

	Thursday 20 September
8:30 - 9:30	Registration
9:30 - 10:10	Opening Ceremony
10:10 - 10:30	<i>Coffee Break, at first floor lobby</i>
10:30 - 12:00	Keynote Lectures
12:00 - 12:15	Group Photo
12:15 - 13:30	<i>Lunch Break, at first floor lobby</i>
13:30 - 15:00	Invited Lectures
15:00 - 15:30	<i>Coffee Break, at first floor lobby</i>
15:30 - 17:00	Panel Discussion
17:00 - 18:30	<i>Break</i>
18:30 - 20:30	Symposium Buffet Dinner Venue: Sendai Kokusai Hotel

	Friday 21 September		
	Room A	Room B	Room C
9:00 - 10:30	Social vulnerability and mental health support	Advances on disaster monitoring and forecasting	Severe events of ocean and atmosphere
10:30 - 11:00	<i>Coffee Break, at first floor lobby</i>		
11:00 - 12:30	Preparedness and management for disaster-related infectious diseases	Assessing risk and impact of natural disaster	Disaster response and management
12:30 - 14:00	<i>Lunch Break, at first floor lobby</i>		
14:00 - 15:30	Characteristics of disaster medicine and education planning for public health preparedness	Hazard mechanism of the Pacific RIM earthquakes	Post disaster recovery and reconstruction
15:30 - 16:00	<i>Coffee Break, at first floor lobby</i>		
16:00 - 17:00		International cooperation and economical impacts of disasters	Urban planning and disaster historiography

Thursday 20 September		Room A, B, C
8:30 - 9:30	Registration, at first floor lobby	
Opening Ceremony		
9:30 - 9:50	Opening Address	Susumu Satomi, President, Tohoku University
9:50 - 10:10	Welcome Address	Christopher Tremewan, Secretary General, APRU
10:10 - 10:30	Coffee Break, at first floor lobby	
Keynote Lectures		
10:30 - 11:15	The impact of the 2011 Tohoku earthquake and tsunami in Minami-sanriku Town, Miyagi Prefecture, and the challenges towards reconstruction	Jin Sato, Mayor, Minami-Sanriku Town
11:15 - 12:00	What should be prepared - the lessons of the Great East Japan Earthquake & Tsunami Disaster	Naruo Uehara, Professor Emeritus, Tohoku University
12:00 - 12:15	Group Photo	
12:15 - 13:30	Lunch Break, at first floor lobby	
Invited Lectures		
13:30 - 14:00	The Role of Universities in the Recovery of the Wenchuan Earthquake in China -The Case Study of Tsinghua University-	Linsheng Gu, Professor, Tsinghua University
14:00 - 14:30	Perspectives for Earthquake Disaster Reduction	Kimiro Meguro, Professor, The University of Tokyo
14:30 - 15:00	Disasters, Climate Change and Urbanization	Arturo M. Pesigan, World Health Organization
15:00 - 15:30	Coffee Break, at first floor lobby	
15:30 - 17:00	Panel Discussion	
17:00 - 18:30	Break	
18:30 - 20:30	Symposium Buffet Dinner, Venue: Sendai Kokusai Hotel	

Friday 21 September Room A		
<i>Social vulnerability and mental health support</i>		Chair: Hiroaki Tomita, Tohoku University
9:00 - 9:15	The Global research of the children's charter for disaster risk reduction (DRR)	Nick Hall Save the Children UK
9:15 - 9:30	Research with, by, for and about children: Lessons from disaster contexts	Lisa Gibbs University of Melbourne
9:30 - 9:45	Planning for extreme heat events in the Asia Pacific Rim: perceptions of elderly residents Sydney, Australia	Leigh Ann Wilson University of Sydney
9:45 - 10:00	Dementia and the Great East Japan earthquake 2011 A report from the secondary support area - 1. An importance of neuropsychological screening for the weakness due to the disaster	Kenichi Meguro Tohoku University
10:00 - 10:15	Dementia and the Great East Japan earthquake 2011 A report from the secondary support area - 2. Group home activities as an implication for psychosocial intervention	Kenichi Meguro Tohoku University
10:15 - 10:30	Multi-faceted approaches to identify social, psychological, and biological factors involved in disaster-related mental health problems	Hiroaki Tomita Tohoku University
10:30 - 11:00	<i>Coffee Break, at first floor lobby</i>	
<i>Preparedness and management for disaster-related infectious diseases</i>		Chair: Toru Kubo, Nagasaki University
11:00 - 11:15	Consideration for the management and control of post-disaster infectious diseases	Feng Min Zhang Harbin Medical University
11:15 - 11:30	Disaster-tolerant features of ITC architecture in Tohoku Medical Megabank	Jun Nakaya Tohoku University
11:30 - 11:45	Leptospirosis in post disaster setting	Aura Copon Corpuz World Health Organization
11:45 - 12:00	How to diagnose and prevent tuberculosis in disaster situations?	Beata Shiratori Tohoku University
12:00 - 12:15	Developing a panel of reverse-transcription loop-mediated isothermal amplification (RT-LAMP) assays for comprehensive detection of causing viruses in pediatric severe pneumonia and its application to resource limited setting	Toru Kubo Nagasaki University
12:15 - 12:30	Biomarker studies on disaster-related infectious diseases	Haorile Chagan-Yasutan Tohoku University
12:30 - 14:00	<i>Lunch Break, at first floor lobby</i>	
<i>Characteristics of disaster medicine and education planning for public health preparedness</i>		Chair: Shinichi Egawa, Tohoku University
14:00 - 14:15	Longitudinal assessment of public health needs and activities in Ishinomaki city after the Great East Japan earthquake	Satoshi Mimura Tohoku University
14:15 - 14:30	Impact of the Tohoku earthquake and tsunami on pneumonia hospitalisations and mortality among adults in northern Miyagi, Japan	Motoi Suzuki Nagasaki University
14:30 - 14:45	Human security and disaster medicine - A brief introduction for a new research and education program in Tohoku University -	Motoki Usuzawa Tohoku University
14:45 - 15:00	How to continue functioning as Disaster Base Hospitals? Lessons from Great East Japan earthquake and implications toward future preparedness	Atsuhiko Nakagawa Tohoku University
15:00 - 15:15	Curriculum planning of disaster medical coordinator educational course	Shinichi Egawa Tohoku University

Friday 21 September Room B		
<i>Advances on disaster monitoring and forecasting</i>		Chair: Anawat Suppasri, Tohoku University
9:00 - 9:15	Application of rainfall estimation by using combined rain gauge, satellite and radar over Phimai, Thailand	Parichat Wetchayont Tohoku University
9:15 - 9:30	Rain-induced landslides triggered in Baguio City, Philippines by typhoon Pepeng on October 3-9, 2009	Dymphna Nolasco Javier University of the Philippines
9:30 - 9:45	Two-dimensional numerical modeling of a dam break using the FORCE MUSCL-Scheme	Mohammad Bagus Adityawan Tohoku University
9:45 - 10:00	Tsunami damage evaluation of urban areas using multi-temporal polarimetric SAR images	Si-Wei Chen Tohoku University
10:00 - 10:15	Observation of earthquake-affected areas by ground-based synthetic aperture radar interferometry	Kazunori Takahashi Tohoku University
10:15 - 10:30	Sensor-based landslide monitoring for early warning system: The Philippine experience	Sandra Geronimo Catane University of the Philippines-Diliman
10:30 - 11:00	<i>Coffee Break, at first floor lobby</i>	
<i>Assessing risk and impact of natural disaster</i>		Chair: Mas Erick, Tohoku University
11:00 - 11:15	Assessment of tsunami propagation into rivers	Min Roh Tohoku University
11:15 - 11:30	Importance of wind wave effect on validation of tsunami sediment transport model	Ranasinghe Prasanthi Tohoku University
11:30 - 11:45	Evaluation of building robustness by efficient progress collapse analysis	Chan Ghee Koh National University of Singapore
11:45 - 12:00	Review of tsunami fragility curves developed for countries around the Pacific Rim	Erick Mas Tohoku University
12:00 - 12:15	Potential risk effect of Leachate in Asia Pacific	Chijioke Uche Emenike University of Malaya
12:30 - 14:00	<i>Lunch Break, at first floor lobby</i>	
<i>Hazard mechanism of the Pacific RIM earthquakes</i>		Chair: Zhao Dapeng, Tohoku University
14:00 - 14:15	GPS/Acoustic observation of seafloor crustal movement in and around the source region of the 2011 Tohoku-oki earthquake	Hiromi Fujimoto Tohoku University
14:15 - 14:30	Coseismic and postseismic seafloor deformation by the 2011 Tohoku-Oki earthquake detected by ocean-bottom pressure monitoring	Ryota Hino Tohoku University
14:30 - 14:45	Co- and post- seismic slip associated with the 2011 off the Pacific Coast of Tohoku earthquake based on terrestrial and seafloor geodetic observations	Takeshi Inuma Tohoku University
14:45 - 15:00	Tomography of the Northeast Japan arc and mechanism of the 2011 Tohoku-oki earthquake (Mw 9.0) sequence	Dapeng Zhao Tohoku University
15:00 - 15:15	Tsunamigenic ratios of the Pacific earthquakes	Anawat Suppasri Tohoku University
15:15 - 15:30	Methods to forecast large earthquakes in California and Japan based on damage mechanics of materials, with applications to web-based global risk management	John B Rundle University of California
15:30 - 16:00	<i>Coffee Break, at first floor lobby</i>	
<i>International cooperation and economical impacts of disasters</i>		Chair: Satoru Masuda, Tohoku University
16:00 - 16:15	Investors' perception about earthquake risk and its impact on price dynamics of the Japanese real estate investment trusts	Masaki Mori National University of Singapore
16:15 - 16:30	Seeking a treaty on international cooperation on disasters for the Pacific Rim: From the experience of the Great East Japan earthquake	Hiroki Horimi Tohoku University
16:30 - 16:45	What is the role of new universities in disaster management?	Hideyuki Shiroshita Kansai University

Friday 21 September Room C		
<i>Severe events of ocean and atmosphere</i>		Chair: Keiko Udo, Tohoku University
9:00 - 9:15	First impact assessment of river discharge in the Chao Phraya River Basin, Thailand, in a changing climate during the 21st century	Shuichi Kure Hokkaido University
9:15 - 9:30	Coastal disasters in the Upper Gulf of Thailand	Sompratana Ritphring Kasetsart University
9:30 - 9:45	Framework in structuring a competent functioning unit of climate change adaptation and mitigation (CCAM) at urban city/municipality and development of strategy towards CCAM: Makati City, Philippines	Tabassam Raza University of the Philippines
9:45 - 10:00	The adaptation enhancement for mitigation due to climate change: A case study of multi-hazards of typhoon Morakot 2009 in Taiwan	Harold Yih-Chi Tan National Taiwan University
10:00 - 10:15	Toward the intensity forecast of typhoon	Toshiki Iwasaki Tohoku University
10:15 - 10:30	Space weather research and application for the safeguard space activities	Takahiro Obara Tohoku University
10:30 - 11:00	<i>Coffee Break, at first floor lobby</i>	
<i>Disaster response and management</i>		Chair: Makoto Okumura, Tohoku University
11:00 - 11:15	Engineering lessons from the 2011 Tohoku tsunami to evacuation planning in Japan	Tomoya Shibayama Waseda University
11:15 - 11:30	Evaluating road network to shelter using a car utilizing traffic simulation	Jinyoung Kim Tohoku University
11:30 - 11:45	Relief goods delivery facilities, learned from the Great East Japan earthquake	Makoto Okumura Tohoku University
11:45 - 12:00	Comparative research on the adequacy of information and media utilizations between the students inside and outside the regions damaged by the 2011 off Pacific Coast of Tohoku earthquake in Japan	Erina Gyoba Tohoku University
12:00 - 12:15	Change of communication activities in suburban residential area, between normal time and after disaster - The case of detached housing area, Tsurugaya residential district in Sendai city -	Azuma Yoshimura Tohoku University
12:30 - 14:00	<i>Lunch Break, at first floor lobby</i>	
<i>Post disaster recovery and reconstruction</i>		Chair: Masashige Motoe, Tohoku University
14:00 - 14:15	Role of NGOs in the post-disaster community in China – Case studies of the 2008 Wenchuan earthquake in Sichuan, P.R. China –	Yumei Zhang Osaka University
14:15 - 14:30	How community empowerment aids recovery? The case of inter-organizational relations among post-Chi-Chi earthquake community empowerment in Taiwan	Hong-wei Hsiao National Taiwan University
14:30 - 14:45	A study on the point of issue in the planning at the initial stage of reconstruction - a comparison of recovery process of the two cities -	Kiyoaki Okasita Tohoku University
14:45 - 15:00	Land use plan and regulation for reconstruction of the affected area and its problems	Michio Ubaura Tohoku University
15:00 - 15:15	Landscaping of coastal embankments on post-tsunami reconstruction	Katsuya Hirano Tohoku University
15:15 - 15:30	Debris management and disposal in the tsunami-affected regions of North East Japan: Lessons for capacity building in other countries	Masaki Arioka NPO Society of Lifecycle Infrastructure Management
15:30 - 16:00	<i>Coffee Break, at first floor lobby</i>	
<i>Urban planning and disaster historiography</i>		Chair: Michio Ubaura, Tohoku University
16:00 - 16:15	Analysis of residential property in East Japan earthquake disaster area - About municipalities in Miyagi Pref. damaged by tsunami -	Koya Utsumi Tohoku University
16:15 - 16:30	The characteristic of apartment damage by earthquake disaster	Haruka Narumi Tohoku University