

Program for Collaborative Conference on Earthquake Science and Engineering 2015

**Tuesday September 15
Room A**

Session: Earthquake Prediction and Forecast Chair: Mohammadreza Vafaei

10:00-10:25 AM	A01: Anomalies and Disturbances in the Ionospheric Total Electron Content Associated with Large Earthquakes	Zengyan Liu Beijing University of Technology, China
10:25-10:50 AM	A02: Ionospheric Response to Earthquakes According to Observations of Thunderstorm Signals Variations	Vyacheslav V. Argunov Yu.G. Shafer Institute of Cosmophysical Research and Aeronomy SB RAS, Russia
10:50-11:10 AM	Session Break	
Session: Seismic Vulnerability Studies of Structures and Infrastructures Chair: Zengyan Liu		
11:10-11:35 AM	A03: The Development and Application of CASS In China	Yinxing Zhou Beijing Gangzhen Instrument and Equipment Co.,ltd, China
11:35-12:00 AM	A04: Seismic Vulnerability Study of an Air Traffic Control Tower	Mohammadreza Vafaei Universiti Teknologi Malaysia, Malaysia
12:00-14:00 PM	Lunch Break	

Tuesday September 15

Room A

Session: General Chair: Si-Wei Chen

14:00-14:25 PM	A05: Efficient Design of Concrete Structures: Innovative Approaches in Constitutive Modelling of Cracking and Deformation Behavior	Gintaris Kaklauskas Vilnius Gediminas Technical University, Lithuania
14:25 -14:50 PM	A06: Gas Detection Based on Complete Ensemble Empirical Mode Decomposition	Ya-juan Xue Chengdu University of Information Technology, China
14:50 -15:15 PM	A07: Interactions Between Tropical Cyclones, Earthquakes and the Ionosphere	L.B. Vanina-Dart "The Seeing Ear" LTD, UK; Space Research Institute (IKI RAN), Earth remote sensing, Russia
15:15-15:35 PM	Session Break	
Session: Geology, Remote Sensing and GIS Chair: Gintaris Kaklauskas		
15:35-16:00 PM	A8: Earthquake and Tsunami Damage Mapping Using Microwave Remote Sensing	Si-Wei Chen National University of Defense Technology, China
16:00-16:25 PM	A9: Lushan earthquake, Wenchuan earthquake and water vapor anomaly in Longmen mountain area	Zhihui Deng Guangdong Earthquake Administration, China
16:25-16:50 PM	A10: Data process and inversion technique of Magnetotelluric for deep structure exploration	Kun Zhang Institute of Mineral Resources Chinese Academy of Geological Sciences, China
18:00 PM	Dinner Social	

Wednesday September 16**Room A****Session: Structural Engineering Chair: Masayuki Kohiyama**

8:30-8:55 AM	A11: Displacement-Based Seismic Assessment of Reinforced Concrete Bridges	Donatello Cardone University of Basilicata, Italy
8:55-9:20 AM	A12: Ground Motion Selection for Super-tall Buildings	Ying Zhou Tongji University, China
9:20-9:45 AM	A13: A New Vibration Control System for Structures with Quasi-Linear Motion Mechanism	Hiroshi Tagawa Hiroshima University, Japan
9:45-10:10 AM	A14: Past and Future of Vibration Control and Seismic Isolation Buildings in Japan	Toru Kobori Nikken Sekkei Ltd., Japan
10:10-10:30 PM	Session Break	
Session: Structural Engineering Chair: Ying Zhou		
10:30-10:55 AM	A15: Improvement of Performance Objectives for a Semi Actively Controlled Base-Isolated Building	Masayuki Kohiyama Keio University, Japan
10:55-11:20 PM	A16: Influence of Long-period Ground Motion Characteristics on Seismic Response of a High-rise Building Structure Beyond the Code-specification	Jianping Han Lanzhou University of Technology, China
11:20-11:45 PM	A17: The Application of U-Shaped Metallic Yielding Dampers in Retrofitting of Steel Frames	Mohammad Kheirollahi Sahand University of Technology ,Iran
11:45 -12:05 PM	A18: RC Hinge Model for Seismic Collapse Analysis of Low-rise Residential Buildings	Romeo Eliezer Longalong University of the Philippines, Philippines
12:05-14:00 PM	Lunch Break	

Thursday September 17
Room A

Session: Risk-informed Earthquake Engineering Chair: Jia wen Zhou

14:00-14:25 PM	A19: A Probabilistic Performance based Framework for Seismic Vulnerability Assessment of Large Bridge Inventories	David T. Lau Carleton University, Canada
14:25 -14:50 PM	A20: Seismic Analysis and Risk-Targeted Engineering	Anze Babic University of Ljubljana, Slovenia
14:50 -15:15 PM	A21: Development of Earthquake Vulnerability Curves of Key Building Types in the Philippines	Eric Augustus J. Tingatinga University of the Philippines, Philippines
15:15-15:35 PM	Session Break	
Session: Engineering Seismology Chair: David T. Lau		
15:35-16:00 PM	A22: Dynamic Process of Earthquake-triggered Large Landslide And The Formation of Dammed Lake in Mountainous River Area	Jia wen Zhou Sichuan University, China
16:00-16:25 PM	A23: High Performance Computing for Regional Building Seismic Damage Simulation	Xin-zheng Lu Tsinghua University, China
18:00 PM	Dinner Social	