

برنامه هفتمین کنفرانس بین المللی مدیریت یکپارچه ریسک سوانح

**IDRiM 2016 Conference Program**

Saturday, 1 October 2016				
Time	Abbasi Hall			
08:30-11:00	<b>Opening Ceremony and Keynote Lectures</b> IIEA Pres. (Prof. Ashtiany) and IDRiM President (Prof. Okada); Isfahan Governor (H.E. Dr. Zargarpoor); H.E. Mr. Chitchian (Minister of Energy), Dr. Hemmati (President of Central Insurance Org.); Ms. Laroche (UNESCO). Keynote : Prof. Pavel Kabat (IIASA General Director)			
11:30-13:00	<b>High Level Panel on Socio-Economic Needs for DRR</b> <b>Keynote:</b> Prof. Haresh Shah: Disaster Risk Insurance for Mass <b>Panelist:</b> Dr. Zargar, Mr. Najjar (Iran DRM), Prof. Nachtnabel, Prof. Ashtiany, Prof. Tatano			
	<b>Abbasi Hall</b>	<b>Aeineh Hall</b>	<b>Zarin Hall</b>	<b>Sima Hall</b>
14:00-15:30	SS01-Building Code Implementation: Insurance and Economy (MRUD-IIEA) Mazaherian, Ashtiany	SS02-Water (MOE-IIASA) Kabat, Nachtnebel Langan, Taheri	SS07-Public Health Approach to IDRM (MOH-UNFPA-TU) Ardalan, Ahmadzadeh	SS11- Economic Analyses of Disaster Risk Reduction Muneta Yokomatsu
16:00-17:30			SS08-Human Coordination (IIASA) J. Mochizuki	GS-1 Risk communication

Sunday, 2 October 2016				
Plenary: Aeineh Hall (8:30-9:30)				
<b>Keynote:</b> Norio Okada: Creating a Milestone in IDRiM Initiatives: How Can We Go Further to Substantiate Implementation Science? <b>Panel Discussion:</b> Tatano, Collins, Onishi: Exploring Implementation Science: How can IDRiM work with GADRI?				
Time	Aeineh Hall	Zarin Hall	Sima Hall	Simin Hall
9:30-11:00	SS03-Risk and INSURANCE IIEES, ICI, IIS, ... Ashtiany, Shah....	SS04- Experience Sharing around the French Practical Approach of Seismic Security Engr. and RM (AFPS-IIEA) Amir-Mazaheri Moghadam, Hosseini	SS09- Integrating DRR into EIA/SEA (UNEP-UNDP) Thummarukudy	GS-4 Lessons Learned
11:30-13:00	1. Iran Insurance Strategy		SS10-Ecosystem-based Approaches to DRR (UNEP) Thummarukudy	GS-5 Flood Risk Management
14:00-15:30	2. Insurance for Masses		Young Scientist Session (IDRIM-IIEA) Yokomatsu, Izadkhal	GS-6 Climate Change
16:00-17:30	3. GEM Risk Modeling			GS-7 Water Risk
17:45-18:45	4. Engineering Insurance	SS12-Sense of Community (IIT-DPRI)_Parthasarathy		
	4. Insurance Tool			
	5. Panel Discussion			
<b>Aeineh Hall: IDRiM General Assembly</b>				

Monday, 3 October 2016			
Time	Aeineh Hall	Zarin Hall	Sima Hall
8:30-10:00	SS05-GRID Network Resilience (IIASA-MOE-IIEES) Komendantova, Ashtiany, Haghifam	SS13-Resilient City (KIT-IIEES); Khazai, Amini	SS14 Engineering Practice in Iran: Issues and Challenges (IIEES-IIEA-IEO-ITU) Moghaddam, Behnamfar
10:30-12:30		GS-2 Economy and Business Continuity	
14:00-15:30	SS06-Na-Tech (DPRI-JRC) Cruz and Krausmann	GS-3 Disaster Resp., Rec.& Reconstruction	GS-8 Earthquake Engr. and DRR
16:00-17:30	<b>Wrap-up Panel:</b> Global Disaster Risks: From volcanic eruptions to global disruption; Chair: H. Tatano <b>Panelists:</b> Okada, Ashtiany, Cruz, Nachtnebel, Pavel, Shah, Misra, Petursdottir, Krausmann, Ono <b>CLOSING CEREMONY:</b> IDRiM and YSS AWARDS; Closing by Prof. Ashtiany		

Notes: Breaks: Morning: 10:00 to 10:30AM; Lunch: 12:30-14:00PM; Afternoon: 15:30 to 16:00PM

برنامه جلسات تخصصی هفتمین کنفرانس بین المللی مدیریت یکپارچه ریسک

سوانح و توسعه: پیش به سوی جامعه آگاه

### Agenda of Special Sessions in IDRiM 2016 Conference

<b>SS-01</b>	<b>Building Code Implementation and Insurance Experiences, Challenges and Prospects</b>
<b>Abbasi Hall (Saturday, 1<sup>st</sup> October 14.00 – 17.30)</b>	
<b>Description:</b> This session discusses why building code enforcement and related regulatory processes have not yet resulted in reducing building vulnerability against natural hazards and improving the safety and quality of buildings. It will emphasize on finding the economic incentive and added value for good quality construction and use of the insurance and building quality and ranking system.	
<b>Organizers:</b> Iranian Earthquake Engineering Association (IEEA) and Ministry of Road and Urban Development (MURD)	
<b>Chairpersons:</b> Mohsen Ashtiany, Hamed Mazaherian	
<b>Time</b>	<b>Speaker and Title</b>
14.00-14.15	Hamed Mazaherian: Building Code Implementation and Construction Quality in Iran: Issues and Challenges
14.15-14.30	Thomas Moullier (WB-GFDRR): Building Regulation for Resilience Managing Risks for Safer Cities (Video Presentation)
14.30-14.45	Behrooz Gatmiri: Cindynic Approach: trends, findings and perspectives
14.45-15.00	Mohsen Ghafory-Ashtiany; President of IEEA: Standard for Evaluation and Ranking of Quality and Safety of Buildings (SEQSB) and its integration with economic value and insurance
15.00-15.15	Mehmet Ardoghan and Siamak Moghadam (UNHABITAT): Improving Human Coordination for Risk Aware Society
15:15-15:30	Discussion
15:30-16:00	<b>Tea and Coffee Break</b>
16.00-16.15	M.T. Ahmadi: National Building Codes in Iran
16:45-17:30	<b>Panel Discussion:</b> What is the best model for integrating building quality ranking and insurance as an economic incentive for code implementation process.  <b>Panelist:</b> Prof. Mazaherian (Deputy Minister of Road and Urban Development on Housing and Construction), Mr. Bitaraf (President of Tehran Engineering Organization), Prof. Shah (Stanford University), Prof. Ahmadi (President of Iran National Building Standards Council), Prof. Gatmiri (President of Engineering Consulting Association), Mr. Owlia (Secretary General of Iran Insurance Syndicate), Prof. Hosseini (Vice President of Iranian Society of Civil Engr.)

<b>SS-02</b>	<b>Water Management and Governance/Water Crisis</b>
<b>Aeineh Hall (Saturday, 1<sup>st</sup> October 146.00 – 17.30)</b>	
<p><b>Description:</b> Water induced risks are mainly related to flood and drought events but also pollution problems and erosion processes have to be considered. The triggering events are driven by climate change as well as by socio-economic development including migration. The socio-economic consequences, characterized by health impacts and economic damages, are dependent on the level of societal organization. While in industrialized countries the economic losses are dominant the less developed countries exhibit high death tolls related to flood events and droughts. Recent strategies to mitigate flood risk emphasize harmonization of land use planning with inundation maps. Drought management is still often based on physical measures, such as further development of storage capacities. But alternative measures such as the development of land management plans gain increasing attraction also in this domain with the main task to increase natural storage capacity in river basins and to preserve wetlands and forested areas. These measures would also help in reducing erosive processes, which are in some regions the most critical water related issue, but they would also beneficial in mitigating pollution problems. The task of this water session is to address some of these issues and to identify strategies which could be adapted in other regions too.</p>	
<b>Organizers:</b> IIASA-MoE-BOCU	
<b>Chairpersons:</b> Hans-Peter Nachtnebel, Pavel, Simon Langen, Bahram Taheri	
<b>Time</b>	<b>Speaker and Title</b>
14:00-14:10	Chairs Introduction: Objective of the Special Session
14.10-14.30	Isa Kalantari (President Special Adviser on Water Management): Future of Water, Population and Food Security in Iran
14.30-14.45	Alireza Daemi (MoE Vice Minister): Water Economy and policy
14.45-15.00	Mirmohamad sadeghi, Ehsani: Zayanderood Water Basin Management
15.00-15.15	Bahram Taheri: Lake Uromieh Dessication: Is it a water Governance Problem?
15:15-15:30	H.P. Nachtnebel: Good Governance: Sustainable Development
15:30-16:00	<b>Tea and Coffee Break</b>
16.00-16.15	Simon Langen: Water Program at IIASA
16.15-16.30	Reza Maknoon (Amirkabir University): Need for virtual Water Management in Iran
16.30-16.45	Ebrahimnia, Fahmi: Integrated Water Management Strategy of Iran MoE
16.30-17.30	<p><b>Panel Discussion:</b> Cooperation on Future Water Management and Governance under climate uncertainty <b>Or</b> How to effectively aware the society toward creating a public demand on water security</p> <p><b>Panelist:</b> Isa Kalantari, Daemi, Hans-Peter Nachtnebel, Pavel, Simon Langen, Bahram Taheri, Ebrahimnia</p>

<b>SS-03 Risk Management, Disaster Insurance and Insurance for Masses</b>	
<b>Aeineh Hall (Sunday, 2<sup>nd</sup> October 9:30 - 17.30)</b>	
<b>Description:</b> This session examines how earthquake insurance can be brought to the masses where almost all those people who are at the bottom of the economic pyramid can avail themselves to such Financial technology product. Also the roles of disaster insurance on the recovery after disasters are discussed. Implementation of disaster insurance in developing countries, especially in Iran, encounters several difficulties. In this session, the international experiences on disaster insurance are debated and several methods for solving the implementation problem are discussed.	
<b>Organizers:</b> Stanford University, Iranian Earthquake Engineering Association of (IEEA) and Iran Insurance Syndicate	
<b>Chairpersons:</b> Prof. Haresh Shah: Distinguished Prof. of Stanford University and Prof. Ashtiany	
<b>Time</b>	<b>Speaker and Title</b>
9.30-10:00	Haresh Shah: Introducing the Concept of Insurance for Masses
10.00-10.15	Ian Chen: The Use of Technology for Mass Market Insurance
10:15-10.30	Xianyong Alex Chen: Catastrophe Risk Management in Asia – Development Strategies for Insurance for the Masses
10:30-10:45	Iran Central Insurance organization and Iran Insurance System and Strategy
11.00-10.45	Kiarash Naser-Asadi, Ashtiany: Risk Base Earthquake Insurance Index for Buildings in Iran
10:45-11:00	M.R. Zolfaghari: On Effects of Policy Conditions on Insurance Penetration in Tehra
11:00-11:30	<b>Tea and Coffee Break</b>
11:30-11:45	
11:45-12:00	
12.00-13.00	<b>Panel Discussion:</b> How to integrate Insurance into sustainable development process, implement Insurance for Masses and increase the insurance coverage <b>Panelist:</b> Prof. Haresh Shah, Prof. Ashtiany,....
13:00-14:00	<b>Lunch</b>
14.00-14.30	John Schneider: Global Earthquake Model, an effective tool for insurance risk modeling
14.30-14.45	Dominik Lang, et. al.: Tools for Earthquake Loss Estimation, Recent developments and possibilities for practical use.
14.45-15:00	Stefan Hochrainer-Stigler: IIASA CATSIM tool
15:00-15:15	John Schneider: GEM-EMME Project a tool for urban risk assessment
15:15-15:30	Development of a Catastrophe Risk Model to Manage Earthquake Risk and Promote Catrisk Insurance in the Middle East
15:30-16:00	<b>Tea and Coffee Break</b>
16.00-16.15	Ashtiany, Taheri: Risk Management and Insurance at Iran Ministry of Energy
16.15-16.30	Hooman Motamed: Optimal Catastrophe Property Portfolio in Light of Solvency II Capital Requirement
16:30-16:45	Latifi, Mirzaei: Iran Disaster Insurance Pool
16:45-17:00	Iran Insurance Company
17:00-17:30	<b>Panel Discussion:</b> How integrate risk Modeling into Iran Insurance Industry <b>Panelist:</b> Schneider, Ashtiany, Shah, Lang, Mirzaie, Sadeghnejad, Representative from Iran Insurance companies

<b>SS-04</b>	<b>Experience Sharing around the French Practical Approach of Seismic Security Engineering and Risk Management</b>
<b>Zarin Hall (Sunday, 2<sup>nd</sup> October 9:30 – 15:40)</b>	
<b>Description:</b> The session focuses on the main unclassical steps of the process for which French Deciders needed more information from the professional world to improve decision making. Each step is a technical field, but only the main assumptions, methodology, main conclusions and Influence on the political decision will be presented.	
<b>Organizers:</b> French Association for Earthquake Engineering (AFPS), Iranian Earthquake Engineering Association of (IEEA)	
<b>Chairpersons:</b> Darius Amir-Mazaheri (AFPS); A.S. Moghadam (IEEA)	
<b>Time</b>	<b>Speaker and Title</b>
9.30-10:10	Darius Amir-Mazaheri, Honour & Former President, AFPS: Overall seismic security engineering: state of the art and feedback on current practical knowledge and needs
10.10-10.20	Mohsen Ashtiany and Armin Aziminejad (IEEA): Status of Earthquake Engineering in Iran
10:20-10.50	François Dunand, Geoter-Fugro: Instrumental seismicity and implementation; tectonic motion by GPS; synthesis in useful data with the use of historical seismology and source effect analysis
10:50-11:10	Jean-Philippe Girard, AFPS: High risk industries in France: joint action by public authorities, owners/operators and the French association for earthquake engineering (AFPS) for a safe design and operation taking into account the seismic hazard.
11:10-11:30	<b>Tea and Coffee Break</b>
11.30-11.50	Darius Amir-Mazaheri: Strategic elements for crisis management in seismic situation
12.10-11.30	Nicolas Taillefer – BRGM: Vulnerability assessment at city level: describing existing situation to enhance DRM action plans. Examples of four Iranian cities and Nice (France)
12.30-12:50	Nicolas Taillefer – BRGM: Preliminary Diagnostic for Public Buildings: Providing Decision Makers with quantitative information. Case Study at provincial level, South West of France (Hautes-Pyrénées)
12.50-13.10	François Dunand – AFPS: Emergency and Crisis Management
13:10-14:00	<b>Lunch Break</b>
14.00-14.40	Pierre Tinard – CCR: Seismic risk financing and transfer in France: the practical experience of a public-private insurance scheme.
14.40-15:00	Pierre Tinard – CCR: Contribution of the insurance sector to an integrated approach of seismic risk management, involving risk transfer, risk prevention policy financing and data sharing for decision making and participative governance.
15.00-15.40	<b>Panel Discussion:</b> Round Table discussion on practical Lessons learned from national integrated seismic risk management and further co-operation to implements. <b>Panelist:</b> D. Amir-Mazaheri, F. Dunand, JP. Girard, N. Taillefer, P. Tinard, A.M. Cruz, N. Okada, M. Ashtiany, B. Gatmiri, A.S. Moghadam, M. Hosseini, A. Kalantari

SS-05	Resilience of Electric Grid Network to Natural Disasters
<b>Aeineh Hall Monday, 3<sup>rd</sup> October 08:30 – 12:30)</b>	
<b>Description:</b> The session toward the development of the joint cooperation on the Resiliency of Electric Grid Network to Natural Disasters. At this stage it will examines what is the structure of the GRIS network in Iran, what type of data Is available; as well as the vulnerability of electricity grid to natural disasters and investigates methods for reducing and transferring the associated risk with electricity networks.	
<b>Organizers:</b> International Institute for Applied Systems Analysis (IIASA), Ministry of Energy and IIEES	
<b>Chairpersons:</b> Nadejda Komendantova (IIASA) and Mohsen Ashtiany (IIEES, MoE)	
Time	Speaker and Title
08:30-8:40	Chairs Introduction: Objective of the Special Session
08.40-08:55	Stefan Hochrainer-Stigler (IIASA): Systemic and Extreme Risks: Ways forward for a Joint Framework.
08:55-09:15	Haghifam (MoE-Tavanir): An overview on Iran Electricity Grid Network; with special emphasize on Tehran
09:15-09.30	Friedemann Wenzel (KIT): Exogenous threats to large infrastructure systems
09:30-09:45	Farrokh Nadim (NGI): Managing the risk posed by geo-hazards to electricity network in Norway
09:45-10:00	Nadejda Komendantova, Masoud Yazdanpanah (IIASA): Impacts of energy transition in Iran on vulnerability of infrastructure to natural hazards
10:00-10:30	<b>Tea and Coffee Break</b>
10:30-10:45	Kanat Botbaev (Energy Charter Secretariat): The role of international cooperation in protecting critical energy infrastructure
10.45-10.55	Mohsen Ghafory-Ashtiany and Mahban Arghavani (IIEES): Overview on past performance of the Iran Grid network during natural disasters.
10.55-11:10	Morteza Bastami: Seismic Risk Assessment of Tehran Electric Power Network using an Integrated Methodology
11:10-11:20	Babak Esmaeilzadeh and Babak Mansouri (IIEES): Status of the existing seismic standards for the electric grid network safety.
11:20-11:35	Oscar van Vliet (ETH Zurich), Resilience of electricity transmission grids
11.35-12:30	<b>Panel Discussion:</b> IIASA-MoE-IIEES Roadmap for Economic Resilience of Electricity Grid Network <b>Panelist:</b> Nadejda Komendantova and Stefan Hochrainer-Stigler (IIASA), Mohsen Ashtiany (IIEES, MoE), Mahmood Hosseini (IIEES)

<b>SS-06</b>		<b>Advances in Natech Disaster Prevention and Mitigation</b>	
<b>Aeineh Hall (Monday, 3<sup>rd</sup> October 14:00 – 15:30)</b>			
<b>Description:</b> The continued occurrence of Natech events and the ongoing environmental changes are an invitation to revisit existing expertise and practices in risk analysis and assessment, and emergency response planning at industrial facilities and in communities potentially affected.			
<b>Organizers:</b> Disaster Prevention Research Institute (DPRI) and European Commission, Joint Research Centre			
<b>Chairpersons:</b> Anna Maria Cruz and Elisabeth Krausmann			
Time	Speaker and Title		
14.00-14.15	Ana Maria Cruz- Kyoto University, Japan: Resilience in the Face of Natech Disasters: Findings from the ResTO-TerRiN Project		
14.15-14.30	Elisabeth Krausmann- Joint Research Centre, European Comm.: Natech Risk Reduction and Assessment		
14.30-14.45	Junlei Yu – Nanyan Technological University, Singapore: Household Reentry Behavior after Evacuating for Natech Accident		
14.45-15.00	Mehran Razzaghi-IEEA, Iran: Comprehensive report on Oil, gas, petrochemical and Industrial Accidents in Iran		
15:00-15:30	<b>Panel Discussion:</b> Risk reduction of Na-Tech in Iran <b>Panelist:</b> Ana Maria Cruz and Elisabeth Krausmann, Mehran Razzaghi, Hosseini		

<b>SS-07</b>		<b>Public Health Approach to Integrated Disaster Risk Management: From Concept to Action</b>	
<b>Zarin Hall (Saturday, 1<sup>st</sup> October 14:00 – 15:30)</b>			
<b>Description:</b> The session discusses strategies and priority actions on how public health main pillars and capabilities can be used for community DRM.			
<b>Organizers:</b> Tehran University of Medical Sciences, United Nations Population Fund and Ministry of Health and Medical Education			
<b>Chairpersons:</b> Ali Ardalan and Soodabeh Ahmadzadeh			
Time	Speaker and Title		
14:00-14:05	Chairs Introduction: Objective of the Special Session		
14.05-14.20	Ardalan: Public health approach to integrated DRM: From concept to Action		
14.20-14.35	Ahmadzadeh (UNFPA)		
14.35-14.50	Abbas Ostadtaghizadeh: Women in disasters: Vulnerable or resilient		
14:50-15:05	Forouzandeh Jannat: Network analysis of crisis and emergency management under uncertainty in Tehran University of Medical Sciences hospitals		
15:05-15:20	Javad Babaie: Evidence-Based Disaster Risk Management for Health (EBDRMH)		
15:20-15:40	<b>Discussion</b>		

<b>SS-08</b>	<b>Improving Human Coordination for Risk Aware Society</b>
<b>Zarin Hall (Saturday, 1<sup>st</sup> October 14:00 – 15:30)</b>	
<b>Description:</b> The session discusses topics fall under the broad theme of humanitarian operation to gather a good mixture of theoretical and empirical studies across the globe. Discussions offered in this session could be of interest to a broad professional audience including researchers, practitioners, policy-makers and private sector stakeholders.	
<b>Organizers:</b> IIASA	
<b>Chairpersons:</b> Junko Mochizuki	
<b>Time</b>	<b>Speaker and Title</b>
16:00-16:05	Chairs Introduction: Objective of the Special Session
16.05-16.20	Junko Mochizuki: Review of serious gaming applications in humanitarian operations and disaster risk management: state-of-the-art and future directions for research
16.20-16.35	Hideyuki Ito: Reducing the Second Disaster through a Better Communication with Donors
16.35-16.50	Repaul Kanji: The Essence and Importance of Commitments in Humanitarian Logistics in Disaster Management
16.50-17:05	Bettina Wenzel, Jessica Reiter: The Harmonization of People's Needs and Professional NGO Assistance. The Case of Flooding in Germany
17:05-17:20	Anjali Sen, Rajrattan Lokhande: Localizing Humanitarian response and preparedness mechanisms: A case study of Pakistan on mainstreaming sexual and reproductive health in crises
17:20-17:40	<b>Discussion</b>

<b>SS-09</b>	<b>Integrating DRR into Environmental Impact Assessment and Strategy Environmental Assessment (EIA/SEA)</b>
<b>Sima Hall (Sunday, 2<sup>nd</sup> October 09:30 – 11:00)</b>	
<b>Description:</b> The session will discuss good international practices of integrating DRR elements into EIA/SEA and discuss how it could be promoted as a global best practice.	
<b>Organizers:</b> UNEP-UNDP-Iran DoE	
<b>Chairpersons:</b> Muralee Thummarukudy, Chief Disaster Risk Reduction, UNEP	
<b>Time</b>	<b>Speaker and Title</b>
09:30-09:35	Chairs Introduction: Objective of the Special Session
09.35-09.50	Dr. Motasaddi, Deputy for Human Environment, Iran Dept of Environment: EIA process in Iran and Risk Assessment
09:50-10:05	Irfan Maqbool, ADPC Bangkok. Topic : Collaboration with the Government of the Philippines on integrating DRR in EIAs
10:05-10:20	Armen Grigoryan, UNDP Regional Office in Ankara. Topic : UNDP projects in West Asia on the disasters and development nexus
10:20-10:35	Bahram Taheri, Senior Environment, Health & Safety advisor to the Minister of Energy (and Water Resources) of Iran. Topic: ?
10:35-10:50	Niloufar Bayani, UNEP. Topic: Integrated Strategic Environmental Assessments in Sri Lanka and Nepal
10:50-11:00	<b>Discussion</b>



<b>SS-10</b>	<b>Ecosystem-based Approaches to Disaster Risk Reduction in the Region</b>
<b>Sima Hall (Sunday, 2<sup>nd</sup> October 11:30 – 13:00)</b>	
<b>Description:</b> The session will discuss good international practices of integrating DRR elements into EIA/SEA and discuss how it could be promoted as a global best practice.	
<b>Organizers:</b> UNEP-Iran DoE	
<b>Chairpersons:</b> Muralee Thummarukudy, Chief Disaster Risk Reduction, UNEP	
<b>Time</b>	<b>Speaker and Title</b>
11:30-11:35	Chairs Introduction: Objective of the Special Session
11.35-11.45	UNEP Video: Introduction to Eco-DRR and UNEP
11:45-12:00	Shirinagha Samim, UNEP: Eco-DRR project in Afghanistan and linkages to national policy
12:00-12:15	Fatima Akbary, UNEP: Chemicals and Disaster Management in Natural Settings
12:15-12:30	Saeeda Gouhari, UNEP: Sendai Framework in Afghanistan and Links to other Multilateral Environmental Agreements
12:30-12:45	Rahmati, Iran EIA Process and Risk assessment
12:45-13:00	Bagherzadeh; DOE: Ecological Disaster Risk Management Experience in the Iranian wetlands

<b>SS-11</b>	<b>Economics Analyses of Disaster Risk Reduction</b>
<b>Sima Hall (Saturday, 1<sup>st</sup> October 14:00 – 15:30)</b>	
<b>Description:</b> The session is composed both of theoretical and empirical studies of leading economists in disaster area. Learning their focuses and results, participants will discuss on development of analytical frameworks that are consistent and integrated to investigate economic impact of disaster and risk reduction policies.	
<b>Organizers:</b> Disaster Prevention Research Institute (DPRI)	
<b>Chairpersons:</b> Muneta Yokomatsu	
<b>Time</b>	<b>Speaker and Title</b>
14:00-14:05	Chairs Introduction: Objective of the Special Session
14.05-14.20	Stefan Hochrainer-Stigler: Modelling Macroeconomic Effects of Natural Disaster Risk: A Large Scale Agent Based Modelling Approach using Copulas
14.20-14.35	Masamitsu Onishi : Sharia'h compliance of catastrophic insurance
14.35-14.50	Junko Mochizuki: Disasters as opportunity for Change: Tsunami Recovery and Energy Transition in Japan
14:50-15:05	Muneta Yokomatsu: An Economic Growth Model for Disaster Risk and Formation of Disaster-Prevention Capital
15:05-15:35	<b>Panel Discussion</b>

<b>SS-12</b>		<b>Issue and Problems for Effective Community Based Disaster Risk Management</b>	
<b>Zarin Hall (Sunday, 2<sup>nd</sup> October 14:00 – 15:30)</b>			
<b>Description:</b> The session discusses topics fall under the broad theme of humanitarian operation to gather a good mixture of theoretical and empirical studies across the globe. Discussions offered in this session could be of interest to a broad professional audience including researchers, practitioners, policy-makers and private sector stakeholders.			
<b>Organizers:</b> DPRI-IIT Bombay			
<b>Chairpersons:</b> D. Parthasarathy, Department of Humanities and Social Sciences, Indian Institute of Technology, Bombay, Mumbai, India			
<b>Time</b>		<b>Speaker and Title</b>	
16:00-16:05		Chairs Introduction: Objective of the Special Session	
16.05-16.20		Yoko Matsuda, Associate Professor, Institute for the Research of Disaster Area Reconstruction, Nagaoka University of Technology, Japan	
16.20-16.35		Wei Xu: Exploring how changes in evacuation population affect shelter capacity and evacuation time: A case study of the Town of Jinzhan in Chaoyang District, Beijing, China	
16.35-16.50		Bijay Anand Misra: Building Aware Society and Resilient Communities: Treading the Last Mile for Effective Disaster Risk Governance in Managing Disaster	
16.50-17:05		Subhajyoti Samaddar: The Process Mechanism for Effective Community Participation in Disaster Risk Management: “Self-Efficacy” as a Catalyst	
17:05-17:20		D. Parthasarathy: Climate Change, Uncertainty and Flooding in Mumbai, India: The Role of Emergent Communities in Disaster Perception, Action and Policy-making.	
17:20-17:30		<b>Discussion</b>	

<b>SS-13</b>		<b>Resilient City and Infrastructure</b>	
<b>Zarin Hall (Monday, 3<sup>rd</sup> October 8:30 – 10:00)</b>			
<b>Description:</b> The session focuses on the main elements (i.e. physical, socio-economic, etc.) affecting resiliency of urban fabrics to natural disasters and their measuring models. During the recent years and especially after the approval of SFDRR in Sendai (2015), many researches towards developing appropriate models for measuring and improving resilience at local levels have been implemented and few models have been presented in the relevant literatures. Some of these methods will be addressed in this session and their application in different geographical locations will be discussed.			
<b>Organizers:</b> Karlsruhe Institute of Technology (KIT) and IIEES			
<b>Chairpersons:</b> Bijan Khazai (KIT-Germany), Amini (IIEES)			
<b>Time</b>		<b>Speaker and Title</b>	
08:30-8:40		Chairs Introduction: Objective of the Special Session	
08.40-08:55		Bijan Khazai: Resilience Performance Scorecard, Measuring urban disaster resilience at multiple levels of geography	
08:55-09:15		Sebnem Duzgun: Interdependency Analysis of Road Infrastructure for Earthquake Triggered Landslides	
09:15-09.30		M. Arghavani, M. Ashtiany: Conceptual thought on Resilience concepts	
09:30-09:45		Kambod Amini: Challenges and opportunities in promoting the resilience level in	

	urban fabrics
09:45-10:00	Jozef Ristvej: COBACORE as the Tool for Supporting Resilient Societies and Cities, Lessons Learnt from Past Disasters
11.35-12:30	<b>Panel Discussion:</b> Importance level of resilience elements and priorities for intervention in urban fabrics <b>Panelist:</b>

<b>SS-14</b>	<b>Panel Discussion on Engineering Practice in Iran: Issues and Challenges</b>
<b>Sima Hall (Monday, 3<sup>rd</sup> October 8:30 – 12:30)</b>	
<b>Description:</b> The session focuses on the main elements (i.e. physical, socio-economic, etc.) affecting resiliency of urban fabrics to natural disasters and their measuring models. During the recent years and especially after the approval of SFDRR in Sendai (2015), many researches towards developing appropriate models for measuring and improving resilience at local levels have been implemented and few models have been presented in the relevant literatures. Some of these methods will be addressed in this session and their application in different geographical locations will be discussed.	
<b>Organizers:</b> Organizers IIEES-IEEA-IEO-ITU	
<b>Chairpersons:</b> Farhad Behnamfar, ITU and Abdolreza S. Moghadam, IIEES-IEEA	
<b>Time</b>	<b>Speaker and Title</b>
08:30-08:40	Chairs Introduction: Objective of the Special Session
08.40-08:55	Farhad Behnamfar, ITU
08:55-09:15	Abdolreza S. Moghadam, IIEES
09:15-09:30	Representative of IEO-Isfahan
09:30-09:45	Representative of IEO-Shiraz
09:45-10:00	Representative of IEO-Tehran
10:00-10:15	Arian-Moghadam, Salar: Standard Framework for Evaluation and Ranking of Quality and Safety of Buildings
11.15-12:30	<b>Panel Discussion:</b> <b>Panelist:</b>

<b>SS-15</b>		<b>Young Scientist Session</b>	
<b>Siam Hall (Sunday, 2<sup>nd</sup> October 14:00 – 18:00)</b>			
<b>Description:</b> To appreciate and encourage the young scientist and giving them visibility among senior scientist; the 'Young Scientists Session (YSS)' is a unique and special occasion that the IDRiM conference provides young researchers every year. Every participant of the session gives oral presentations and experiences fruitful discussions with other young scientists as well as senior researchers and professors. Participants in the YSS are eligible to participate in the "Best Paper Award" competition, organized, evaluated and awarded during the conference. The Award Ceremony is held during the conference.			
<b>Organizers:</b> IDRIM and IEEA			
<b>Chairpersons:</b> Muneta Yokomatsu and Yasmin Izadkhah			
<b>Time</b>	<b>Speaker and Title</b>		
14:00-14:15	Adibzadeh Seyed Benyamin: Increasing the Seismic Resilience of Buildings Using Movable Bracing Elements for Temporary Night-time Retrofit		
14:15-14:30	Arian-Moghaddam Salar: Fast Shift to the Seismic Resilience; Building a House of Sand and Fog		
14:30-14:45	Tayaran Ali: Using Pillow-Shape Base Isolators, an Efficient, Low Cost and Low Tech Seismic Isolation to Make Buildings Resilient against Near-field Earthquakes		
14:45-15:00	Arghavani Mahban: Some Conceptual Thoughts on Modeling of Resilience		
15:00-15:15	Shahbazi Parisa: Need for a Seismic Risk Hedging Instrument for Iran Okhovvat		
15:15-15:30	Hashemi Banafsheh: Effects of Earthquakes on Railway Transportation System, and Some Measures for Upgrading Its Resilience		
15:30-15:45	Leili Nazanin: Comparing the Earthquake Performance of Four Selected Hospitals in Tehran Based on the Fragility of Their Emergency Section Equipment		
15:45-16:00	Samadian Delbaz: Evaluation of Resilience Index Using Fragility Curves		
16:00-16:15	Short Break		
16:15-16:30	Zaryoun Mona: On the Role of Modern Sustainable Architecture in Disaster-Resiliency of New Buildings and Cities		
16:30-16:45	Atrachali Mohammad: A framework for urban seismic resilience assessment, Case study of two districts in Tehran		
16:45-17:00	Chavoshy Amir: Necessity of introducing the resilience framework to the urban road network throughout earthquake for analysis of improvement solutions		
17:00-17:15	Bayat Zohreh: On the Use of Spaces under City Bridges for Disaster Emergency Response and Post-Disaster Sheltering – Case Study: Hafez Overpass Bridges in Tehran		
17:15-17:30	Iwahori Takuya: Practice of Disaster Education Based on Legitimate Peripheral Participation Theory: A New Approach to Learning		
17:30-17:45	Asadzadeh Simin: Evaluation of the relevant parameters affecting the vulnerability of old urban historical and commercial fabrics to potential earthquakes		
17:45-18:00	Haneih Okhovvat: Disaster-Resiliency Aspects of Vernacular Architecture: Case Study of Dezful, Southwest Iran		

## Agenda of General Sessions in IDRiM 2016 Conference

<b>GS-1</b>	<b>Risk communication</b>
<b>Sima Hall (Saturday, 1<sup>st</sup> October 16.00 – 17.30)</b>	
<b>Chairpersons:</b>	
16.00-16.15	Tadashi Ise: An Introduction to Disaster Information Sharing System Considering the Diversity of the Municipalities and its Possible Utilization in the Aftermath of Gorkha Earthquake
16.15-16.30	Yasamin Izadkhah: Executive Policies for Improving Local Participation and Networking in Risk Management
16.30-16.45	Nicolas Taillefer: ThinkHazard! - Giving decision makers access to multi-hazard information for safer projects
16.45-17.00	Michaela Ibrion: Earthquake Culture in Iran: Resilience and Learning from Large Earthquake Disasters in Iran
17.00-17.15	Yingying Sun: MyDrill: A smartphone-based simulation tool for tsunami evacuation
17.15-17.30	Hossein Tajmir Riahi: Implementation Plan for Disaster Risk Governance in Iran

<b>GS-2</b>	<b>Economy and Business Continuity</b>
<b>Zarin Hall (Monday, 2<sup>nd</sup> October, 10.30 – 12.30)</b>	
<b>Chairpersons:</b> Kenji Ono, H. Motamed	
10:30-10.45	Tetsuya Torayashiki: Study on the Differences Between the Indirect Economic Impacts of the Predicted Volcanic Eruption and Earthquake in the Miyagi
10.45-11.00	Morteza Bastami: Models Estimation of Economic Losses due to Earthquake in Lifeline Systems
11.00-11.15	Yasuhiro Akakura: A Possible Risk Reduction of the Negative Impact of Port Blockage by Disasters on the Global Trade and Economy - Case study of U.S. West Coast Port Disruption
11.15-11.30	Kenj Ono: Computer Aided Analysis for Managing Business Continuity in Ports
11.30-11.45	Lijiao Yang: Measuring business interruption loss due to floods disaster with a supply-driven input-output model
11.45-12.00	Niloofer Sadeghi Komjani: Seismic risk analysis of water supply systems considering interaction between and common cause failure and providing risk reduction strategies, Case study: Water network in municipal district No. 6 of Tehran
12:00-12:15	Mohammad Mokhtari: Socio-Economic Impact of Tsunami in the Makran Region-South East Iran
12:15-12:30	

<b>GS-3</b>	<b>Disaster Response, Recovery and Reconstruction</b>
<b>Zarin Hall (Monday, 3<sup>rd</sup> October; 14:00 – 15:30)</b>	
<b>Chairpersons:</b>	
14.00-14.15	Tomohiro Ichinose: Disaster risk reduction through land use planning – a lesson learned from the 2011 Tōhoku earthquake and tsunami in Kesenuma City
14.15-14.30	Hitomu Kotani: Quantitative Evaluation of the Effect of a Disaster-resistant Public Space on Social Network Formation: Is the Reconstruction of a Shopping Street an Excess Investment?
14.30-14.45	Hiroaki Daimon: “Pay it Forward” and Altruistic Responses to Disasters in Japan: Simulating and Latent Class Analysis of Support Following the 2011 Tohoku Earthquake
14.45-15.00	Sina Rokhsati: Design an Intelligent Fire Detection System Based on Neural Network and Particle Swarm Optimization
15.00-15.15	Marie Bartels: Networks for inter-organisational response planning
15.15-15.30	Nemat Mohammadi: Significance of Evaluation Different Disaster Scenarios to Create a Comprehensive Evacuation Plan for the Rural Inhabitants in Flooding Situations

<b>GS-4</b>	<b>Lesson Learned</b>
<b>Sima Hall (Sunday, 2<sup>nd</sup> October 09.30 – 11.00)</b>	
<b>Chairpersons:</b>	
09.30-09.45	Ahmadreza Ansari: Past Earthquakes Lessons for Disaster Risk Financing
09.45-10.00	Aota Ryosuke: Consideration on the Situation in One Year after 2015 Nepal Earthquake
10.00-10.15	Kiarash Nasseradi: Reconstruction and Recovery Lessons learned from Bam, Iran Earthquake, 26th December 2003
10.15-10.30	Kiarash Nasseradi: Reconstruction Planning for Future Disasters – Case Study of Zanjan City
10.30-10.45	Mehdi Zare: Lessons learned from the 2015 Mw7.8 Gorkha, Nepal Earthquake
10.45-11.00	Yosuke Inui: The Nepal Earthquake: Rethinking Vulnerability and Resilience

<b>GS-5</b>	<b>Flood Risk Management</b>
<b>Sima Hall (Monday, 3<sup>rd</sup> October 14:00 – 15:30)</b>	
<b>Chairpersons:</b> Hans-Peter Nachtnebel	
14.00-14.30	Shamsaei: Khoseztan Flood Management
14.30-14.45	H.P. Nachtnebel: Flood Risk Assessment in a Changing Environment
14.45-15.00	Mohammad Karamouz: Building Flood Resilience in Water Infrastructure: Developing a shared vision
15.00-15.15	Flora Guillier PAPI: How effective is this public policy instrument for building integrated coping capacities with regards to flood risk?–
15.15-15.30	

GS-6	Climate Change
<b>Sima Hall (Sunday, 2<sup>nd</sup> October; 14:00 – 15:30)</b>	
<b>Chairpersons:</b> Andries Jordaan, Hans-Peter Nachtnebel	
14.00-14.15	Jessica Reiter: The Social Dimension of Heat Waves, Blind Spots in Climate Change Adaptation and Disaster Risk Management in Germany and India
14.15-14.30	Somayeh Shadkam: Preserving the World Second Largest Hypersaline Lake under Future Irrigation and Climate Change
14.30-14.45	Xinyu Jiang: Assessment of storm surge inundation risk due to climate change: a case study of Ise bay, Japan
14.45-15.00	Masoud Yazdanpanah Do Iranian policy makers truly understand and dealing with the risk of climate change regarding water resource management?
15.00-15.15	Mohammad Rahimi Climate Change Disaster Risk Reduction: A Developing County Perspective
15.15-15.30	Andries Jordaan: Drought loss functions for extensive livestock production: Case study of wool sheep in South Africa

GS-7	Water Risk
<b>Sima Hall (Sunday, 2<sup>nd</sup> October 16:00 – 17:30)</b>	
<b>Chairpersons:</b>	
16.00-16.15	Ali Yousefi: Exposure to the Risk of Water Scarcity and Rural Poverty: a Case Study of Isfahan County, Iran
16.15-16.30	M. Javad Mehrani: Investigating the impact of water pressure reduction in water distribution network on different factors (Case Study: North of Tehran City)
16.30-16.45	Mohammad A. Asadi-Zarch: How did the risk of droughts in Iran's arid areas change in response to climate change? -
16.45-17.00	Hossein Malekinezhad: Regional Drought Monitoring and Analysing Using Linear Moments (Case Study: Central Basin of Iran)
17.00-17.15	Naser Dehghanian: Drought Frequency Analysis Based on Development of a Multivariate Standardized Index (Rainfall-Runoff)

GS-8	Earthquake Engineering and DRR
<b>Sima Hall (Sunday, 2<sup>nd</sup> October; 11:30 – 13:00)</b>	
<b>Chairpersons:</b>	
11.30-11.45	Mahdi Bamdad: Investigation of redundancy coefficient of RC frames to approach of Disaster Risk Management
11.45-12.00	Gholamreza Ghodrati Amiri, Elham Rajabi: Introduction of the most suitable parameter for selection of critical single and consecutive damaging scenario on regular reinforced concrete frames
12.00-12.15	M. R. Farmani: Influence of Lead-Extrusion Dampers on Annual Seismic Risk of a Hospital Building
12.15-12.30	Reza Taherzadeh: Earthquake Dam-Reservoir Interaction Analysis of Arch Dams
12.30-12.45	Hossein Tajmir Riahi: Multihazards Risk Assessment Approaches in Civil Engineering
15.45-13.00	N. Razaghi-Kashani: Adding value to an integrated risk management system by effectively incorporating post-earthquake structural assessment
13:00-13:15	Sohrab Baghery: New Hospital Princess Grace in Monaco: a seismic challenge



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