

Monday, December 20

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| 09:30 (Taiwan) 10:30 (Japan) 14:30 (NZ) | Opening | |
| 09:35 (Taiwan) 10:35 (Japan) 14:35 (NZ) | Session I: Progress and advances in earthquake source studies (Convener: J. Bruce H. Shyu) | |
| | Presenter | Presentation title |
| 09:35-09:55 | Takashi Azuma (AIST, Japan) | Improvement plan of active fault database of Japan |
| 09:55-10:05 | Matt Gerstenberger (GNS Science, New Zealand) | NZ NSHM: Seismicity rate modelling overview |
| 10:05-10:15 | Russ Van Dissen (GNS Science, New Zealand) | Application of UCERF inversion model method to New Zealand |
| 10:15-10:30 | Bill Fry (GNS Science, New Zealand)/Andy Nicol (University of Canterbury, New Zealand) | Earthquake simulation model and seismic hazards for active faults in New Zealand |
| 10:30-10:45 | Geng-Pei Lin (National Taiwan University, Taiwan) | Recent progress towards integrating geodetic data and geodetic rates for PSHA in Taiwan |
| 10:45-11:00 | Cheng-Hung Chen (National Taiwan University, Taiwan) | Constructing the offshore seismogenic structure source database in Taiwan |
| 11:00 (Taiwan) 12:00 (Japan) 16:00 (NZ) | Discussion on earthquake source studies | |
| 11:30 (Taiwan) 12:30 (Japan) 16:30 (NZ) | Break | |

| 12:00 (Taiwan) 13:00 (Japan) 17:00 (NZ) | Session II: Progress and advances in ground motion studies (Convener: Chung-Han Chan) | |
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| | Presenter | Presentation title |
| 12:00-12:15 | Robin Lee/Brendon Bradley (University of Canterbury, New Zealand) | Ground motion characterization model overview for the 2022 NZ NSHM update |
| 12:15-12:30 | Anna Kaiser (GNS Science, New Zealand) | Capturing local ground motions in seismic hazard: the Wellington basin case study |
| 12:30-12:45 | Chun-Hsiang Kuo (National Central University, Taiwan) | Observation of frequency-dependent nonlinear damping ratio for near-surface sediments |
| 12:45-13:00 | Jia-Cian Gao (National Central University, Taiwan) | Toward single-path ground motion prediction equation |
| 13:00-13:15 | Asako Iwaki (NIED, Japan) | Toward construction of strong-motion database for seismic hazard assessment in Japan |
| 13:15-13:30 | Tomohisa Okazaki (RIKEN, Japan) | Ground motion predictions using machine learning methods |
| 13:30 (Taiwan) 14:30 (Japan) 18:30 (NZ) | Discussion on ground motion studies | |
| 14:00 (Taiwan) 15:00 (Japan) 19:00 (NZ) | End of the first day, see you tomorrow! | |

| Tuesday, December 21 | | |
|---|---|---|
| 09:30 (Taiwan) 10:30 (Japan) 14:30 (NZ) | Session III: Progress and applications of national earthquake hazard models (Convener: Ruey-Juin Rau) | |
| | Presenter | Presentation title |
| 09:30-09:45 | Chung-Han Chan (National Central University, Taiwan) | Validation of the probabilistic seismic hazard assessment by the Taiwan Earthquake Model: Comparison with strong ground motion observations |
| 09:45-10:00 | Kuo-Fong Ma (National Central University, Taiwan) | Perspectives of TEM PSHA |
| 10:00-10:20 | Nobuyuki Morikawa (NIED, Japan) | The 2020 version of national seismic hazard maps for Japan |
| 10:20-10:35 | Matt Gerstenberger (GNS Science, New Zealand) | NSHM 2022 revision project overview and uptake to building codes |
| 10:35-10:50 | Christopher DiCaprio (GNS Science, New Zealand) | NSHM 2022 products and end-user engagement |
| 10:50 (Taiwan) 11:50 (Japan) 15:50 (NZ) | Discussion on applications of national earthquake hazard models | |
| 11:30 (Taiwan) 12:30 (Japan) 16:30 (NZ) | Break | |
| 12:00 (Taiwan) 13:00 (Japan) 17:00 (NZ) | Session IV-a: Short presentations (Convener: J. Bruce H. Shyu) | |
| 13:00 (Taiwan) 14:00 (Japan) 18:00 (NZ) | Session IV-b: General discussion and future directions | |
| 14:00 (Taiwan) 15:00 (Japan) 19:00 (NZ) | Farewell and hopefully see you all in Taiwan in October 2022! | |

List of short presentations in Session IV-a

| Presenter | Presentation title |
|---|---|
| Richard Styron (GEM Foundation, Italy) | Fault-network inversions of geologic and geodetic data for regional seismic hazard analysis |
| Chris Rollins (GNS Science, New Zealand) | Constraining the Rates of Large, Moderate and Small Earthquakes in New Zealand for the 2022 National Seismic Hazard Model |
| Jade Humphrey (University of Canterbury, New Zealand) | Earthquake Timings and Fault Interactions in Central New Zealand |
| Caroline Holden (SeismoCity Ltd, New Zealand) | Structural monitoring in Wellington using regional earthquakes |
| Govinda P. Niroula (University of Otago, New Zealand) | Testing and Evaluation of Earthquake Rupture Simulations for New Zealand |
| Yi-Wun Mika Liao (University of Canterbury, New Zealand) | Generating synthetic earthquake catalogs with RSQSim: impact on input parameters |
| Shu-Hsien Chao (National Center for Research on Earthquake Engineering, Taiwan) | Development of High-Resolution and High-Accuracy Shake-Map for Earthquakes in Taiwan by Implementing H/V Fourier Spectral Ratios |
| Jyun-Yan Huang (National Center for Research on Earthquake Engineering, Taiwan) | Theoretical shear wave radiation pattern build in Fourier amplitude spectra and pseudo spectral acceleration ergodic ground-motion models in Taiwan |
| Ming-Che Hsieh (National Central University, Taiwan) | Toward Seismic Hazard Assessment Using Physics-based Ground Motion Simulation in Taiwan |
| Chih-Hsuan Sung (University of California, Berkeley, USA) | Incorporation of 3-D Simulation Results Into Non-ergodic Ground-Motion Models: A Case of Megathrust Earthquakes on Cascadia Subduction Zone |