50	<b>Cheng-Horng Lin</b> 4-D seismic tomography in the Tatun volcano group of Taiwan
13:50-14:10	<b>Kerry Sieh</b> Toward a quantitative understanding of the Tatun Volcanic Group, Taiwan, via geomorphology, geochronology and geochemistry
14:10-14:30	<b>Yohei Yukutake</b> Seismic activity, subsurface structure beneath Hakone volcano, and its relation to magma-hydrothermal system
14:30-14:50	<b>Ryo Honda</b> Investigating Earthquakes beneath Owakudani: A Collaborative Study with Academia Sinica, Taiwan

<b>Session III</b>	<b>Volcano</b> <i>Host: Hsin-Hua Huang</i>
14:50-15:10	<b>Jian-Cheng Lee</b> Reconstructing geothermal conceptual models by combining geophysical, geochemical and geological studies in Tatun volcanoes area, Northern Taiwan and implications for Superhot geothermal exploration
15:10-15:30	Coffee Break & Poster
15:30-17:00	Group Discussion / Business Meeting

## Day 2 – January 13

08:30-09:00	Registration
<b>Session IV</b>	<b>Geology and Crustal Deformation</b> <i>Host: Alexandre Canitano</i>
09:00-09:20	<b>Tatsuya Ishiyama</b> Recent advances in understanding structures and tectonics of active faults along the PHS margin
09:20-09:40	<b>Yu Wang</b> The surface rupture and near-fault deformation of the 2025 Mw 7.7 Myanmar earthquake.
09:40-10:00	<b>Yuji Itoh</b> Investigating early postseismic deformation using subdaily GNSS
10:00-10:20	<b>Alexandre Canitano</b> High-resolution strain measurements for characterizing aseismic deformation in the Longitudinal Valley, Taiwan
10:20-11:00	Coffee Break & Poster

<b>Session V</b>	<b>Geodynamics</b> <i>Host: Eh Tan</i>
11:00-11:30	<b>Hikaru Iwamori</b> Geofluid mapping based on simultaneous analysis of seismic velocity and electrical conductivity
11:30-11:50	<b>Eh Tan</b> Modeling magma and fluid flow within the deforming mantle wedge and accretionary wedge in subduction zones
11:50-12:10	<b>Ban-Yuan Kuo</b> Heterogeneous interplate coupling controls the Ryukyu Arc retreat and the continental rifting at the Okinawa Trough
12:10-13:30	Lunch Break
<b>Session VI</b>	<b>Earth Interior</b> <i>Host: Eh Tan</i>
13:30-13:50	<b>Frédéric Deschamps</b> Deep mantle structure and composition: insights from simulations of thermo-chemical convection
13:50-14:10	<b>Takehiko Hiraga</b> Upper mantle viscosity and anisotropy due to grain-boundary disordering
14:10-14:30	<b>Akimichi Taketa</b> Particle Geophysics : neutrino oscillation and muon bundle
14:30-15:30	Coffee Break & Poster
15:30-17:00	Group Discussion / Business Meeting