

Sunday, October 30

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| 12:00 | Assembling at Taipei Main Station | |
| 12:45-15:47 | Transportation | Route |
| | Tze-Chiang Limited Express (3000) | Taipei Main station to Yuli Station |
| 16:00-16:30 | Observing Fault Ruptures in Yuli Town | |
| 16:30-17:30 | Transportation | Route |
| | Shuttle Bus | Yuli Town to Luminous Hot Spring Resort |
| 17:00-18:30 | Registration | |
| 18:30-20:30 | Dinner (Banquet room) | |

Monday, October 31

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| 9:00-9:05 | Opening and Welcome | |
| 9:05 | Session III: Geodetic Strain | |
| | Chairs: J. Bruce H. Shyu, Andy Nicol | |
| | Presenter | Presentation Title |
| 9:05-9:20 | Shih-Han Hsiao (National Cheng Kung University, Taiwan) | Scenario Ground Motion and Coseismic Displacement Inferred from the Interseismic Velocity Field |
| 9:20-9:35 | Yogendra Sharma (National Cheng Kung University, Taiwan) | Present-day Crustal Deformation along the Nainital Himalaya: Role of Garampani-Kathgodam Fault |
| 9:35-9:50 | Satrio Muhammad Alif (National Cheng Kung University, Taiwan) | Preliminary Results of Earthquake Potential Estimation in Southern Sumatra, Indonesia Using GNSS Observations |
| 9:50 | Session IV: Sub-surface Structure Mapping | |
| | Chairs: J. Bruce H. Shyu, Andy Nicol | |
| | Presenter | Presentation Title |
| 9:50-10:05 (Virtual) | Andrew Howell (University of Canterbury, New Zealand) | Towards an Automated Workflow for the Creation of Complex 3D Fault Models |
| 10:05-10:20 | Discussion | |
| 10:20-10:40 | Coffee Break | |
| 10:40 | Session V: Ground Motion Prediction | |
| | Chairs: J. Bruce H. Shyu, Andy Nicol | |
| | Presenter | Presentation Title |
| 10:40-10:55 (Virtual) | Chun-Hsiang Kuo (National Central University, Taiwan) | Investigation of Shallow S-wave Velocity Structure and Site Response Parameters in Taiwan by Using High-density Microtremor Measurements |
| 10:55-11:10 (Virtual) | Chih-Hsuan Sung (UC Berkeley, U.S.A) | Non-Ergodic Ground-Motion Model for Taiwan Subduction Earthquakes Based on 3-D Simulations |
| 11:10-11:25 (Virtual) | Hongjun Si (Seismological Research Institute Inc., Japan) | Summary of the SMK NGA-Sub Ground-motion Model for Subduction Earthquakes |
| 11:25-11:40 (Virtual) | Asako Iwaki (National Research Institute for Disaster Resilience, Japan) | Comparison of Ground-Motion Models Based on the Strong Motion Database in Japan |
| 11:40-12:00 | Discussion | |
| 12:00-13:30 | Lunch | |

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| 13:30 | Session VI: Earthquake Scenario Simulation (Part 1) Chairs: Kuo-Fong Ma, Ken Xiansheng Hao | |
| | Presenter | Presentation Title |
| 13:30-13:45 | Caroline Holden (SeismoCity Ltd, New Zealand) | High-frequency Ground-shaking Simulations for Alpine Fault Earthquake Scenarios |
| 13:45-14:00 | Yin-Tung Yen (Sinotech Engineering Consultants Inc., Taiwan) | Scenario-based Ground Motion Simulation on Practical Application in Seismic Mitigation for Hsincheng Fault in Taiwan |
| 14:00-14:15 | Ming-Che Hsieh (National Central University, Taiwan) | Quantitative Assessing the Variability of Earthquake-source Models to Ground Motion Prediction: A Case Study in the Ryukyu Subduction Zone |
| 14:15 | Session VIII: Seismic Risk Analysis Chairs: Kuo-Fong Ma, Ken Xiansheng Hao | |
| | Presenter | Presentation Title |
| 14:15-14:30 | Wen-Tzong Liang (Academia Sinica, Taiwan) | Extracting Building Response from the Low-cost QGIS Seismic Network (QSN) for Structure Integrity Monitoring |
| 14:30-14:50 | Coffee Break | |
| 14:50 | Session VI: Earthquake Scenario Simulation (Part 2) Chairs: Kuo-Fong Ma, Ken Xiansheng Hao | |
| | Presenter | Presentation Title |
| 14:50-15:05 (Virtual) | Takahiro Maeda (National Research Institute for Disaster Resilience, Japan) | Long-duration Ground Motion Simulation Using a Smoothing Scheme with a Diffusionized Wave Equation |
| 15:05-15:20 (Virtual) | Anna Kaiser (GNS Science, New Zealand) | Rapid Characterisation of Earthquakes & Tsunami (R-CET Programme) – The Local Earthquake Challenge |
| 15:20-16:30 | Discussion and Poster | |
| 18:00-20:00 | Dinner (Banquet room) | |

Tuesday, November 1

| 9:00 | Session VII: PSHA and Applications (Part 1) | |
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| | Chairs: Ruey-Juin Rau, Takashi Azuma | |
| | Presenter | Presentation Title |
| 9:00-9:15 | Chung-Han Chan (National Central University, Taiwan) | Impacts of Clustering Events on a Probabilistic Seismic Hazard Assessment: A Case Study for Taiwan |
| 9:15-9:30 (Virtual) | Nobuyuki Morikawa (National Research Institute for Disaster Resilience, Japan) | Update of Seismic Activity Model in Ryukyu Islands for Seismic Hazard Assessment in Japan |
| 9:30-9:45 (Virtual) | Matt Gerstenberger (GNS Science, New Zealand) | The 2022 Aotearoa New Zealand National Seismic Hazard Model |
| 9:45-10:00 | Yi-Wun Mika Liao (GNS Science, New Zealand) | The Role of Frictional Heterogeneities in the Earthquake Cycle |
| 10:00-10:20 | Discussion | |
| 10:20-10:40 | Coffee Break | |
| 10:40 | Session VII: PSHA and Applications (Part 2) | |
| | Chairs: Ruey-Juin Rau, Takashi Azuma | |
| | Presenter | Presentation Title |
| 10:40-10:55 (Virtual) | Chris DiCaprio (GNS Science, New Zealand) | Computation and Data Management for Large Seismic Hazard Models: Application to the New Zealand National Seismic Hazard Model |
| 10:55-11:10 (Virtual) | Kiran Kumar Thingbaijam (GNS Science, New Zealand) | The Workflow for the Distributed Seismicity and Slab Source Models in the New Zealand National Seismic Hazard Model 2022 |
| 11:10-11:25 (Virtual) | Sanjay Bora (GNS Science, New Zealand) | Candidate Ground-Motion Models (GMMs) and Associated Hazard Sensitivities for New Zealand National Seismic Hazard Model (NSHM-2022) |
| 11:25-11:40 (Virtual) | Bill Fry (GNS Science, New Zealand) | Physics to Resilience: Next Generation Earthquake and Tsunami Response |
| 11:40-12:00 | Discussion | |
| 12:00-13:30 | Lunch | |

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| 13:30 | Session II: Active Faults and Paleoseismology (Part 1) | |
| | Chairs: Chung-Han Chan, Caroline Holden | |
| | Presenter | Presentation Title |
| 13:30-13:45 | Takashi Azuma (Geological Survey of Japan, AIST, Japan) | Active Fault Survey on "X-rank" Faults in Japan |
| 13:45-14:00 | Andy Nicol (University of Canterbury, New Zealand) | Incorporating Multi-fault Ruptures into the 2022 New Zealand Seismic Hazard Model |
| 14:00-14:15 | Jade Humphrey (University of Canterbury, New Zealand) | Implications of Paleoearthquake Timings and Synthetic Earthquake Catalogues for Fault Interactions in Central NZ |
| 14:15-14:30 | Cheng-Hung Chen (National Taiwan University, Taiwan) | Constructing the Offshore Seismogenic Structure Source Database by Taiwan Earthquake Model Project |
| 14:30-14:50 | Coffee Break | |
| 14:50 | Session II: Active Faults and Paleoseismology (Part 2) | |
| | Chairs: Chung-Han Chan, Caroline Holden | |
| | Presenter | Presentation Title |
| 14:50-15:05 | Hung-Yu Wu (National Cheng Kung University, Taiwan) | Earthquake Recurrence Interval and Stress Status in Milun Fault, Hualien, Taiwan |
| 15:05 | Session I: Records and Analysis of Recent Large Earthquakes | |
| | Chairs: Chung-Han Chan, Caroline Holden | |
| | Presenter | Presentation Title |
| 15:05-15:20 (Virtual) | Chris Rollins (GNS Science, New Zealand) | The Rates of Moderate and Large Earthquakes in the New Zealand Region, and Their Uncertainties |
| 15:20-16:30 | Discussion and Poster | |
| 18:00-20:00 | Dinner (Buffet room) | |

Wednesday, November 2

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| 9:00-10:30 | General Discussion and Future Direction | |
| 10:30-11:00 | Coffee Break | |
| 11:00-11:20 | Presenter | Presentation Title |
| | J. Bruce H. Shyu (National Taiwan University, Taiwan) | Introduction to the Field Trip and the 2022 Guanshan-Chihshang Earthquakes |
| 11:20-11:40 | Yu Wang (National Taiwan University, Taiwan) | What Do We Know the Chihshang Earthquakes? |
| 12:00 | Lunch (Banquet room) | |