

17WCEE Organized Session List (Concurrent session)

The followings were accepted in March 2020 and will be updated for the 2021conference.

Session Title	Corresponding author's full name	Affiliation	Country
Cutting-Edge Research on Buckling-Restrained Braces (BRBs) and their Applications	Toru Takeuchi	Tokyo Institute of Technology	Japan
The China-NZ ROBUST Friction Building Shaking Table Testing Overview	Gregory MacRae	Tongji University, China / University of Canterbury, New Zealand	China
Recent Advances in Seismic Performance Of Non-Structural Elements (SPONSE)	Rajesh Dhakal	University of Canterbury, Christchurch, New Zealand	New Zealand
Long period ground motions: analysis, modeling and associated effects on large-scale critical structures	Kristel Meza-Fajardo	Bureau de recherches géologiques et minières (BRGM)	France
THE 2019 LARGE-SCALE TEST PROGRAM OF WOOD DWELLINGS INCLUDING SOIL-FOUNDATION SYSTEMS TOWARDS IMPROVING EARTHQUAKE RESILIENCY	Takuya Nagae	Disaster Mitigation Research Center, Nagoya University	Japan
Regional Seismic Risk and Resilience Assessment	Junwon Seo (1) and Jamie Ellen Padgett (2)	(1) South Dakota State University and (2) Rice University	US
Recent advances in Seismic Isolation and Supplemental Damping Systems for Vibration Control	Paolo Martino Calvi	University of Washington, Department of Civil and Environmental Engineering	US
Designing for Tsunami Loads and Effects per ASCE 7-16	Ian Nicol Robertson	University of Hawaii	US
Semi-active control strategy of base-isolation system against near fault groundmotions verified by E-Defense test and real-time hybrid simulation	Hideo Fujitani	Kobe University	Japan
Performance Gap Challenges in the United State after Loma Prieta: Emerging Realities in Science, Engineering and	Mark N. White	Law Offices of Mark N. White	US
Advanced Nonlinear Methods of Dynamic Analysis	Kevin Wong	National Institute of Standards and Technology	US
Low Damage/Resilient Construction	Abdolreza S. Moghadam	International Institute of Earthquake Engineering and Seismology (IIEES)	Iran
Protective technologies for possible extreme seismic events in future	Kohju Ikago	International Research Institute of Disaster Science, Tohoku University	Japan
Assessment of Seismically Isolated Structures Considering Beyond Design Basis Earthquakes	Gilberto Mosqueda	University of California, San Diego	US
Assessment and Retrofitting of Structures in Low-to-Moderate Seismicity Regions	Ray Kai-Leung Su	Department of Civil Engineering, The University of Hong Kong, Hong Kong	Hong Kong
Seismic monitoring of large dams: data collection, analysis and engineering implications	Armando Lanzi	Italian Ministry of Infrastructures and Transports - Directorate-General for dams	Italy
Post-earthquake damage analysis, economic losses and seismic risk mitigation strategies for public and private buildings	Marco Di Ludovico ¹ , Yoshiaki Nakano ² , Ciro Del Vecchio ³	1,3Dept. of Structures for Engineering and Architecture, University of Napoli Federico II, Italy, 2Institute of Industrial Science, The University of Tokyo	Italy
Simulation of seismic hazard and risk to tall buildings in sedimentary basins	Nenad Bijelić	University of Innsbruck	Austria
Major Developments in Evaluating Seismic Performance of Buildings and Implementation in New Design	Justin Moresco	Applied Technology Council	US
Advancements in Evaluation of Existing Buildings	Ayse Hortacsu	Applied Technology Council	US
Seismic performance of Integral Abutment Bridges	Camillo Nuti	Department of Architecture, Roma Tre University	Italy

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Physics-Based Modeling using Kinematic and Dynamic Source Representations for Quantitative Strong Motion Simulation	Arben Pitarka/Hiroshi Kawase	Lawrence Livermore National Laboratory/DPRI, Kyoto University	Japan
Anti-catastrophe : Performance of infrastructure systems for social resilience against extreme earthquake events	Riki Honda	Department of International Studies, Graduate School of Frontier Sciences, University of Tokyo	Japan
Recent advances in hybrid simulation: methods and applications	Giuseppe Abbiati	Department of Engineering, Aarhus University, Inge Lehmanns Gade, 10, 8000 Aarhus C, Denmark	Denmark
SEISMIC ANALYSIS AND MITIGATION STRATEGIES OF MAJOR-HAZARD INDUSTRIAL FACILITIES	KEISUKE MINAGAWA	SAITAMA INSTITUTE OF TECHNOLOGY	Japan
Repair and performance of earthquake-damaged structures	Ken Elwood	Univ of Auckland	New Zealand
Rebuilding from the Great East Japan Earthquake - current status, future outlook, and lessons learned	Hiroaki Maruya	International Research Institute of Disaster Science, Tohoku University	Japan
Advances in performance based earthquake engineering	Hussam Mahmoud / Oh-Sung Kwon	Colorado State University / University of Toronto	Canada
Full- vs. Reduced-Scale Tests for Modeling/Assessment of Structural Members, Dampers, and Isolators	Kazuhiko Kasai	Tokyo Institute of Technology	Japan
Seismic Analysis and Design of Mechanical Structures	Osamu FURUYA	Tokyo Denki University	Japan