

6th ASIA Conference on Earthquake Engineering (6ACEE) – Cebu City

“Bridging Theory & Practice in Earthquake Engineering for
Enhancing Community Earthquake Resilience”

PARALLEL SESSIONS

Day 2 (September 23, 2016, Friday) Technical Session I-1 8:30 – 9:50 H.

A1. Seismic Hazards and Lessons from Earthquakes

Paper #	Title	Presentor - Country
A1-12	Lessons from the M7.2 Bohol Earthquake Of Oct. 15 2013	Paul Finlay - Philippines
A1-34	Earthquake Intensity Assessment and Isoseismal Map of the 2013 Mw 7.2 Bohol Earthquake	Charmaine V. Villamil - Philippines
A1-47	Numerical Modeling Of 2015 Nepal-Gorkha Earthquake using Finite Element Method	Venkata Dilip Kumar Pasupuleti - India
A1-61	Ground Shaking Hazard Mapping of Cebu Province, Philippines	Rhommel Grutas – Philippines

Day 2 (September 23, 2016, Friday) Technical Session II-1 8:30 – 9:50 H.

B1. Seismic Analysis and Design of Structures

Paper #	Title	Presentor - Country
B1-11	Controlled-Damage Structural Design for High Earthquake Resilient Buildings	Jose Carlos Valencia II - Philippines
B1-30	Residual Seismic Capacity and Damage Evaluation of High-Rise RC Buildings	Ryutaro Michisita - Japan
B1-45	Change in Building Behavior due to Installation of Billboards or Communication Towers during Earthquakes	Sairam Neridu - India
B1-54	Primary Seismic Deficiencies Observed in Low-Rise Residential Buildings after the October 15, 2013 Mw7.2 Bohol Earthquake	M. Lisbeth Blaisdell - Philippines

Day 2 (September 23, 2016, Friday) Technical Session III-1 8:30 – 9:50 H.

Special Lecture 1 for Students and Young Engineers

SL-1	Earthquake Quick Response Program	Wilfredo S. Lopez - Philippines
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Day 2 (September 23, 2016, Friday) Technical Session I-2 10:10 – 12:00 H.

B3. Retrofitting of Structures and Structural Control, Damping and Base-Isolation Systems

Paper #	Title	Presentor - Country
B3-37	Seismic Performance of Super High-Rise Wall-Frame Reinforced Concrete Structure with Hybrid Beams using Low Yield Point Steel Damper by the Different Setting Method	Hiroyuki Takenaka - Japan
B3-59	Development of New Oil Damper for Architectural Vibration Control and Experimental Research on Structural Characterization	Atsuki Yokohama - Japan
B3-75	Seismic Retrofitting of the Marmara Başibüyük University Hospital in Istanbul	Stepahne Marrec - Philippines
B3-73	Structural Investigation and Seismic Retrofit Design of a UNESCO Heritage Building using CFRP, A Case Study	Eduardo C. Arrojado - Philippines
B1-71	Seismic Instrumentation of Buildings w/ a 3 Aligned Strong Motion Recorder Accelerograph at the Center of Mass	Reynaldo Flordeliza - Philippines

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Day 2 (September 23, 2016, Friday) Technical Session II-2 10:10 – 12:00 H.

B2. Dynamic Testing and Modeling and Performance-Based Design

Paper #	Title	Presenter - Country
B2-15	Mitigating Earthquake Risks through the Application of Performance-Based Design approach 30-storey Tapering Nova Manila Tower: A Case Study	Earl P. Bonita - Philippines
B2-31	Case Study: Performance-Based Seismic Design of Reinforced Concrete Dual System Building	Naveed Anwar – Thailand
B2-50	Experimental Research on Dynamic Characteristic of Structural Members Made of CFRP or AFRP	Yuki Sato - Japan
B2-77	Steel Fibres Combined with Conventional Reinforcing: Amazing Synergies Using Available Design Guidelines.	Alan Ross – New Zealand
C2-63	Displacement-Based Seismic Design of Piled Wharf to Eurocode – A Study on the Effect of Steel Pile Class to the Behavior of Pile Foundation	Nguyen Van Duyet - Vietnam

Day 2 (September 23, 2016, Friday) Technical Session III-2 10:10 – 12:00 H.

C2. Seismic Assessment of Infrastructures

Paper #	Title	Presenter - Country
C2-14	Damage ratios of ground level Roads after the 2011 Off the Pacific Coast of Tohoku Earthquake Tsunami	Osamu Itagaki - Japan
C2-18	Evaluation of Seismic Vulnerability of Gas Distribution Pipeline in Tokyo Metropolitan Area after the 2011 Great East Japan Earthquake	Yohei Kogo - Japan
C2-41	Seismic Performance Evaluation Of Yokohama-Bay Bridge Using Multi-Scale Model	Tomoaki Takeda - Japan
C2-36	Real-Time Damage Detection of RC Bridge Pier Based on Sparse Representation of Acceleration Response Waveform	Tsukasa Mizutani - Japan
C2-78	Seismic Vulnerability Assessment of Buried Pipelines in Surigao Del Norte	Lessandro Garciano - Philippines

Day 2 (September 23, 2016, Friday) Technical Session I-3 13:30 – 15:10 H.

A2. Seismology and Geotechnical Engineering

Paper #	Title	Presenter - Country
A2-19	Evaluation of Site Response Characteristics Based on Ground Motion Simulation during the 2005 Chiba Northwestern Earthquake	Shinya Higashino - Japan
A2-20	Vibration Characteristics Of High-Rise Buildings In Japan Under Long-Period Seismic Ground Motion	Shogo Takehira
A2-74	Geotechnical and Seismic Considerations in the Design of Highway Embankments	Roy Anthony Luna - Philippines
A2-65	Model Experiments on the Dynamic Response of Embankments with Various Protection Measures	Jun Itoh - Japan
A2-66	Dynamic Response of Embankments on Liquefiable Ground	Omer Aydan - Japan

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PARALLEL SESSIONS

Day 2 (September 23, 2016, Friday) Technical Session II-3 13:30 – 15:10 H.

**NCREE Organized Session on
Seismic Evaluation and Retrofit of Buildings in Taiwan**

Paper #	Title	Presentor - Country
SS1	Buckling-Restrained Brace Researches and Applications for New Construction and Retrofit of Buildings in Taiwan	An-Chien Wu - Taiwan
SS3	Seismic Retrofit of Reinforced Concrete Buildings using Combination of Column-Jacketing and Supplemental Beams	Chao-Hsun Huang - Taiwan
SS5	Seismic Behavior of Existing Reinforced Concrete Structures Retrofitting by Steel-Braced Frame	Fu-Pei Hsiao - Taiwan
SS6	Real-Valued Modal Response History Analysis for Asymmetric-Plan Buildings with Nonlinear Viscous Dampers	Jui-Liang Lin - Taiwan
SS7	Accomplishments on seismic upgrading of school buildings in Taiwan	Lap-Loi Chung - Taiwan

Day 2 (September 23, 2016, Friday) Technical Session III-3 13:30 – 15:10 H.

B3. Retrofitting of Structures, Structural Control, Damping and Base-Isolation Systems

Paper #	Title	Presentor - Country
B3-13	Innovative Features of Adaptive Rubber Bearings	Chong Shien Tsai - Taiwan
B3-16	Seismic Response Control of Wooden Buildings using Mechanical Linkage with Steel Dampers	Yuji Miyazu - Japan
B3-28	The Development, and Experiment of Cam-grip Type, Compression-Free Energy Dissipative Brace	Punchet Thammarak - Thailand
B3-29	Seismic Response of High-Rise RC Wall Frame Structure using Energy Dissipation Brace Between Coupled Shear Wall	Tamma Aditya - Japan
B3-35	Study on Construction of Analytical Model of Seismic Isolated Structure Based on Seismic Records	Go Yamamoto - Japan

Day 2 (September 23, 2016, Friday) Technical Session I-4 15:40 – 17:00 H.

C1. Technology and GIS for Earthquake Engineering

Paper #	Title	Presentor - Country
C1-42	Study on Response Control Technology for Aerogenerator against Seismic Motion and Wind Load	Osamu Furuya - Japan
C1-67	Research and Development on Brace Members using High-Performance Fibers	Kaidoh-Yamaguchi - Japan
C1-51	New Provisions on Seismic Design of Anchors using the 7th Edition of the National Structural Code of the Philippines	Joanna Marie M. Solomon - Philippines
A1-22	Estimation of Coseismic Displacement in the 2016 Kumamoto Earthquake from Lidar Data	Luis Moya - Japan

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Day 2 (September 23, 2016, Friday) Technical Session II-4 15:40 – 17:00 H.

NCREE Organized Session on Seismic Evaluation and Retrofit of Buildings in Taiwan

Paper #	Title	Presentor - Country
SS8	Seismic Preliminary Evaluation of Low-Rise Residential Buildings In Taiwan	Tsung-Chih Chiou - Taiwan
SS9	Influence of Plan-Asymmetric Properties on Seismic Fragilities of Buildings	Te-Kuang Chow - Taiwan
SS10	Case Study on Seismic Evaluation of an Existing Apartment in Taiwan	Wen-Cheng Shen - Taiwan
SS11	Seismic Behavior of RC Wall Simulated by Equivalent Column Model and Equivalent Diagonal Brace Model	Yaw-Shen Tu - Taiwan

Day 2 (September 23, 2016, Friday) Technical Session III-4 15:40 – 17:20 H.

C3. Earthquake Disaster Risk Reduction

Paper #	Title	Presentor - Country
C3-23	Study on Prevention of Furniture Fall During Earthquake	Yuki Maeda - Japan
C3-24	Study on Seismic Response of Escalator	Kenta Shirai - Japan
C3-33	Study on Vibration Reduction of Excavators Installing Multiple Tuned Mass Damper	Yusuke Hirata – Japan
C3-39	Industrial Equipment Vibration Severity Analysis under OBE (Operating Basis Earthquake) and SSE (Safe Shut Down Earthquake)	Reynaldo Velasco - Philippines
C2-48	Three Dimensional Numerical Modeling and Seismic Analysis of Quincy Bayview Bridge	Govardhan Polepally - India

Day 3 (September 24, 2016, Saturday) Technical Session I-5 8:30 – 9:50 H.

D2. Community Preparedness and Resilience

Paper #	Title	Presentor - Country
D2-56	Engaging the Community to Improve School Construction Quality through Increased Awareness and Accountability	Tyrone Angel A. Teves Jr. III - Philippines
D1-68	The Ten Essentials for Making Cities Resilient: The Case of Quezon City	Andres Winston C. Oreta - Philippines
D2-76	Seismic Risk Evaluation of the Nine Central Schools in the Division of Cagayan De Oro City	Dexter Lo - Philippines

Day 3 (September 24, 2016, Saturday) Technical Session II-5 8:30 – 9:50 H.

D3. Seismic Rehabilitation and Reconstruction

Paper #	Title	Presentor - Country
C2-52	Examination Of Sloshing Damage Countermeasure Of Tilted Plate Sedimentation Device In Water Treatment Plant	Kohei Kasai - Japan
D3-10	Seismic Qualification, Economics of Rehabilitation and Retrofit of Four (4) Storey Concrete Building in Cagayan De Oro, Philippines	Antonio C. Acupan - Philippines
D3-25	Evaluation of the Process of Building Reconstruction using the Building Dataset after the 1995 Kobe Earthquake	Naoto Ichimura - Japan

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PARALLEL SESSIONS

**Day 3 (September 24, 2016, Saturday) Technical Session III-5 8:30 – 9:50 H.
Special Lecture 2 for Students and Young Engineers**

SL-2	Seismic Retrofitting of Concrete Structures for Environmental Sustainability	Adam C. Abinales - Philippines
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**Day 3 (September 24, 2016, Saturday) Technical Session I-6 10:10 – 12:00 H.
D1. DRR Policies and Strategies**

Paper #	Title	Presenter - Country
D1-38	Microtremor H/V Analysis as a Basic Tool In Community Land Use and Safety Planning — UPLB Campus Case Study	Richelle Zafra - Philippines
D1-40	Strategies for the Development and Dissemination of Tools for Earthquake Safety of Houses: A Collaborative Effort among Experts and Stakeholders	Joan L. Cruz-Salcedo - Philippines
D1-62	Earthquake and Tsunami Events from the Eyes of Witnesses: Extracting Valuable Descriptions of Geologic Phenomena from Narratives Analysis	Ma. Mylene Martinez-Villegas - Philippines
D2-55	Increasing Safety in Residential Construction through Simplified Earthquake- and Typhoon Resistant Guidelines	Linnel Ballesteros - Philippines

**Day 3 (September 24, 2016, Saturday) Technical Session II-6 10:10 – 12:00 H.
A2. Seismology and Geotechnical Engineering**

Paper #	Title	Presenter - Country
A2-27	Strong Motion Attenuation Relationship: Regression Modeling of Peak Ground Acceleration in Luzon, Philippines	Charity Hope A. Gayatin - Philippines
A2-53	Earthquake Generation Potential along the Different Segments of the Philippine Fault in Eastern Mindanao, Philippines	Jeffrey S. Perez - Philippines
A2-46	Duration Spectra for Long-Period Earthquake Ground Motion	Nobuoto Nojima - Japan
C1-72	Integration of Site Effects to Probabilistic Seismic Hazard Analysis for Estimation of Peak Ground Acceleration	Joshua Macaraeg – Philippines
A2-32	Risk-Targeted Maximum Considered Earthquake (M _{ce}) Ground Motions Maps Through Probabilistic And Deterministic Seismic Hazard Analysis For Southern Luzon To Support Design To Asce7	Minly So - Philippines

**Day 3 (September 24, 2016, Saturday) Technical Session III-6 10:10 – 12:00 H.
IAC Meeting**

M-1	Meeting of International Advisory Committee (Proposal for the 7ACEE Host and Venue)	Andres Winston C. Oreta - Chair
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