

The 1st 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
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09:00-09:10	Opening Remarks & Group Photos
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Session I	Subduction zone Host: Ya-Ju Hsu
09:10-09:30	Masa Kinoshita Geometrical Dependence of seamount subduction on slip tendency: Does it promote or prohibit locking?
09:30-09:50	Ya-Ju Hsu Geodetic and Seismic Observations of Seismogenic Features along the Southern Ryukyu Trench
09:50-10:10	Kimi Mochizuki Inter-segment tectonics of the Ryukyu Trench subduction zone
10:10-10:30	Osamu Sandanbata Recent Tsunamis Generated by Submarine Volcanic Activity in the Izu-Bonin Arc
10:30-10:50	Jing-Yi Lin Possible Oceanic Intraplate Deformation in a Subduction-Collision Transition Zone: An Example from Offshore Eastern Taiwan
10:50-11:10	Coffee Break & Poster

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

Session III	Volcano <i>Host: Hsin-Hua Huang</i>
14:50-15:10	Jian-Cheng Lee Reconstructing geothermal conceptual models by combining geophysical, geochemical and geological studies in Tatun volcanoes area, Northern Taiwan and implications for Superhot geothermal exploration
15:10-15:40	Coffee Break & Poster
15:30-17:00	Group Discussion / Business Meeting

Day 2 – January 13

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

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