

Tuesday, September 17th, 16:10 - 17:40 **Conference Hall**

Session Title: SE8 - Past, present and future of seismic passive control technology
 G7 - Seismic isolation, energy dissipation and vibration control of structures

Chair: Herlien D. Setio, Chung-Che Chou

16:10 - 16:30 G7-001 (Invited Talk)	TOWARDS IMPLEMENTATION OF ACTIVE CONTROL SYSTEM USING ARTIFICIAL INTELLIGENT FOR FLEXIBLE STRUCTURES UNDER EARTHQUAKE EXCITATIONS Speaker: Herlien D. Setio
16:30 - 16:45 SE8-012	DEVELOPMENT AND VALIDATION OF SEISMIC-RESISTING DAMPERS: BUCKLING-RESTRAINED BRACE, SELF-CENTERING BRACE AND LEVER VISCOELASTIC WALL DEVICE Speaker: Chung-Che Chou
16:45 - 17:00 SE8-013	PERFORMANCE OF FRICTION-PENDULUM BEARING SYSTEMS SUBJECTED TO NEAR-FAULT GROUND MOTIONS Speaker: Ya-Heng Yang
17:00 - 17:15 SE8-016	BUILDING MASS DAMPER DESIGN BASED ON OPTIMUM DYNAMIC CHARACTERISTIC CONTROL APPROACH Speaker: Bo-Han Lee
17:15 - 17:30 G7-013	PERFORMANCE IDENTIFICATION OF BI-AXIAL DYNAMIC TESTING SYSTEM Speaker: Wang-Chuen Lin

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Tuesday, September 17th, 16:10 - 17:40 **Room 101**

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

Chair: Dyah Kusumastuti, Haeyong Park

16:10 - 16:30 SE7-003 (Invited Talk)	STUDY ON THE PERFORMANCE OF REPLACEABLE LINK ON SEISMIC RESISTANT STEEL STRUCTURES Speaker: Dyah Kusumastuti
16:30 - 16:45 SE7-011	SEISMIC PERFORMANCE OF DAMPED-OUTRIGGER SYSTEM INCORPORATING BUCKLING-RESTRAINED BRACES Speaker: Pao-Chun Lin
16:45 - 17:00 SE7-018	STRUCTURAL PERFORMANCE OF STEEL BEAM SYSTEM WITH T-STUB CONNECTION TYPE SEISMIC STEEL DAMPER Speaker: Haeyong Park
17:00 - 17:15 SE7-020	DESIGN AND APPLICATION OF SBRB FRAMES FOR STEEL TALL BUILDINGS IN TAIWAN: BRACE ORIENTATION AND CONNECTION Speaker: Jia-Hau Liu
17:15 - 17:30 SE7-023	THE SEISMIC PERFORMANCE OF DEVELOPED HCE STRUCTURES FOR PREFABRICATED SHEAR WALLS Speaker: Limeng Zhu

Tuesday, September 17th, 16:10 - 17:40

Room 103

Session Title: SE1 - Blind analysis contest on a 7-story reinforced concrete building model under near-fault earthquakes

Chair: Shyh-Jiann Hwang, Yuan-Tao Weng

16:10 - 16:25 SE1-012	EXPERIMENTAL PLANNING AND STRUCTURAL COLLAPSE BEHAVIOR OF 7-STORY REINFORCED CONCRETE BUILDING MODEL UNDER NEAR-FAULT EARTHQUAKES Speaker: Fu-Pei Hsiao
16:25 - 16:40 SE1-013	2018 THREE-DIMENSIONAL SHAKING TABLE TEST OF A 7-STORY REINFORCED CONCRETE BUILDING UNDER NEAR-FAULT EARTHQUAKES ON THE NCREE TAINAN LAB. – OVERVIEW OF THE BLIND ANALYSIS CONTEST Speaker: Yuan-Tao Weng
16:40 - 16:45	SPECIAL CEREMONY Speaker: Shyh-Jiann Hwang
16:45 - 17:00 SE1-001	BLIND ANALYSIS OF A 7 STORY REINFORCED CONCRETE BUILDING USING DETAILED FINITE ELEMENT MODELING Speaker: Yasunori Mizushima
17:00 - 17:15 SE1-002	INSTRUCTIONS FOR BLIND ANALYSIS CONTEST ON A 7-STORY REINFORCED CONCRETE BUILDING MODEL UNDER NEAR-FAULT EARTHQUAKES Speaker: Riku Sakamoto
17:15 - 17:30 SE1-003	INSTRUCTIONS FOR BLIND ANALYSIS CONTEST ON A 7-STORY REINFORCED CONCRETE BUILDING MODEL UNDER NEAR-FAULT EARTHQUAKES Speaker: Xinlei Jin
17:30 - 17:45 SE1-011	ANALYTICAL MODELING OF A HALF-SCALE SEVEN-STORY REINFORCED CONCRETE BUILDING SHAKEN TO NEAR-FAULT EARTHQUAKE MOTIONS Speaker: Yu-Fang Liu

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Tuesday, September 17th, 16:10 - 17:40

Room 201

Session Title: C2 - Fault-zone dynamics and modeling

Chair: David D. Oglesby, Yen-Yu Lin

16:10 - 16:30 C2-002 (Invited Talk)	EARTHQUAKE DYNAMIC ON GEOMETRICALLY COMPLEX FAULTS: LESSON LEARNED FROM THE 1999 CHI-CHI (TAIWAN) EARTHQUAKE Speaker: Luis A. Dalguer
16:30 - 16:50 C2-001 (Invited Talk)	WHAT CAN SURFACE SLIP DISTRIBUTIONS TELL US ABOUT FAULT CONNECTIVITY AT DEPTH? Speaker: David D. Oglesby
16:50 - 17:05 C2-014	A DYNAMIC RUPTURE MODEL OF THE 1999 CHI-CHI, TAIWAN, EARTHQUAKE Speaker: Jolan Liao
17:05 - 17:20 C2-016	EXAMINATION OF FAULT-TO-FAULT RUPTURE TRANSFER DURING THE 2016 KUMAMOTO EARTHQUAKE IN JAPAN USING A DYNAMIC SOURCE MODEL Speaker: Hiroki Karatsu
17:20 - 17:35 C2-011	MICROSEISMICITY SIMULATED ON ASPERITY-LIKE FAULT PATCHES: ON SCALING OF SEISMIC MOMENT WITH DURATION AND SEISMOLOGICAL ESTIMATES OF STRESS DROPS Speaker: Yen-Yu Lin

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Room 202

Session Title: B3 - Seismotectonics

Chair: Hsin-Hua Huang, Strong Wen

16:10 - 16:30 B3-001 (Invited Talk)	A SYSTEMATIC PREFERENCE OF LARGE (M6+) EARTHQUAKES ALONG TOMOGRAPHIC EDGE ZONES IN TAIWAN Speaker: Honn Kao
16:30 - 16:45 B3-013	INTRAPLATE SEQUENCES AND SWARMS: STATISTICAL ANALYSIS OF TRIACASTELA REGION (GALICIAN, NW IBERIAN PENINSULA) Speaker: Fidel Martin-Gonzalez
16:45 - 17:00 B3-012	GPS HORIZONTAL DISPLACEMENTS AND SURFACE DEFORMATION DURING EARTHQUAKE CYCLE IN THE NORTHERNMOST LONGITUDINAL VALLEY, EASTERN TAIWAN Speaker: Jian-Cheng Lee
17:00 - 17:15 B3-017	THE SEISMOGENIC STRUCTURES BENEATH THE NORTHERN LONGITUDINAL VALLEY, TAIWAN: APPLICATION IN 2018 HUALIEN EARTHQUAKE Speaker: Strong Wen
17:15 - 17:30 B3-015	RUPTURE CHARACTERISTIC AND SEISMOGENIC STRUCTURE OF 2018 ML HUALIEN EARTHQUAKE SEQUENCE Speaker: Hsin-Hua Huang
17:30 - 17:45 B3-014	DISCUSSION ON ANOMALOUS CRUSTAL STRUCTURES ALONG THE CONVERGENT ZONE IN EASTERN TAIWAN: INSIGHTS FROM THE NEW AIRBORNE MAGNETIC SURVEY AND UPDATED SEISMIC TOMOGRAPHIC MODELS Speaker: Chi-Hsuan Chen

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Tuesday, September 17th, 16:10 - 17:40 **Room 203**

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

D0 - Engineering seismology

Chair: Kuo-Liang Wen, Chun-Hsiang Kuo

16:10 - 16:25 D0-013	STRONG GROUND MOTION APPLICATION IN NCREE AFTER CHI-CHI, TAIWAN EARTHQUAKE Speaker: Kuo-Liang Wen
16:25 - 16:40 SE5-017	ANALYSIS OF SEISMIC HAZARD POTENTIAL IN TAIPEI AREA RELATIVE TO SITE EFFECT Speaker: Kun-Sung Liu
16:40 - 16:55 SE5-013	THE INFLUENCE OF FAULT SLIP RATE UNCERTAINTY ON EARTHQUAKE PROBABILITY ESTIMATION – A CASE STUDY IN NORTHERN TAIWAN Speaker: Yi-Jui Lee
16:55 - 17:10 SE5-014	A SITE DATABASE FOR TAIWAN STRONG MOTION NETWORK Speaker: Chun-Hsiang Kuo
17:10 - 17:25 SE5-011	OBSERVED PULSE-LIKED GROUND MOTION AND RUPTURE DIRECTIVITY EFFECT IN TAIWAN GROUND MOTION DATASET Speaker: Shu-Hsien Chao
17:25 - 17:40 SE5-012	APPLYING H/V FOURIER SPECTRAL RATIOS FOR PREDICTING THE SITE EFFECT OF GROUND MOTION Speaker: Shu-Hsien Chao

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Tuesday, September 17th, 16:10 - 17:40 **Room 204**

Session Title: 5ICUDR

L - Lessons learned from post-disaster response and recovery

N - Public-private-partnership for risk management

16:10 - 16:25 L-015	STUDY ON STRENGTHENING AND COGNITION OF EARTHQUAKE RESISTANT FOR OLD BUILDINGS: A CASE OF YUTIAN COMMUNITY IN YUJING DIST Speaker: Shu-Ting Lin
16:25 - 16:40 N-012	THE IMPORTANCE OF THE PARTNERSHIP BETWEEN THE PUBLIC AND PRIVATE SECTIONS FOR DISASTER RELIEF AND RISK MANAGEMENT. ~ THE EXPERIENCE OF TZU CHI'S GLOBAL EMERGENCY RESPONSE AND RECOVERY PROGRAMS Speaker: Yun-Ching Wang
16:40 - 17:40	5th INTERNATIONAL CONFERENCE ON URBAN DISASTER REDUCTION - DECADES REVIEW ON RECOVERY: LEARNING FROM BEST PRACTICES