

Tuesday, September 17th, 14:20 - 15:50 **Conference Hall**

Session Title: SE4 - Seismic design, evaluation and retrofit of bridge structure

Chair: W. Phillip Yen, Yu-Chen Ou

14:20 - 14:40 SE4-001 (Invited Talk)	BRIDGE SEISMIC PERFORMANCE FROM RECENT EARTHQUAKE RECONNAISSANCE Speaker: W. Phillip Yen
14:40 - 14:55 SE4-014	AN OVERVIEW OF EARTHQUAKE ENGINEERING RESEARCHES ON BRIDGE STRUCTURES IN NCEE AFTER THE 1999 CHI-CHI EARTHQUAKE Speaker: Yu-Chen Ou
14:55 - 15:10 SE4-012	INTRODUCTION OF THE TAIWAN FREEWAY BRIDGE SEISMIC RETROFIT PROGRAM Speaker: Kang-Yu Peng
15:10 - 15:25 SE4-015	RESPONSE OF BRIDGES WITH FOUNDATION EXPOSURE UNDER NEAR-FAULT GROUND MOTION Speaker: Shin-Tai Song
15:25 - 15:40 SE4-017	PARAMETRIC STUDY ON THE SEISMIC RESPONSES OF SIMPLY-SUPPORTED BRIDGES CROSSING FAULT-RUPTURE ZONES Speaker: Hsiao-Hui Hung

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Tuesday, September 17th, 14:20 - 15:50 **Room 101**

Session Title: SE2 - Seismic assessment, retrofit and repairability for existing RC buildings

Chair: Sutat Leelataviwat, Lyan-Ywan Lu

14:20 - 14:40 SE2-002 (Invited Talk)	COMPARISON OF SEISMIC STRENGTHENING METHODS FOR SOFT-STORY RC FRAMES USING BUCKLING-RESTRAINED BRACES AND CONCRETE JACKETING Speaker: Sutat Leelataviwat
14:40 - 14:55 SE2-023	SEISMIC RESPONSE OF A HALF-SCALE SEVEN-STORY REINFORCED CONCRETE STRUCTURE WITH TORSIONAL AND DAMAGE IRREGULARITIES Speaker: Tomomi Suzuki
14:55 - 15:10 SE2-029	A PRACTICAL PROCEDURE FOR COLLAPSE RISK ASSESSMENT OF MID-TO-HIGH RISE BUILDINGS Speaker: Lyan-Ywan Lu
15:10 - 15:25 SE2-033	SEISMIC REPAIRING AND STRENGTHENING OF POST-TENSIONED FLAT PLATE USING POST-INSTALLED SHEAR REINFORCEMENT Speaker: Jamaluddin ChalermThai
15:25 - 15:45 SE2-004 (Invited Talk)	STEEL FIBER REINFORCED CONCRETE COUPLING BEAMS WITH SIMPLIFIED REINFORCEMENT DETAILING: FROM RESEARCH TO PRACTICE Speaker: Gustavo J. Parra-Montesinos

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Room 103

Session Title: SE11 - Recent developments in high-performance structural systems and devices for earthquake resilient infrastructure
SE12 - Seismic performance design, evaluation and retrofit for non-structural components
G7 - Seismic isolation, energy dissipation and vibration control of structures

Chair: Arturo Tena-Colunga, Chung-Han Yu

14:20 - 14:35 SE11-025	RESEARCH OF HIGH-STRENGTH REINFORCED CONCRETE STRUCTURAL SYSTEM IN TAIWAN Speaker: Kai-Ning Chi
14:35 - 14:50 SE11-027	RESILIENT CODE-ORIENTED SEISMIC DESIGN FOR DUCTILE REINFORCED CONCRETE FRAMES WITH HYSTERETIC FUSES Speaker: Arturo Tena-Colunga
14:50 - 15:05 G7-011	STUDY ON THE ACTUAL RESPONSES OF SEISMIC ISOLATED STRUCTURE IN THE HUALIEN TZUCHI MEDICAL CENTER Speaker: Chung-Han Yu
15:05 - 15:20 SE12-034	EFFECTS OF MASS IRREGULARITIES ON SEISMIC RESPONSES OF RC FRAMED STRUCTURES Speaker: Hyung-Joon Kim
15:20 - 15:35 SE11-014	SHEAR BEHAVIOR OF STEEL REINFORCED ULTRA HIGH PERFORMANCE FIBER REINFORCED CONCRETE MEMBERS WITH HYBRID FIBERS Speaker: Manuel Bermudez

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Room 201

Session Title: B2 - Subduction zone earthquakes, structure & geodynamics
 B5 - Lesson learnt from recent large earthquakes
 B6 - The nature of aseismic slip: observations and simulations
 B7 - General seismology

Chair: Tai-Lin Tseng, Chun-Te Chen

14:20 - 14:40 B6-004 (Invited Talk)	MILLIHERTZ GROUND MOTION ON OCEAN BOTTOM PRESSURE DATA EXCITED BY LARGE REGIONAL EARTHQUAKES Speaker: Yoshihiro Ito
14:40 - 14:55 B2-012	THE 2018 Mw6.4 HUALIEN EARTHQUAKE: DYNAMIC SLIP PARTITIONING REVEALS THE SPATIAL TRANSITION FROM MOUNTAIN BUILDING TO SUBDUCTION Speaker: Yi-Ching Lo
14:55 - 15:10 B7-015	COULOMB STRESS CHANGES TRIGGERING SURFACE UPLIFT IN 2016 Mw 6.4 MEINONG EARTHQUAKE AND THEIR IMPLICATIONS FOR EARTHQUAKE-INDUCED MUD DIAPYRING Speaker: Hue Anh Mai
15:10 - 15:25 B5-013	LESSONS LEARNED FROM THE 2018 HUALIEN EARTHQUAKE: I. CHARACTERISTICS OF STRONG GROUND MOTIONS AND ITS CORRESPONDENCE TO DAMAGES FROM QUESTIONNAIRE SURVEY FOR HIGHRISE RESIDENTIAL BUILDINGS Speaker: Xin Wang
15:25 - 15:40 B5-015	LESSONS LEARNED FROM THE 2018 HUALIEN EARTHQUAKE: II. NONLINEAR RESPONSE ANALYSIS OF HIGH-RISE REINFORCED-CONCRETE BUILDINGS TO PULSE-LIKE GROUND MOTIONS Speaker: Tetsushi Watanabe
15:40 - 15:55 B5-014	LESSONS LEARNED FROM THE 2018 HUALIEN EARTHQUAKE: III. GENERATION OF LONG-PERIOD PULSE-LIKE GROUND MOTIONS Speaker: Xin Wang

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Tuesday, September 17th, 14:20 - 15:50 **Room 202**

Session Title: A0 - Earthquake geology and active faults
C2 - Fault-zone dynamics and modeling

Chair: Ming Chun Ke, Hung-Yu Wu

14:20 - 14:35 A0-013	ROLE OF SURFACE PROCESSES ON THE LOCATION OF LARGE SEISMOGENIC FAULTS IN TAIWAN Speaker: Jacques Malavieille
14:35 - 14:50 A0-012	APPLICATION OF THE NEW MORPHOLOGICAL ACTIVE FAULT DATABASE ON SEISMIC SCENARIO Speaker: Ming-Chun Ke
14:50 - 15:05 A0-015	QUASI-REGULAR BEHAVIER OF AN INTRAPLATE REVERSE FAULT INFERRED FROM THE FLIGHT OF DISPLACED TERRACES: AN EXAMPLE FROM THE KAMISHIRO FAULT, CENTRAL JAPAN Speaker: Naoya Takahashi
15:05 - 15:20 C2-012	OBSERVATIONS AND MODELING OF CO-SEISMIC STRESS CHANGES IN THE M7.6 CHI-CHI EARTHQUAKE TAIWAN – APPARENT EVIDENCE FOR COMPLETE STRESS DROP ON A SMALL FAULT PATCH Speaker: Hung-Yu Wu
15:20 - 15:35 A0-014	THE NEW REVEAL OF CHIHSHANG FAULTING AT TAPO, EASTERN TAIWAN Speaker: Mohammad Tri Fitrianto

Tuesday, September 17th, 14:20 - 15:50 **Room 203**

Session Title: A1 - Paleoseismology and tectonic geomorphology
A2 - Thrust tectonics

Chair: Maryline Le Béon, J. Bruce H. Shyu

14:20 - 14:35 A2-011	ACTIVE TECTONICS AND STRUCTURAL ARCHITECTURE AT THE PIEDMONT OF SOUTHWESTERN TAIWAN IN RELATION TO RECENT SEISMICITY AND OROGENY Speaker: Maryline Le Béon
14:35 - 14:50 A1-015	LANDFORM DEVELOPMENT PROCESSES OF THE WESTERN HENGCHUN TABLELAND IN SOUTHERN TAIWAN BASED ON UPLIFTED COASTAL FEATURES Speaker: Sze-Chieh Liu
14:50 - 15:05 A1-011	INTERACTION BETWEEN SLIP EVENTS, EROSION AND SEDIMENTATION ALONG ACTIVE STRIKE-SLIP FAULTS: INSIGHTS FROM GEOMORPHIC EXPERIMENTS Speaker: Jacques Malavieille
15:05 - 15:20 A1-013	PALEOSEISMIC STUDY OF THE MILUN FAULT ACTIVATED DURING THE 2018 MW 6.4 HUALIEN EARTHQUAKE RUPTURE IN EASTERN TAIWAN Speaker: Ya-Chu Tseng
15:20 - 15:35 A1-012	A PROPOSED METHODOLOGY FOR STUDING EARTHQUAKE DAMAGE ORIENTATION Speaker: Fidel Martin-Gonzalez

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Room 204

Session Title: 5ICUDR

L - Lessons learned from post-disaster response and recovery

M- Policy and implementation for reducing risk

14:20 - 14:35 L-016	STUDY ON ECOLOGICAL MOBILITY AND COMMUNITY FOOT-PATH MOVEMENT FOR RECOVERY AFTER THE 2016 KUMAMOTO EARTHQUAKE Speaker: Hitomi Murakami
14:35 - 14:50 L-011	RESEARCH ON EARTHQUAKE RESCUE AND EMERGENCY MANAGEMENT Speaker: Yun-Ming Tang
14:50 - 15:05 L-012	RESEARCH ON THE INSPIRATION OF CHINESE TRADITIONAL ARCHITECTURE DESIGN CONCEPTS AND SPIRITS IN THE MODERN ARCHITECTURE Speaker: Francis Lin
15:05 - 15:20 M-011	APPLYING COMPASSION INTO RESEARCH AND DEVELOPMENT AND PRACTICE TAKING THE GLOBAL DISASTER ASSISTANCE OF TZU CHI FOUNDATION AS AN EXAMPLE Speaker: Yu-Chi Huang
15:20 - 15:35 L-014	HELPING DISASTER VICTIMS AVOIDING FROM POST-TRAUMATIC STRESS DISORDER THE SOONER THE BETTER Speaker: Fang-Tsuang Lu
15:35 - 15:50 L-018	DISASTER RECOVERY AND REBUILDING: THE TZU CHI EXPERIENCE Speaker: Fang-Tsuang Lu

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