

Wednesday, September 18th, 15:20 - 16:50

Conference Hall

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

Chair: Kenneth J. Elwood, Shyh-Jiann Hwang

15:20 - 15:40 SE2-003 (Invited Talk)	DEVELOPMENT OF A BRIEF CODE-BASED SEISMIC DIAGNOSTIC TOOL FOR EXISTING RC BUILDINGS CONSIDERING VERTICAL IRREGULARITIES Speaker: Andres Winston Oreta
15:40 - 15:55 SE2-020	SHEAR BEHAVIOR PREDICTION OF NON-DUCTILE REINFORCED CONCRETE MEMBERS UNDER EARTHQUAK LOADING Speaker: Shyh-Jiann Hwang
15:55 - 16:10 SE2-019	CYCLIC BEHAVIOUR OF LARGE-SCALE LIGHTLY REINFORCED CONCRETE COLUMNS Speaker: Pham Phu Anh Huy
16:10 - 16:25 SE2-035	AXIAL COMPRESSION BEHAVIOR OF PRE-DAMAGED CONCRETE PRISMS CONFINED WITH BFRP Speaker: Gao Ma
16:25 - 16:40 SE2-036	MODELING METHOD OF EARTHQUAKE-DAMAGED RC COLUMNS RETROFITTED WITH FRP Speaker: Gao Ma
16:40 - 17:00 SE2-005 (Invited Talk)	REPAIR AND RESIDUAL CAPACITY OF REINFORCED CONCRETE PLASTIC HINGES Speaker: Kenneth J. Elwood

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Room 103

Session Title: SE3 - Seismic performance of steel and composite columns

Chair: Jason McCormick, Chung-Sheng Lee

15:20 - 15:40 SE3-002 (Invited Talk)	SEISMIC CAPACITY OF DEEP STEEL COLUMNS AND THEIR INFLUENCE ON THE COLLAPSE RESPONSE OF STEEL SPECIAL MOMENT FRAMES Speaker: Jason McCormick
15:40 - 15:55 SE3-015	MECHANICAL RESPONSE OF CONCRETE-FILLED FRP-WRAPPED STEEL CORRUGATED TUBE COLUMNS Speaker: Chung-Sheng Lee
15:55 - 16:10 SE3-016	PERFORMANCE EVALUATION OF A NOVEL BOX SECTION COLUMN BASE WITH SELF-CENTERING ABILITY Speaker: Yu-Lin Chung
16:10 - 16:25 SE3-018	SEISMIC TEST AND ANALYSIS OF WIND-TURBINE HOLLOW STEEL ROUND COLUMNS WITH A LARGE DIAMETER-TO-THICKNESS RATIO Speaker: Chung-Che Chou
16:25 - 16:40 SE3-017	SEISMIC PERFORMANCE OF CONCRETE FILLED STEEL TUBULAR (CFST) COLUMNS WITH VARIED AXIAL LOADS Speaker: Hao-Dinh Phan

Wednesday, September 18th, 15:20 - 16:50 **Room 201**

Session Title: SE8 - Past, present and future of seismic passive control technology
 D4 - Earthquake early warning system
 I1 - Structural health monitoring and early warning system
Chair: Shiang-Jung Wang, Chang-Ching Chang

15:20 - 15:35 D4-011	TOWARD A 10-SECOND EARTHQUAKE EARLY WARNING SYSTEM IN TAIWAN Speaker: Da-Yi Chen
15:35 - 15:50 SE8-014	HORIZONTAL DISPLACEMENT RESPONSES AND PARAMETRIC STUDY OF SLOPED ROLLING-TYPE SEISMIC ISOLATORS Speaker: Shiang-Jung Wang
15:50 - 16:05 SE8-015	BEYOND DESIGN PERFORMANCE OF VISCOELASTIC DAMPERS Speaker: Shiang-Jung Wang
16:05 - 16:20 I1-012	STRUCTURAL HEALTH MONITORING FOR CONTROLLED BUILDINGS WITH ACTIVE MASS DAMPERS Speaker: Chang-Ching Chang
16:20 - 16:35 I1-013	REVIEW ON PRESTRESS LOSS EVALUATION IN CONCRETE Speaker: Marco Bonopera

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Wednesday, September 18th, 15:20 - 16:50 **Room 202**

Session Title: G2 - Design for control of seismic damage
 G3 - Advances in earthquake engineering research
Chair: Tomofusa Akita, Yuan-Tao Weng

15:20 - 15:35 G2-012	TIME HISTORY RESPONSE ANALYSIS OF RC SCHOOL BUILDING USING SUPER-AND-SUB STRUCTURE MODEL Speaker: Tomofusa Akita
15:35 - 15:50 G2-014	A STUDY ON THE RESPONSE OF CES STRUCTURE WITH DIFFERENT SHEAR STRENGTH OF BEAM-COLUMN JOINTS Speaker: Kazuki Takahashi
15:50 - 16:05 G2-011	SEISMIC BEHAVIOR FOR STEEL-PLATE-EMBEDDED HIGH-STRENGTH REINFORCED CONCRETE COUPLING BEAMS OF SHEAR WALLS Speaker: Min-Lang Lin
16:05 - 16:20 G3-013	SHEAR BEHAVIOR OF ULTRA-HIGH PERFORMANCE FIBER REINFORCED CONCRETE BEAMS WITHOUT STIRRUP Speaker: Kuo-Chia Wei
16:20 - 16:35 G3-011	NUMERICAL STUDY ON THE CORRELATION BETWEEN FUNDAMENTAL FREQUENCIES AND LAYOUTS OF COLUMNS FOR SELECTED BUILDING MODELS Speaker: Hung-Yu Liu
16:35 - 16:50 G2-015	A STUDY ON THE INFLUENCE OF SEISMIC ZONING FACTORS ON THE STRUCTURE COST AND THE REPAIR COST OF THE RC SCHOOL BUILDING Speaker: Daisuke Matsubara

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Room 203

Session Title: H0 - Seismic loss and risk assessment
H4 - Disaster risk assessment for earthquakes

Chair: Saki Yotsui, Tung-Yu Wu

15:20 - 15:35 H4-014	INFLUENCE OF ENVIRONMENT SURROUNDING HUMAN SOCIETY ON LANDSLIDE CASUALTY: A CASE STUDY FROM THE 2018 HOKKAIDO EASTERN IBURI EARTHQUAKE Speaker: Saki Yotsui
15:35 - 15:50 H4-011	THREE DIMENSIONAL BUILDING MODEL WITH SEISMIC RESISTANCE ATTRIBUTES AND ITS APPLICATION ON DISASTER MITIGATION Speaker: Bing-Ru Wu
15:50 - 16:05 H4-012	INFLUENCE OF SEISMIC DESIGN CODE EVOLUTION ON THE SEISMIC LOSSES AND RESILIENCE OF STEEL BUILDINGS Speaker: Tung-Yu Wu
16:05 - 16:20 H4-013	SEISMIC RISK ASSESSMENT BY USE OF THE COMPREHENSIVE DATABASE OF EARTHQUAKE OCCURRENCE MODEL IN AND AROUND JAPAN Speaker: Nobuoto Nojima
16:20 - 16:35 H0-019	THE PERFORMANCE OF SEISMIC DISASTER PREVENTION IN TAIWAN Speaker: Lee-Hui Huang

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