

**Monday, September 16th, 14:20 - 15:50** **Conference Hall**

**Session Title:** SS1 - 1999 Mw7.6 Chi-Chi Earthquake: 20 years of scientific study  
 Earthquake  
 B3 - Seismotectonics

**Chair:** Yuan-His Lee, Ya-Ju Hsu

<b>14:20 - 14:40</b> SS1-005 (Invited Talk)	DEVELOPMENTS OF THE SEISMIC MONITORING IN TAIWAN AFTER THE 1999 CHI-CHI EARTHQUAKE  Speaker: Nai-Chi Hsiao
<b>14:40 - 15:00</b> SS1-003 (Invited Talk)	CGS'S INVESTIGATIONS ON ACTIVE FAULT IN TAIWAN SINCE 1997  Speaker: Shih-Ting Lu
<b>15:00 - 15:20</b> SS1-006 (Invited Talk)	SEISMOGENIC STRUCTURES IN WESTERN TAIWAN  Speaker: Yuan-His Lee
<b>15:20 - 15:35</b> B3-011	CO-AND POST-SEISMIC RESPONSES IN AMBIENT SEISMIC VELOCITY TO THE 1999 M <sub>w</sub> 7.6 CHI-CHI EARTHQUAKE IN CENTRAL TAIWAN  Speaker: Mong-Han Huang
<b>15:35 - 15:50</b> B3-016	THE STRUCTURE CHANGES OF THE 1999 CHI-CHI EARTHQUAKE FROM 4D TOMOGRAPHY  Speaker: Shunping Pei

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**Monday, September 16th, 14:20 - 15:50** **Room 101**

**Session Title:** C1 - Source modeling and ground motion simulations  
 C3 - Earthquake precursors and forecasting

**Chair:** Yin-Tung Yen, Yi-Wun Liao

<b>14:20 - 14:35</b> C1-011	DYNAMIC MODELING ON STRESS MODEL OF THE 1999 CHI-CHI, TAIWAN, EARTHQUAKE  Speaker: Chi-Jen Chen
<b>14:35 - 14:50</b> C1-013	SOURCE PARAMETER STUDY AND GROUND MOTION SIMULATION OF 1604 QUANZHOU EARTHQUAKE  Speaker: Yi-Wun Liao
<b>14:50 - 15:05</b> C1-014	SIMULATION OF PGV OF 1920 HUALIEN EARTHQUAKE WITH 3DEC: COMPARISON WITH HISTORICAL SEISMIC INTENSITY  Speaker: Chih-Cheng Chung
<b>15:05 - 15:20</b> C1-015	RUPTURE DYNAMICS OF THE 2012 NICOYA MW 7.6 EARTHQUAKE AND ITS APPLICATION IN PHYSICS-BASED GROUND VELOCITY PREDICTIONS  Speaker: Suli Yao
<b>15:20 - 15:35</b> C1-016	INFLUENCE OF LOW-VELOCITY LAYERS IN THE PHILIPPINE SEA PLATE REGION ON LONG-PERIOD GROUND MOTION IN THE TOKYO METROPOLITAN AREA  Speaker: Tomohiro Oguchi
<b>15:35 - 15:50</b> C3-015	TECTONIC IMPLICATIONS OF SOIL-GAS MONITORING FOR EARTHQUAKE SURVEILLANCE IN TAIWAN  Speaker: Vivek Walia

**Monday, September 16th, 14:20 - 15:50** **Room 103**

**Session Title:** B6 - The nature of aseismic slip: observations and simulations

**Chair:** Aitaro Kato, Kate Huihsuan Chen

<b>14:20 - 14:40</b> B6-002 (Invited Talk)	CHARACTERISTICS AND INTERPRETATION OF BROADBAND SLOW EARTHQUAKES  Speaker: Satoshi Ide
<b>14:40 - 15:00</b> B6-001 (Invited Talk)	RELATIONSHIPS BETWEEN SLOW SLIP, TREMOR AND LFES: EFFECT OF ALONG-DIP POSITION  Speaker: Heidi Houston
<b>15:00 - 15:15</b> B6-012	TIDAL MODULATION AND TECTONIC IMPLICATIONS OF TREMORS IN TAIWAN  Speaker: Kate Huihsuan Chen
<b>15:15 - 15:35</b> B6-003 (Invited Talk)	THE EVOLUTION OF FAULT SLIP RATE BEFORE EARTHQUAKE: THE INTERPLAY OF SLOW AND FAST SLIP  Speaker: Aitaro Kato
<b>15:35 - 15:50</b> B6-011	THE NATURE OF ASEISMIC SLIP IN SOUTHERN TAIWAN: THE MUD DIAPIR/VOLCANO  Speaker: Kuo-En Ching

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**Monday, September 16th, 14:20 - 15:50** **Room 201**

**Session Title:** SE5 –Revisiting probability seismic hazard assessment within 20 years after chichi earthquake (joint session with Taiwan earthquake model, TEM)

**Chair:** Brian Chiou, Yu-Wen Chang

<b>14:20 - 14:40</b> SE5-007 (Invited Talk)	GROUND MOTION PREDICTION EQUATIONS FOR CRUSTAL EARTHQUAKES IN TAIWAN  Speaker: Brian Chiou
<b>14:40 - 14:55</b> SE5-015	THE STUDY OF LOCAL SOURCE MODEL SETTING TO CONSIDER THE POSSIBLE GEOLOGIC STRUCTURE IN THE OFFSHORE LOCATION  Speaker: Yu-Wen Chang
<b>14:55 - 15:15</b> SE5-004 (Invited Talk)	TOWARD IMPROVEMENT OF SEISMIC HAZARD ASSESSMENT IN TAIWAN AND RYUKYU ISLANDS  Speaker: Ken Xiansheng Hao
<b>15:15 - 15:35</b> SE5-005 (Invited Talk)	PROBABILISTIC SEISMIC HAZARD ASSESSMENT FOR TAIWAN: TEM PSHA2019  Speaker: Chung-Han Chan
<b>15:35 - 15:55</b> SE5-008 (Invited Talk)	THE PROJECT SAM: DEVELOPMENT OF PROBABILISTIC SEISMIC GROUND MOTION HAZARD MAP FOR THE ENTIRE PHILIPPINES  Speaker: Adam Abinales

**Monday, September 16th, 14:20 - 15:50** **Room 202**

**Session Title:** SE12 - Seismic performance design, evaluation and retrofit for non-structural components

**Chair:** George C. Yao, Eun-Rim Baek

<b>14:20 - 14:35</b> SE12-011	A STUDY ON SEISMIC RETROFIT OF SUSPENDED TRANSPORTATION SYSTEMS AND AUTOMATED STORAGE SYSTEMS IN A HIGH-TECH FABRICATION PLANT Speaker: Min-Chi Ko
<b>14:35 - 14:50</b> SE12-029	SEISMIC PERFORMANCE OF SUSPENDED CEILING Speaker: Geoffrey Davidson
<b>14:50 - 15:05</b> SE12-023	REVIEW ON THE SEISMIC DESIGN METHOD FOR WATER SUPPLY TANKS INSTALLED ON VARIOUS LEVELS OF BUILDINGS Speaker: Eun-Rim Baek
<b>15:05 - 15:20</b> SE12-015	DESIGN OF SHAKING TABLE TEST FOR NEAR-FAULT EFFECT ON SLOSHING MODE OF WATER STORAGE TANK Speaker: Wei-Hung Hsu
<b>15:20 - 15:35</b> SE12-020	NUMERICAL ANALYSIS ON SEISMIC SHELTER AND EARTHQUAKE-PROOF FURNITURE Speaker: Chia-Chen Lin
<b>15:35 - 15:50</b> SE12-019	EXPERIMENTAL STUDY ON SEISMIC SHELTER AND EARTHQUAKE-PROOF FURNITURE Speaker: Chia-Chen Lin

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**Monday, September 16th, 14:20 - 15:50** **Room 203**

**Session Title:** SE7 - Development of steel structures for seismic urban regions

**Chair:** Hanbin Ge, Hsieh-Lung Hsu

<b>14:20 - 14:35</b> SE7-012	CYCLIC PERFORMANCE OF CONCRETE-FILLED LOW-YIELD STEEL PLATE COMPOSITE WALLS SUBJECTED TO IN-PLANE SHEAR AND AXIAL LOADS Speaker: Chin-Tung Cheng
<b>14:35 - 14:50</b> SE7-013	PERFORMANCE OF FRAMED STRUCTURES WITH STEEL RIM DAMPERS Speaker: Hsieh-Lung Hsu
<b>14:50 - 15:05</b> SE7-014	AN EXPERIMENTAL INVESTIGATION OF NATURALLY BUCKLING BRACES Speaker: Po-Chien Hsiao
<b>15:05 - 15:20</b> SE7-016	CYCLIC BEHAVIOR OF SQUARE HSS STEEL BRACES WITH WIDE-FLANGE SPLICED MID-SEGMENT Speaker: Chui-Hsin Chen
<b>15:20 - 15:35</b> SE7-017	PLASTIC DUCTILITY PERFORMANCE OF GRID-PURLIN SYSTEM CONNECTED TO WIDE FLANGE BEAM Speaker: Ryota Matsui
<b>15:35 - 15:50</b> SE7-021	EVALUATION OF SEISMIC PERFORMANCE FOR EXISTING STEEL MOMENT CONNECTIONS AND THE UPGRADING Speaker: Heui-Yung Chang

**Monday, September 16th, 14:20 - 15:50**

**Room 204**

**Session Title:** 5ICUDR

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**5<sup>th</sup> INTERNATIONAL CONFERENCE ON URBAN DISASTER  
REDUCTION - DECADES REVIEW ON RECOVERY: LEARNING  
FROM BEST PRACTICES**

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