

Hokudan International Symposium on Active Faulting 2025

Program

Thursday, January 23rd

Recent disastrous earthquakes and active faults

in JST (UT+9) (Chaired by J. Bruce H. Shyu)

09:00--09:25 Okumura, K.: Opening address / 2024 January 1st Noto Peninsula earthquake

09:25--09:50 Wang, Yu, Wu S-H., Li, Y-Y., Cheng, W-Sa., Duan, Siang, Saw Myat Min, Ei Mhone Nathar Myo, and Shyu, J. Bruce H.: The co-seismic and post-seismic cross-fault deformation of the 2022 eastern Taiwan earthquakes
(Chaired by Wang Yu)

09:50--10:15 Shyu, J. Bruce H. and Wang, Yu.: Lessons learned from the 2022 and 2024 eastern Taiwan earthquakes for future seismic hazard assessments

10:15--10:40 Cinti, F.R. and Pantosti, D.: Findings and issues for paleoseismologists from the destructive 2016 Central Italy earthquake sequence

10:40--11:05 Lombardi A.M., Cinti F.R., and Pantosti D.: Probability assessment of next fault ruptures from paleoseismological data in Central Apennines (Italy)

11:05--11:15 break

(Chaired by K. Okumura)

11:15--11:40 Özdemir, E. Kürçer, A., Elmacı, H., Güven, C., Güler, T., Avcu, İ., Olgun, Ş., Avcı, H.O., Aydoğan, H., Yüce, A.A., and Özalp, S. The assessment of February 06 2023 Pazarcık (Kahramanmaraş) earthquake (MW 7.8) on the East Anatolian Fault Zone in Türkiye within slip distribution and the structural features

11:40--12:05 Meghraoui, M., Çakır, Z., Kariche, J., Toussaint, R., Provost, F., Karabaçak, V., Sbeinati, R., Altunel, E., and Nemer, T.: The 2023 Mw 7.8 Kahramanmaraş earthquake rupture increases failure potential along the northern Dead Sea Fault

12:05--12:30 Taşkın, B. and Yazar, M.: The Aftermath of 2023 Kahramanmaraş, Türkiye Earthquakes.: Ground Motions, Site Effects and Structural Failures

12:30--12:55 Kondo, H. and Özalp, S.: Paleoseismological Researches Before and After the 2023 Destructive Earthquakes on the East Anatolian Fault System

New findings and progress in active fault research 1

12:55--13:20 Malik, J. N., Dhali, M., Gadhavi, M. S., Prabhat, K., Ansari, M. A., Sharma, N. K., Srivastava, E., Kumaiya, M., and Sahoo, S.: Surface rupture signatures of historical earthquakes from Kumaon, Central Himalaya.: Implications for Seismic Hazard Assessment

Friday, January 24th

New findings and progress in active fault research 2

in JST (UT+9) (Chaired by T. Azuma)

- 09:00--09:25 Ikeda, M. and Onishi, K.: Spatial transition of rupture behavior along the Median Tectonic Line active fault zone in Shikoku, Japan
- 09:25--09:50 Ogami, T., Maruyama, T., Tara, K., Kazui, N., Kubo, T., Mukaiyama, K., Hosoya, T., and Goto, S.: Offshore active fault survey on Futagawa Fault Zone, Kyushu, southwestern Japan
- 09:50--10:15 Ando, R. Fukushima, Y. Yoshida, K. and Imanishi, K.: Nonplanar Fault Geometry Controls the Spatiotemporal Distributions of Slip and Uplift.: Evidence from the Mw 7.5 2024 Noto Peninsula, Japan, Earthquake
- 10:15--10:40 Nishimura, T. and Ueda, T.: Long-term forecast model for crustal earthquakes using geodetic data in Japan
- 10:40--11:05 Chen, Cheng-Hung and Shyu, J. Bruce H.: Offshore seismogenic structure database of the Taiwan Earthquake Model (TEM)

11:05--11:15 break

(Chaired by D. Pantosti)

- 11:15--11:40 Audemard, F. A. and Pousse-Beltrán, L.: The first Amerindian earthquake victim, swallowed by a Boconó Fault open-crack, at the Aroa Range foothills, Yaracuy state, Venezuela
- 11:40--12:05 Audemard M., F. A., Diederix, H., Fonseca P., H. A., Jiménez, J., Mora-Páez, H., Bohórquez-Orozco, O., Gómez-Hurtado, E., Aguirre, L. M., Escobar-Rey, L. K., López-Isaza, J. A., Muñoz, O., González, D., Martínez, G., Ramírez, J., Tique, Y. P., Barragán, W., Idárraga-García, J., and Rendón-Rivera, A.: Recent paleoseismic investigations by trenching of the major Algeciras Fault, Eastern Cordillera of Colombia
- 12:05--12:30 Rachman, M. G., and Shah A.A.: Mapping Active Tectonic Deformation Domains of SE Asia.: Implications for Earthquake Hazards
- 12:30--12:55 Okumura, K.: Paleoseismology of the Himalayan Front in Nepal
- 12:55--13:20 Nakata, T. and Shimazaki, K.: Reexamination of historical coseismic uplifts of Murotsu Port, Kochi Prefecture and the time-predictable model for large earthquakes

Saturday, January 25th

Reminiscence of our deceased leaders in active fault research

in JST (UT+9) (Chaired by K. Okumura)

09:00--09:15 Azuma, T.: In memory of Professor Yoko Ota

09:15--09:30 Ttsumi, H.: In memory of Professor Robert S. Yeats

09:30--09:45 Meghraoui, M. and Klinger, Y.: In memory of Professor Paul Tapponier

09:45--10:00 Nakata, T.: In memory of Professor Tokihiko Matsuda “Father of active fault studies in Japan”

10:00--10:10 break

Hazard analyses of active faults

(Chaired by S. Toda)

10:10--10:35 Nishizaka, N. and Tsuji, T.: Developing probabilistic fault displacement hazard analysis frameworks for distal sites

10:35--11:00 Fujiwara, H.: Advancements in National Seismic Hazard Maps for Japan

11:00--11:25 Rockwell, T.K.: Short-term variations in earthquake production in the southern San Andreas fault system due to lake level variations in Lake Cahuilla, Salton Trough, California.: Implications for short-term slip rate variability

11:25--11:50 Schwartz, D. P.: Why the Probability of Refining Regional Earthquake Probabilities in the San Francisco Bay Region is Low--and Will Remain That Way

