

Organised by



TECHNOLOGY INFORMATION, FORECASTING AND ASSESSMENT COUNCIL

An Autonomous Body under the Department of Science and Technology (DST)

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VI<sup>th</sup>  
Annual  
Conference  
of the  
International  
Society for  
Integrated  
Disaster Risk  
Management

# TIFAC IDRiM 2015

DISASTER  
RISK REDUCTION  
Challenges and  
Opportunities for  
Sustainable  
Growth



28<sup>th</sup>-30<sup>th</sup>  
October 2015

Scope Convention Centre  
New Delhi, India

**PROGRAMME GUIDE**

## DAY 0 Tuesday 27th October, 2015

- 17:00 – 19:00 Registration
- 17.00 – 19:00 IDRiM Society Board of Directors Meeting  
**Venue:** Fazal Hall, Scope Convention Centre
- 19:30 – 21:30 Cocktail Dinner for Board Members;  
**Venue:** Indian Habitat Centre, Lodhi Road, New Delhi

## DAY 1 Wednesday 28th October, 2015

- 09:00 – 17:00 Registration : **Foyer, Scope Convention Centre**
- 09:30 – 11:00 Inaugural Session : **Auditorium**

## PROGRAMME

Welcome Address and Introductions by Executive Director-TIFAC	Prof. Prabhat Ranjan,
Welcome address on behalf of IDRiM	Prof. Norio Okada
Welcome address on behalf of IIASA	Dr. Joanne Bayer
Address by, UN Resident Coordinator and UNDP Resident Representative	Shri Yuri Afanasiev
Address by Chairman-TIFAC	Dr. Anil Kakotkar
Address by Chief Guest, Minister of State for Home Affairs	Shri Kiren Rijiju
Vote of Thanks	Prof. K. V. L. Subramaniam

- 11.00 – 11.30 Tea Break
- 11:30– 12:00 **Keynote Lecture One: Responding to the Challenges of Disaster Risks**  
**Speaker:** Dr OP Singh, Director General-National Defense Response Force (NDRF), New Delhi, India  
Title of presentation:  
Chair: Dr. Mohsen Ashtiany, International Institute of Earthquake Engineering and Seismology (IIEES), Iran
- 12.00 – 01:00 PM **Panel Session One: Challenges and Opportunities for Sustainable Growth**  
Chair: **Prof. Norio Okada, IDRiM President, Professor, DPRI, Kyoto University**
- Panelists: **AB Pandya**, Chairman-Central Water Commission, Ministry of Water resources, New Delhi, India  
**Dr Shailesh Nayak**, Consultant, MOES, New Delhi, India  
**Pradipta Banerji**, Director-IIT, Roorkee, India  
**VK Dadhwal**, Director- National Remote Sensing Centre (NRSC) , Hyderabad  
**BP Yadav**, Deputy Director General, India Meteorological Department, New Delhi, India  
**V Thiruppugazh**, Joint Secretary-NDMA, New Delhi, India  
**Anand Patwardhan**, University of Maryland, USA  
**Joanne Bayer**, Director- Risk and Vulnerability, IIASA, Austria  
**Hirokazu Tatano**, DPRI, Kyoto University (Disaster reduction and risk governance), Japan
- Questions and discussions
- 01.00 – 2.00 PM : Lunch Break

02.00 – 3.30 PM : Parallel Session One

AUDITORIUM Natural and Technological Hazards: Forecasting and Early Warning Systems	TAGORE Disaster Preparedness: Anticipating and minimizing impacts	BHABHA Mainstreaming DRR and Role of Different Stakeholders	MIRZA GHALIB Growth Environment and Disaster	AMIR KHUSRU Education and Communication Strategy	TANSEN Disaster Preparedness: Anticipating and minimizing impacts
<p>SESSION -A <b>Hydrological Hazards</b></p> <p>Chair: <b>Muthiah Perumal-IIT Roorkee</b></p>	<p>SESSION-B <b>Critical Infrastructure for Resilient Community</b></p> <p>Chair: <b>Siddhartha Ghosh-IIT Mumbai,India</b> Co-Chair: <b>Max Didier-ETH Zurich, Switzerland</b></p>	<p>SESSION -C <b>Building Blocks for Main streaming DRR</b></p> <p>Chair: <b>G Padmanabhan, Senior Emergency Analyst, UNDP, New Delhi</b></p>	<p>SESSION-D <b>Protecting Children From Disaster Risks</b></p> <p>Chair: <b>Kamal Kishore-National Disaster Management Authority, New Delhi</b></p>	<p>SESSION -E <b>Are We Really Integrated at Integrated Disaster Risk Management (IDRiM)?: Can We, Should We, Shall We, and How?</b></p> <p>Chair: <b>Tomohide Atsumi-Osaka University, Japan</b></p>	<p>SESSION-F <b>Framework for Natural and Technological Risk Management From Risk to Multi-risk Governance in Na-Tech Risk Management</b> Subtitle: <b>Co-production of Knowledge Between Science and Practice</b></p> <p>Chair: <b>Nadejda Komendantova- IIASA - International Institute for Applied Systems Analysis, Austria</b></p>
<ol style="list-style-type: none"> <li>1. Discharge Estimation Techniques Only Using Stage Data - <b>Muthiah Perumal</b> and Nityanand Rai</li> <li>2. Flood Estimate for Dam Break Scenario of Phuktal Landslide Dam - <b>OP Gupta</b> and Nitya Rai</li> <li>3. Hydrological and Hydrodynamic Assessment of Kedarnath Flood of June 2013 - <b>Nitya Rai</b></li> <li>4. Rainfall Runoff Based Flood Forecasting in Jhelum Basin Using Quantitative Precipitation Forecast -A Mathematical Model Approach - <b>Ritesh Khattar</b></li> <li>5. .India's Dam Safety Concerns and Preparedness for Dam Related Emergencies - <b>Ravi Pillai</b></li> <li>6. Managing the Phuktal River Crisis- A Disaster Averted in the High Himalayas - <b>Prasanna Ramaswamy, G</b></li> </ol>	<ol style="list-style-type: none"> <li>1. Seismic Resilience of a Community and Its Critical Infrastructure: A Review – <b>Siddhartha Ghosh</b> and <b>Max Didier</b></li> <li>2. Seismic Reliability Assessment of Highway Bridge Transportation Networks- <b>Jayadipta Ghosh</b></li> <li>3. Emergency Operation Center (EoC) -Design, Operation and Management-<b>Roop Dave</b></li> <li>4. Mitigating Water-Related Disasters and Improving Livelihoods Through Innovative Subsurface Solutions- <b>Paul Pavelic</b> and <b>Bharat Sharma</b></li> <li>5. Evaluation of the Vulnerability of Infrastructure- <b>Chisato Asahi</b> and <b>Kiyoko Hagira</b></li> <li>6. An Economic Impact Analysis of a Disaster on Urban Transportation Network -For Better Management and Maintenance Policy - <b>Satoshi Tsuchiya</b>, Keishi Tanimoto and Hirokazu Tatano</li> </ol>	<ol style="list-style-type: none"> <li>1. Review of Mainstreaming DRR in National Flagship Programs by <b>Arun Sahdeo</b></li> <li>2. Mainstreaming DRR into local level planning - <b>Anil Gupta</b></li> <li>3. Government of India Initiatives in Mainstreaming Disaster Risk Reduction in Development Planning - <b>Mr. Sarat Panda</b></li> <li>4. Building Resilience of Communities: A Strategy for Mainstreaming Disaster Risk Reduction in Urban Development - <b>Chandrani Bandyopadhyay</b></li> <li>5. Influence of Rainfall Data Length on Meteorological Drought Assessment – <b>Manoj Jain</b>, Vinit Jain and Rajendra Prasad Pandey</li> <li>6. Disaster Resilient Rural Housing - lessons from Systems Thinking – <b>Mona Chabra Anand</b></li> <li>7. Post Disaster Resilient House Construction – <b>Praveen Kumar Pawar</b></li> </ol>	<ol style="list-style-type: none"> <li>1. Child-centred disaster risk reduction (DRR) – <b>Kamal Kishore</b></li> <li>2. Child Centred DRR and Climate Change Adaptation through Environmental Education – <b>Murali Kunduru</b></li> <li>3. Child Centred Resilience is a paradox and an opportunity! - <b>Ray Kancharla</b></li> <li>4. Child-Centred DRR – A Global Perspective - <b>Antony Spalton</b></li> <li>1. Child Centered Disaster Risk Reduction Integrating with Climate Smart Interventions in Coastal Andhra Pradesh- <b>Meda Prasad</b></li> <li>5. Children's Perspective in DRR to be presented by School Children</li> </ol>	<ol style="list-style-type: none"> <li>1. What Does Integrated DRM Mean?: From the DRR Planning Perspective : <b>Hirokazu Tatano</b></li> <li>2. Rethinking of "data" in disaster risk communication - <b>Takumi Miyamoto</b></li> <li>3. Indeterminacy of Recovery Process of Economy of Affected Regions Within the Compass of Economic Analyses: Needs for Complementary Approach - <b>Muneta Yokomatsu</b></li> <li>4. Challenges and opportunities for Roadmap of disaster risk reduction in Bihar Region with Sustainable growth - <b>Dukhi Sah</b></li> <li>5. Urbanization and Natural Disaster Risk <b>Vineet Kumar</b> and Vipin KS</li> <li>6. Considering Disaster Reduction, Recovery and Reconstruction Through Cooperation Among Local Governments in Japan - <b>Ryosuke Aota</b></li> </ol>	<ol style="list-style-type: none"> <li>1. Mainstreaming Multi-Risk Governance in Risk Policies- <b>Anna Scolobig</b>, N Komendantova and Arnaud Mignan</li> <li>2. Risk Governance and Decision Making for Complex Natural and Technological Disasters – <b>Ana Maria</b>, Cruz Naranjo</li> <li>3. Climate Change, Disasters and Local Strategies: Towards a Multilevel Risk Governance Approach- <b>Raghu Chaliganti</b></li> </ol>

3.30 – 4.00 PM : Tea Break

AUDITORIUM Natural and Technological Hazards: Forecasting and Early Warning Systems	TAGORE Disaster Preparedness: Anticipating and minimizing impacts	BHABHA Mainstreaming DRR and Role of Different Stakeholders	MIRZA GHALIB Growth Environment and Disaster	AMIR KHUSRU Education and Communication Strategy	TANSEN Disaster Preparedness: Anticipating and minimizing impacts
<p>SESSION -G <b>Urban Flooding and Extreme Flood Events</b></p> <p>Chair: Subimal Ghosh-IT Mumbai</p>	<p>SESSION-H <b>Strengthening Local Capacities for Reduction of Joint Natural and Technological Disaster Risks</b></p> <p>Chair: Ana Maria Cruz- Disaster Prevention Research Institute, Kyoto University, Japan and Elisabeth Krausmann</p>	<p>SESSION -I <b>Role of Civil Society</b></p> <p>Chair: Zubin Zaman-Oxfam India</p>	<p>SESSION-J <b>Economics Analyses of Disaster and Growth: Toward Sustainable Resource Management</b></p> <p>Chair: Muneta Yokometsu-Kyoto University, Japan</p>	<p>SESSION -K <b>Process Technology for Community Building</b></p> <p>Chair : Eizo Hideshima-Nagoya Institute of Technology, Japan</p>	<p>SESSION-L <b>Climate and Disaster Resilient Smart Cities</b></p> <p>Chair: Shailesh Nayak:Chair- Ministry of Earth Sciences, India</p> <p>Co-Chair: Dr. Jyoti K Parikh- Integrated Research and Action for Development IRADA</p>
<ol style="list-style-type: none"> <li>Monitoring and Forecasting of Hydro-climatic Extremes - <b>Subimal Ghosh</b></li> <li>Urban Flood Forecasting System for Mumbai City: Major Challenges and Opportunities for Research – <b>Subhankar Karmakar</b></li> <li>Modelling Flood Impact in Surat, India- <b>Umamaheshwaran Rajasekar</b> and Jorge Ramirez</li> <li>Anticipating Emerging Flood Risks- <b>Nachtnebel H.P</b> and C. Neuhold</li> <li>Study on Spatial Flood Risk Assessment Considering Multiple Flood Sources - <b>Xinyu Jiang</b></li> <li>Constraints for Probabilistic Hazard Assessment for Indian Region – <b>Ravikant Singh</b>, Hari Srivastava and Rajesh Prakash</li> </ol>	<ol style="list-style-type: none"> <li>Contribution to Resilience of a Territory exposed to Natech Risks- ResTO- TerRiN Project - <b>Ana Maria Cruz</b></li> <li>Development of a Natech Risk Assessment Tool for Local and Regional Natech Risk Assessment - Serkan Girgin and Elisabeth Krausmann</li> <li>Addressing Impacts of Natural Hazards on Electricity Transmission Networks - <b>Nadejda Komendatova</b> and Cyril Leroy</li> <li>Natural Disaster causing Emergency from Cross Country Pipelines – <b>VB Pant</b> and Sutapa Bhattacharya</li> <li>Statistical Inference of Functional Fragility Curves and Its Application to Production Capacity Loss Estimation during Disaster- <b>Yoshio Kajitani</b> and Kazuyoshi Nakano</li> <li>Eco-industrial Cluster Planning for Disaster Risk Reduction- <b>Mohamadzahir Shaikh</b></li> </ol>	<ol style="list-style-type: none"> <li>Role of Civil Society in Mainstreaming DRR - <b>Zubin Zaman</b></li> <li>Mainstreaming DRR in MGNREGS – Experiences from Subarnarekha flood plains in Balasore, Odisha- <b>Sujan Chandra Das</b></li> <li>Short term memory and Long term needs! - <b>Prerna</b></li> <li>Field Innovations in DRR and Its Impact on Dalits and Tribals of Subarnrekha Flood Plains in Odisha - <b>Animesh Prakash</b></li> <li>Role of Civil Society in Enhancing Effectiveness of Risk Management- <b>Puthumai A Nazarene</b></li> <li>The Art of Surviving a Natural Disaster: The Case of Miranda Village in Davao Del Sur, Philippines - <b>Maribel Lanticse</b></li> <li>Role of Media for Resilience From Flood Disaster: a Case Study of August 2008 Koshi Flood in Nepal - <b>Kumud Kafle</b></li> </ol>	<ol style="list-style-type: none"> <li>Economic Impact of Drought on Balanced Development: A Multi-Sector and Multi-Region Model of Pakistan: <b>Muneta Yokometsu</b>, Yushi Suzuki; Hiroaki Ishiwata, Yohei Sawada, Asif Naseer, Muhammad Cheema, Toshio Koike</li> <li>Inequality, Conflict, and Disaster Management : <b>Manas Chatterji</b></li> <li>A Risk Layer Approach for Managing Extreme Risk on the Global Scale- <b>Stefan Hochrainer</b></li> <li>Climate Variability, Natural Disasters and Sectoral Economic Growth: Evidence from Australia – <b>Muhammad Habibur Rahman</b>, Yiqun Chen, Mehmet Ulubasoglu, Prasad Bhattacharya, Abbas Rajabifard, Mohsen Kalantari, and Katie Elizabeth Potts</li> <li>The European Union Solidarity Fund: A Model for Regional Solidarity-based Risk Pools? - <b>JoAnne Linnerooth-Bayer</b>; Anna Lorant; Stefan Hochrainer-Stigler Production Capacity Change in Industrial Sectors of Hachinohe City Due to the 2011 Tohoku Tsunami- <b>Kentaro Kumagai</b>, Rafael Aránguiz and Kenji Ono</li> </ol>	<ol style="list-style-type: none"> <li>Augmentation of Public-Private Partnership for Both Normal and Disaster Situations - <b>Eizo Hideshima</b>, Nemat Mohammadi and Yoshio Noguchi</li> <li>Improving the Yonmenkaigi System Method (YSM) for Setting Up a Collaborative Communication Forum and Making a Small Change Together for Disaster Reduction- <b>Norio Okada</b></li> <li>The Direction of a Community to Maintain and Increase the Disaster Control Capability – <b>Toru Fujisawa</b></li> <li>Implementation of Participatory Methods for Disaster Recovery as Community Building of a Local Community in Korea- <b>Jong-il Na</b></li> <li>The Process of Participatory Flood Risk Mapping in a Slum Community, Mumbai – <b>Subho Samaddar</b></li> <li>Disaster Knowledge Creation Process Observed in Collaborative Translational Action of Narratives in a Affected Area – <b>Yoko Matsuda</b></li> </ol>	<ol style="list-style-type: none"> <li>Mainstreaming Weather, Climate, Environmental and Geological data/ Information/Knowledge in Planning, Governance and Disaster Risk Reduction of Smart Cities- <b>Ajit Tyagi</b></li> <li>Mainstreaming Disaster Resilience for Sustainable Development of Cities in India: Case study of Guwahati and Shillong - <b>Manoj Kumar Singh</b>, Mani Dhingra, Asha Kaushik , Jyoti K Parikh, Rohit Maghotra</li> <li>Capacity Building for Facing Challenges Due to Earthquake Disaster in Bihar State of India – <b>Nirmal Kumar</b></li> <li>Ecological Stress Framework for Smart City Planning- <b>Ajith Kaliyath</b> and M. Satish Kumar</li> <li>Toilet Waste Management in Shelters- <b>Tomoko Okayama</b> and Hideyuki Ito</li> </ol>

17:30-18:30 IDRIIM Society General Assembly meeting (Bhabha Hall) networking and poster session

18.30 – 19.00 Keynote Speech by Prof. Norio Okada, President, IDRIIM Society, Japan (Main Auditorium)

19.30 onwards Conference Diner (Scope Complex, new Delhi)

## DAY 2 Thursday 29th October, 2015

09:00 – 10:30

**Special Session on BRICS: Vision of BRICS in the context of Sendai Framework 2015-2030**

**Chair : KG Ramesh, Adviser - Ministry of Earth Sciences**

Panelists: **Oswaldo Luiz Leal de Moraes**, Director of the National Center for Monitoring and Early Warning of Natural Disasters –CEMADEN; and/or **José Antonio Marengo Orsini**, National Center for Monitoring and Early Warning of Natural Disasters –CEMADEN; and/or **Jianjun WU**, Professor, Academy of Disaster Reduction and Emergency Management, Beijing Normal University, China

**Mannas Chatterji**, Professor, Binhampton University and State University of New York

10.30 – 11.30 : Poster Session and Tea Break – Poster evaluations

11.30 – 01.00: Parallel Session Three

<b>AUDITORIUM</b> Natural and Technological Hazards: Forecasting and Early Warning Systems	<b>TAGORE</b> Disaster Preparedness: Anticipating and minimizing impacts	<b>BHABHA</b> Mainstreaming DRR and Role of Different Stakeholders	<b>MIRZA GHALIB</b> Growth Environment and Disaster	<b>AMIR KHUSRU</b> Natural and Technological Hazards: Forecasting and Early Warning Systems	<b>TANSEN</b> Disaster Preparedness: Anticipating and minimizing impacts
SESSION -M <b>Session-m Earthquake and Landslide Hazard Management)</b>  <b>Chair: BK Maheshwari –IIT Roorkee</b> <b>Co-Chair : Sushil Gupta, RMSI, New Delhi</b>	SESSION-N <b>Processes and Outcomes of Successful Participatory Disaster Risk Management</b>  <b>Chair: D. Parthasarathy - Disaster Prevention Research Institute, Kyoto University, Japan</b>	SESSION -O <b>Role of Education Knowledge and Training in Mainstreaming DRR</b>  <b>Chair: Nadejda Komendatova IIASA - International Institute for Applied Systems Analysis, Austria</b>	SESSION-P <b>Water and Adaptation to Climate Change</b>  <b>Chair: Garry de la Pomerai- UNESCO GTFBE, UAE</b>	SESSION -Q <b>Early warning systems for Oceanic Hazards: Tsunamis, Storm Surges, High Waves and Sea Level Rise</b>  <b>Chair: Satheesh Sheno- Indian National Centre for Ocean Information Services, Hyderabad</b>	SESSION-R <b>Earthquake Hazard Assessment</b>  <b>Chair: KVL Subramanian- IIT Hyderabad</b>
<ol style="list-style-type: none"> <li>Mitigation of Landslides in Uttarakh and through Seismic Slope Stability Analysis - <b>B.K. Maheshwari</b> and Amir Kaynia</li> <li>Comparison of Different Methods for Evaluating the Liquefaction Potential of Roorkee Region - <b>Pradeep Muley, D. K. Paul</b> and Bal Krishna Maheshwari</li> <li>Seismic Slope Stability Analysis Using DEM and Displacement Models - <b>Aniruddha Bhaduri</b> and BK Maheshwari</li> <li>Research on Earthquake-induced Landslides Hazard Zonation in Sichuan - <b>Jifu Liu</b></li> <li>Disaster Risk Information for Land Slide – <b>Michinori Hatayama</b></li> <li>Ground Improvement Using Stone Columns for Disaster Mitigation - <b>Saurabh Verma</b> and BK Maheshwari</li> <li>Seismic Hazards and Seismic Design of Dams – <b>Sanjay Sibal</b></li> <li>Role of Local Site Conditions in Disaster Mitigation-<b>Ninad Shinde</b> and Bal Krishna Maheshwari</li> </ol>	<ol style="list-style-type: none"> <li>Informality and Decentralization in Disaster Risk Mitigation: Challenges and Possibilities – <b>D. Parthasarathy</b></li> <li>Prioritization in a Public Participation Process: Case Study of KUSP, Kolkata : <b>Uttam Kumar Roy</b></li> <li>Risk Mapping: An Effective Tool and Priority for Public Participation in Community Risk Management in China-<b>Wei Xu</b></li> <li>Social enterprise on Sky Water Harvesting for Solving Drinking Water Crisis in Bangladesh : <b>Makoto Murase</b></li> <li>Emerging Risks Due to Rising Ship Movement in Arctic Areas: Strategic Analysis Using Drama Theory - <b>Suman Ranjan Sensarma</b> and Atanu Sarkar</li> <li>A review of traditional knowledge systems based indicators for making weather and climate related ex-ante agricultural decisions by farmers - <b>Upasna Sharma</b></li> <li>What Constitutes an Effective Community Participation in Disaster Risk Management? Voices from the Fields of Ghana – <b>Subhajyoti Samaddar</b> and Hirohiko Ishikawa</li> </ol>	<ol style="list-style-type: none"> <li>Impacts of risks perceptions on decision-making: case studies of the 1995 Kobe, the 2004 Sumatra-Andaman and the 2011 Tohoku earthquakes- <b>Nadejda Komendatova</b> and Junko Mochizuki</li> <li>National Capacity Building Strategy for DRR in India - Study Outcome – <b>AKJ Sheno</b>, Priyank Jindal, Priyanka Chowdhary, Rani Dhakad</li> <li>Disaster Risk Reduction Education: A Roadmap -<b>Aruna Gajbhiye</b></li> <li>Tools Development an Outcome of Capacity Building Training Programmes - <b>Hemant Vinayak</b>, Rajnish Shrivastava</li> <li>Cultures of Catastrophes- <b>Lena Bledau</b> and Martin Voss</li> <li>Harnessing the African Higher Education Institutions in Advancing Disaster Risk Reduction: A Capacity Building Model for Post-2015- <b>Djillali Benouar</b> and Ailsa Holloway</li> <li>Effects of the Practical Tsunami Evacuation Drill- <b>Kiyomine Terumoto</b></li> </ol>	<ol style="list-style-type: none"> <li>Water Resource Management. Earths Nemesis : <b>Garry de la Pomerai</b></li> <li>Climate Change and Vulnerability: Micro Level Case Study From Rural Landscape Located Amidst of Eastern and Western Ghats, Karnataka, India- <b>Sunil Nautiyal</b> and MS Umesh Babu</li> <li>Hydro-sociological Perspective of Disaster Management- <b>Vikas Goyal</b></li> <li>Vulnerability of Agricultural Sector Towards Extreme Variability: A Case of Gujarat- <b>Shukla Shital</b></li> <li>Regional Characteristics and Current Status of Drought Management in India- <b>Rajendra Prasad Pandey</b></li> <li>Vulnerability of Small and Marginal Farmers to Climate Variability-<b>Meeta Goel</b>, Anand Patwardhan</li> <li>Technological Interventions for Food Security Under Climate Change -<b>PBS Bhadoria</b></li> </ol>	<ol style="list-style-type: none"> <li>Indian Tsunami Early Warning Centre, INCOIS – Tsunami early warnings- <b>T. Srinivasa Kumar</b></li> <li>Prediction of High Waves at the coast- <b>T. Balakrishnan Nair</b></li> <li>Coastal Risk Assessment and Implications of Future Sea-level Rise along Pondicherry Coast using Geospatial Techniques <b>RS Mahendra, PC Mohanty, H Shivakumar, Satej Pandithrao</b> and T Srinivasa Kumar</li> <li>Lessons from 1945 tsunami along the Makkaran coast - <b>Revathy Parameswaran</b>, Kusala Rajendran, CP Rajendran</li> <li>Real time storm surge and inundation extent forecasting system at ESSO-INCOIS, Hyderabad - <b>PLN Murty</b>, T Srinivasa Kumar, J Padmanabham, M Krishna Kumar, P Bharadwaj and SSC Sheno</li> <li>Paleotsunamies on the Indian coast – A review - <b>S Srinivasulu</b> CP Rajendran, Kusala Rajendran, J N Malik, Nilesh Bhatt, K Singhvi, T Srinivasa Kumar, SSC Sheno</li> </ol>	<ol style="list-style-type: none"> <li>Seismic Hazard, Vulnerability and Risk of Kolkata, India Implicating Potential Economic Loss Due to a Probabilistic Scenario –<b>Sankar Nath</b>, Soumya Maiti, Manik Adhikari and Nishtha Srivastava</li> <li>Site Amplification of Denpasar City, Bali, Indonesia- <b>Januar Setiawan</b> and Marjiyono Marjiyono</li> <li>Site Response Studies Using Micro-tremor Data in Srinagar- Garhwal Himalaya- <b>Pradeep Chauhan</b></li> <li>A Scenario-Based Assessment of Earthquake Related Hazards - <b>Antonella Peresan</b> and Giuliano Panza</li> <li>Seismic Assessment of Masonry Construction in Himalayan Region- <b>Jaya Prakash Vemuri</b> and KVL Subramanian</li> </ol>

01.00 – 2.00 : Lunch Break

2.00 – 3.30 PM : Parallel Session Four : Young Scientists

AUDITORIUM	TAGORE	BHABHA	MIRZA GHALIB	AMIR KHUSRU	TANSEN
<p><b>Wind, Flood and Climate change</b></p> <p><b>Chair: Subhajyoti Samaddar, Kyoto University, Japan</b></p>	<p><b>Seismic Risk Assessment and Preparedness</b></p> <p><b>Chair: Abha Mishra, UNDP, New Delhi</b></p>	<p><b>Method and Technology Frontiers</b></p> <p><b>Chair: Stefan Hochrainer, IIASA, Austria</b></p>	<p><b>Early Warning and Capacity Building</b></p> <p><b>Chair: Upasna Sharma, IIT Delhi India</b></p>	<p><b>Network and Community</b></p> <p><b>Chair: Junko Mochizuki IIASA, Austria</b></p>	<p><b>Vulnerability and Economic Analyses</b></p> <p><b>Chair: Muneta Yokomatsu, Kyoto University, Japan</b></p>
1. Numerical Investigation of Pedestrian Wind Conditions Around Tall Buildings - Hemant Mittal	1. Seismic Risk Assessment of Bridges as Part of a Transportation Network- Kashif Inqalabi, Rajeev Garg	1. Earthquake Protection by Rubber-Soil Mixtures for Developing Countries-Devarahalli Manohar and P Anbazhagan	1. Evaluation and Enhancement of Communities' Preparedness to Cyclones Using Peoples' Perception- Harpalsinh Chudasama ,Anand and Pramod Singh	1. Mainstreaming Disaster Risk Reduction in Tourism Management- Kritika Karki	1. Reinvigoration as an Approach for Vulnerability Reduction of Urban Core A Case Study of Bhopal, India - Sameer Deshkar, Apurva Sharma and Shruthi Dakey
2. Statistical Downscaling for Forecasting Precipitation Extremes Over the Urban Region in Mumbai - Hiteshri Shastri, Subimal Ghosh and Subhankar Karmakar	2. Representative Seismic Hazard Map of Peninsular India Using Subsurface Fault Rupture-P Anbazhagan and Ketan Bajaj	2. Dynamic Response of an RC Frame Building Base Isolated Using Geotextiles-Gagan Singh and Satyabrata Choudhury	2. Real Time Landslide Monitoring of Tangni Landslide, Chamoli, Uttarakhand-Pratik Chaturvedi, Sumit Sharma, Sant Mishra and Sunil Dhar	2. Will 'Pay-it-Forward' Network Trigger Inter-Survivor Support? -H Daimon ,Tomohide Atsumi and Young-Jun Lee	2. Flood Inundation Mapping and Vulnerability Assessment of a Small Part of Lower Mahanadi Delta Region- Anurag Aeron and Rahul Garg
3. How Often Will a 1 in 1000 Year Flood Occur? the 2014 Karnali Flood in West Nepal Sumit Dugar, Lalit Dashora and Sarah Brown	3. Probabilistic Seismic Hazard Assessment of NW and Central Himalayas Using Kernel Estimation Method-Madan Mohan Rout, Josodhir Das and Kamal Kama	3. Picture-Rescue (Picturesque) Movement for Disaster Recovery-Ryohei Miyamae and Tomohide Atsum	3. Analysis of Various Earthquake Early Warning Algorithms-Pankaj Kumar	3. The Essence and Importance of Commitment in Humanitarian Logistics in Disaster Management- Repaul Kanji, Rajat Agrawal Agrawal and Purvishkumar Patel	3. Assessing Financial Vulnerability and Risk of Trade of Maritime Partnership Countries Along the 21st Century Maritime Silk Road- Jiayi Fang, Yongchang Meng and Peijun Shi
4. Global Warming: Indian Estimates of Greenhouse Gas Emission From Different Sectors - Himani Maheshwari	4. Seismic Vulnerability Study of School Buildings At Silchar Town- Ramachandra Gollar and Satyabrata Choudhury	4. Design and Simulation of FPGA Based Digital System for Lightning Detection Sensor Node-Nikhil Gaikwad and Yogesh Sherki ,Ajay Khandare	4. Simulation for Community Discussing Alternatives of Tsunami Evacuation Under Mixed Traffic of Pedestrians and Cars- Fuko Nakai	4. Structuration of Climate Change and Disaster Risk Reduction: Implication for Strategic Action of Supply Chain Management - Minchul Sohn	4. Multi-Sector Open-Economy Model of Drought and International Risk Sharing - Hiroaki Ishiwata ,Muneta Yokomatsu ,Yohei Sawada and Toshio Koike and Muhammad Cheema
5. Return Period Tropical Cyclonic Wind Hazard Assessment in the WNP Based on the Historical Wind Field Simulation - Chenyan Tan, Weihua Fang and Wei Lin	5. Education for Disaster Prevention with Knotworking- Yosuke Inui and Tomohide Atsumi	5. Multi Hazard Urban Risk Assessment- Methodological Framework-Neha Bansal, Mahua Mukherjee and Ajay Gairola	5. The Effect of Training Program for Strengthening Local Communities in Natural Disasters (MOHEB Plan) on Improvement of Life Skills Among the Victims of Unexpected Events-Hossein Khakshoor and Omalbanen Esmatpanah	5. The Role of the Civil Network for Disaster Relief in the Great East Japan Earthquake - Sachiko Ohno	5. Livelihood Vulnerability to Climate Related Disasters in Indian Sundarbans: A Microlevel Analysis- Subhakarta Mohapatra and Ranajit Jana and Anil Gupta
6. Climate Change: A Cause for the Recurring Cyclones - Pratyasha Patnaik	6. Development of Earthquake Early Warning System-Bhanu Chamoli, Ashok Kumar ,Ajay Gairola, Ravi Jakka, Himanshu Mittal and Amit Srivastava	6. An Investigation on the Web Articles "Shinsai - No - Zenjitsu" About Survivors' Experiences in Pre-Disaster Period-Takashi Sugiyama and Katsuya Yamori	6. The Study on Coping Capacity Building for Disaster Preparedness Focus on Self-Help and Mutual Aid-Yoshiro Aduma and Sachiko Ohno	6. Disasters as Extraordinary Situations and Social Network Formation: Does "A Paradise Built in Hell" Emerge?- Hitomu Kotani and Muneta Yokomatsu	6. Energy Consumption in Mazandaran, Iran and the Climate Change- Narjes Zargari Kordkolaei and Iran Ghazi
7. Impacts of Climate Change on the Growth Periods of Double-season Paddy Rice in Hunan Province, China Since 1990 - Yao Wang, Tao YE and Miluo YI	7. Impact of Non-Poissonian Approach in Probabilistic Seismic Hazard Analysis-Ranjit Das, Gyanendra and Hans Wason	7. Green Computing- The Need of Hour-Ritu Kapur	7. Trial Methods of Understanding the Experiences of Disaster: Unique Use about Writing Captions on Disaster Photographs – Junko Takamori	7. Uttarakhand Disaster: Natural Tragedy or Failure of Development Agenda- Yogesh Jadhao	7. Probabilistic Seismic Hazard, Vulnerability, Risk and Loss Assessment of Darjeeling-Sikkim Himalaya on GIS Platform- Manik Adhikari, Sankar Nath and Chitralekha Ghatak

3.30-4.00 PM: Tea Break

4.00 – 5.30 PM : Parallel Session Five

AUDITORIUM Natural and Technological Hazards: Forecasting and Early Warning Systems	TAGORE Disaster Preparedness: Anticipating and minimizing impacts	BHABHA Post Disaster Recovery and Management	MIRZA GHALIB Growth Environment and Disaster	AMIR KHUSRU Education and Communication Strategy	TANSEN Natural and Technological Hazards: Forecasting and Early Warning Systems
<p>SESSION-S <b>Mitigating Natural Disaster</b></p> <p>Chair: <b>Surendra Nadh Somala, IIT Hyderabad</b></p>	<p>SESSION-T <b>Multi Stakeholder Approach to Disaster Preparedness</b></p> <p>Chair : <b>Sandeep Rai Rathore- National Disaster Response Force, New Delhi</b></p>	<p>Session – u <b>Survivors Centered Approach for Long-term Recovery From the 3.11 East Japan Earthquake and sunami: Collaborative Practice and Action Research with Disaster Volunteers for 5 Years</b></p> <p>Chair- <b>Tomohide Atsumi- Osaka University, Japan</b></p>	<p>SESSION-V <b>Ecosystem Approach to Understand and Manage Disasters</b></p> <p>Chair: <b>Sami Tornikoski- World Wide Fund, Bhutan</b></p>	<p>SESSION – W <b>Building Resilience by Addressing Sexual and Reproductive Health needs</b></p> <p>Chair: <b>Anjali Sen- International Planned Parenthood Federation, New Delhi</b></p>	<p>SESSION-X <b>Achieving Resilience – the Path and Goal</b></p> <p>Chair: <b>Wei Liu- International Institute for Applied Systems Analysis, Austria</b></p>
<ol style="list-style-type: none"> <li>Application of Anti-aliasing Filter in Seismic Source Imaging-- <b>Surendra Nadh Somala</b></li> <li>Changing Perspective Behind Occurrences of Damaging Earthquakes: Issues and Challenges for Studies in Hazard and Risk- <b>Prosanta Kumar Khan</b></li> <li>New approaches for seismic hazard and risk studies in the Indian subcontinent - <b>Imtiyaz A Parvez</b></li> <li>Evaluation of Seismic Hazard in Indo Gangetic Plains – <b>D Srinagesh</b></li> <li>India plate motion and deformation - <b>Vineet K Gahalaut</b></li> <li>Modeling of site response, earthquake source parameters and ground-motion attenuation relation in the Kachchh seismic zone, Gujarat, India, from strong-motion data – <b>Prantik Mandal</b></li> <li>Comparison of Seismic Performance of Brick Masonry RC Infilled Frame with Opening and Strengthening Structural Element- <b>Sattar Bhargavi</b> and Pradeep Kumar Ramancharla</li> <li>C-FAST: A tool to evaluate current and future flood adaptation solutions- <b>Mahesh Prakash</b>, James Hilton, Raymond Cohen, Yunze Wang and Lachlan Hetheron</li> </ol>	<ol style="list-style-type: none"> <li>Preparedness for Effective Response- <b>Sandeep Rai Rathore</b></li> <li>Response by NDRF during Emergency – <b>SS Guleria</b></li> <li>Rapid Visual Screening (RVS) of Buildings in East Delhi Against Earthquake -<b>Chandan Ghosh</b></li> <li>Role of Fire Services in Emergency Response- <b>DK Shami</b></li> <li>Contribution of Indian Civil Defence in building - Disaster Resilient Communities – <b>GS Saini</b></li> <li>Public-Private Partnership Roles in Disaster Risk Reduction and Community Resilience in Malaysia - <b>Nafesa Ismail</b> and Rajib Shaw</li> <li>Corporate Initiatives in Disaster Risk Reduction: An Approach to Strengthening Resilience of Communities Through CSR- <b>John Paulraj</b> and Md Wahid Noor</li> </ol>	<ol style="list-style-type: none"> <li>The Role of Volunteer Network in Long-Term Disaster Recovery - <b>Motohiko Nagata</b></li> <li>Paving the Salt Road with Outsiders: Recovery through Local History and Culture with Disaster Volunteers : <b>Toshikazu Kangyu</b></li> <li>Altruistic Sentiment and Volunteering : <b>Young-Jun Lee</b> and Hiroaki Daimo</li> <li>Collective Tools for Disaster Recovery: Recalling Collective Pride and Memory through Community Radio and “Picturescue” - <b>Tomohide Atsumi</b>, Yuko Ishizuka, and Ryohei Miyamae</li> <li>Disaster Recovery : Building Back Better for a Safer World : <b>Sarbjit Singh Sahota</b></li> <li>Possibility of Unusefulness in Revitalization- <b>Hironori Yamaguchi</b></li> </ol>	<ol style="list-style-type: none"> <li>Ecosystems, biodiversity and disasters : <b>Sami Tornikoski</b></li> <li>Natural Infrastructure: A Strategic Approach to Reducing Flood Related Disasters- <b>Paul Sayers</b></li> <li>Vulnerability of Himalayan Ecosystems and Impacts on Communities and Ecosystems- <b>Pankaj Chandan</b>,Urvana Menon, Anupam Sarmah, Kamal Medhi, Pranab Jyoti Bora and Priya Shrestha</li> <li>Land-use Planning and DRR- <b>Ugan Manandhar</b>, Judy Oglethorpe, Santosh Mani Nepal, Gokarna Jung Thapa</li> <li>Role of Tiger Reserves in Mitigating Natural Disasters – <b>Madhu Verma</b> and Dhaval Negandhi</li> <li>Reducing Drought Related Risks to Livelihoods Based on People’s Perception – <b>Pramod Singh</b></li> </ol>	<ol style="list-style-type: none"> <li>Why SRH is important in crises and post situations? - <b>Anjali Sen</b></li> <li>IAWG Global Evaluation 2012-2014 of SRH in Crises - Angela Dawson</li> <li>Adolescent Reproductive Health – Nepal Earthquake Response Case Study - <b>Nimisha Goswami</b></li> <li>Placing Women And Girls at The Center of Humanitarian Action in the Asia Pacific Region - <b>Priya Marwah</b></li> <li>Minimum Initial Service Package for Reproductive Health and Sprint - <b>Aditi Ghosh</b></li> </ol>	<ol style="list-style-type: none"> <li>Diagnosing, Assessing and Enhancing Disaster Resilience – From Theory to Practice - <b>Wei Liu</b> and Colin McQuistan</li> <li>A Methodological Framework for Effectively Increasing Disaster Resilience - <b>Adriana Keating</b>, Wei Liu, Piotr Magnuzewski, Junko Mochizuki, and Reinhard Mechler</li> <li>A Systems Approach to Diagnose and Measure Community Flood Resilience– <b>Wei Liu</b>, <b>Sumit Dugar</b> and Colin McQuistan</li> <li>Improving flood resilience in Nepal though forecast based early warning – <b>Paul Smith</b>, Sarah Brown and Sumit Dugar</li> <li>Blurring boundaries for seeking desirable and feasible solutions - Use of social learning process in a context of Brahmaputra basin in India-<b>Navarun Varma</b></li> <li>The Zurich Global Community Flood Resilience Alliance – An Innovative Cross-sector Partnership for Enhancing Disaster Resilience –<b>Colin McQuisan</b></li> </ol>



- 1800-19:30      **Special Panel Session on Nepal: Beyond Disasters: Building Resilient Communities in Nepal**  
**Moderator : Sara Ahmad and Mihir Bhatt**  
Brief opening remarks from panel chair / moderator (tbc)
1. An overview of the Nepal Earthquake - **Prof Mohsen Ashtiany**
  2. The role of ICTs in building response communities and assessing damage - **John Mathews, ISRO**
  3. The rural context (Pokhara) - impact on small farmers and opportunities for rebuilding livelihoods - **Achyut Luitel, ED Practical Action**
  4. Resilience in the urban environment (Kathmandu) - **Ajaya Dixit, ISET-Nepal**
  5. Looking ahead - rebuilding institutions, the challenge of governance, partnerships - **Prof Misra, World Bank, Nepal / William Berger, USAID**
  6. Anything other points
- 19:30              Conference dinner (venue TBA)  
Awards Ceremony  
YSS Winners Announcement

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**DAY 3 Friday 30th October, 2015**

- 09:30 – 11:00      **Keynote Lecture Three: Disaster Risk and Megacities**  
**Speaker: Alain Grimard, UN-Habitat, Delhi, India**  
**Chair: Aniello Amendola, (Retired) IIASA, Austria**
- Panel Session Three: Implementation Science for Disaster Risk Reduction: State of the Art and Future Visions**  
**Chair: Takara Kaoru, Kyoto University, Japan**  
**Panelists: Tomohide Atsumi, Osaka University, Japan**  
**Kamal Kishore, Member, National Disaster Management Authority, New Delhi, India**  
**Adam Rose, University of Southern California, USA**  
**Norio Okada, President IDRIM Society and Kwansai Gakuin University, Japan**  
**Andrew Collins, Northumbria University, UK**  
**Aniello Amendola, International Institute for Applied Systems Analysis, Austria**  
**Mohsen Ashtiany, International Institute of Earthquake Engineering and Seismology (IIEES), Iran**
- Questions and discussion
- 11.00 – 11.30 : Tea Break

AUDITORIUM Natural and Technological Hazards: Forecasting and Early Warning Systems	TAGORE Disaster Preparedness: Anticipating and minimizing impacts	BHABHA Post Disaster Recovery and Management	MIRZA GHALIB Growth Environment and Disaster	AMIR KHUSRU Education and Communication Strategy	TANSEN Disaster Preparedness: Anticipating and minimizing impacts
<p>SESSION -Y <b>Effective Seismic Risk Assessment: Data Challenges and Advanced Solutions</b></p> <p>Chair: Mohamed ElGabry- National Research Institute of Astronomy and Geopysics, Egypt and Antonella Peresan</p>	<p>SESSION-Z <b>Recent Initiatives/ Trends in Disaster Management</b></p> <p>Chair: Santosh Kumar- National Institute of Disaster Management, New Delhi</p>	<p>SESSION -AA <b>Challenges and Opportunities of Humanitarian Relief and Logistics Coordination</b></p> <p>Chair : Junko Mochizuki- International Institute for Applied Systems Analysis, Austria</p>	<p>SESSION-BB <b>Appropriate Development Practices as the Route to Disaster Risk Reduction</b></p> <p>Chair: Andrew E. Collins- Northumbria University, United Kingdom</p>	<p>SESSION -CC <b>Disaster Policy and Governance – Challenges</b></p> <p>Chair: Chair: V Thiruppugazh, Joint Secretary-NDMA, New Delhi, India</p>	<p>SESSION-DD <b>Adaptive Strategies and Coping Initiatives</b></p> <p>Chair Mahua Mukherjee, IIT Roorkee</p>
<ol style="list-style-type: none"> <li>1. Seismic Hazard Maps and Real Seismicity: a Comparative Analysis for the Italian Territory - <b>Antonella Peresan</b>, Anastasia Nekrasova, Vladimir Kossobokov and Giuliano Panza</li> <li>2. Earthquake Hazard Assessment for Gujarat State in Western India- <b>BK Rastogi</b></li> <li>3. Micro Seismic Hazard Assessment in Gujarat, Western India- <b>Vasu, Kapil Mohan</b>, B.K. Rastogi</li> <li>4. Need for Pre-Earthquake Risk Assessment of Buildings in Moderate-to-Severe Earthquake Prone Areas in India-<b>Pradeep Kumar Ramancharla</b></li> </ol>	<ol style="list-style-type: none"> <li>1. Initiatives on Enhancing Capacities for Disaster Risk Reduction -<b>Surya Prakash</b></li> <li>2. Inclusion of DRR Measures In Development Planning, by <b>Abha Mishra</b></li> <li>3. Recovery Management- A Tool for Community Resilience - <b>Garima Aggarwal</b></li> <li>4. The Global Flood Awareness System – <b>Paul Smith, E Zsoter, F Pappenberger, P Salamon, J Thielen - del Pozo, F Hirpa, Z Zajac and P Burek</b></li> <li>5. Drought Analysis Based on Drought Indices in Humid Tropical Regions of India - <b>Surendran U, Simi John and Joseph EJ</b></li> <li>6. Factors that Promote Post Traumatic Growth - <b>Vasantha R. Patri</b></li> <li>7. Emerging Disaster Risk Reduction Challenges and Need for Newer Management Models - <b>Chowhan Balaji Singh</b></li> </ol>	<ol style="list-style-type: none"> <li>1. Dealing with Individual Donations in an Aftermath of a Large-Scale Disaster: Logistics Issues and Coordination Among the Involved Sectors : <b>Hideyuki Ito</b>, Muneta Yokomatsu and Wisinee Wisetjindawat</li> <li>2. A SD model for analyzing pre-defined roles in relief distribution - <b>Rubel Das</b> and Makoto Okumura</li> <li>3. Toward the resiliency of humanitarian cooperation: examining the performance of horizontal cooperation among humanitarian organizations using an agent-based modeling (ABM) approach - <b>Junko Mochizuki</b> , Fuminori Toyasaki and Joanna Falagara Sigala</li> <li>4. Post-Disaster Needs Assessment in India- <b>Priyanka Chowdhary</b>, Anandhakumar Karancheri Janarhana Shenoi, <b>Priyank Jindal</b> and Rani Dhakad</li> <li>5. Inculcating Culture of Preparedness for Disaster Management in First Responders, Community and Schools — Indian Experience - <b>BK Khanna</b></li> </ol>	<ol style="list-style-type: none"> <li>1. A Frank Look at Interdependent Development, Disaster Reduction and Global Justice – <b>Andrew Collins</b></li> <li>2. Sustainable Growth and Disaster Management- <b>Manas Chatterji</b></li> <li>3. Disaster Risk Reduction in India: An Assessment of Proposal Under the State Action Plan on Climate Change (SAPCC)- <b>Subir Sen</b></li> <li>4. A Systemic approach to IDRIMResponse Governance: Methodological search for Interface between Top-down and Bottom-up processes- <b>B. Misra</b></li> <li>5. Disaster Risk: Interpretation of two Japanese Episodes - <b>Takara Kaoru</b></li> <li>6. All About the Case' (Studies): Approaches to Music for Risk Reduction- <b>Bob Alexander</b>, Joan Bastide, Charlotte Floors, J. C. Gaillard, Rob Greaney, Ilan Kelman, Marla Petal and Briony Towers</li> </ol>	<ol style="list-style-type: none"> <li>1. SAARC Regional Disaster Management Center - A Conceptual Framework – <b>Roop dave</b></li> <li>2. Exploring Implementation Gaps Between Policy and Practice for Disaster Management in Bangladesh- Tofayel Ahmed, Haruna Moroto, <b>Maiko Sakamoto</b>, Akiko Matsuyama</li> <li>3. Efficacy of District Disaster Management Plans and need for Universities Involvement- <b>K. Lenin Babu</b></li> <li>4. Climate Change Adaptation And Disaster Risk Reduction Integration - <b>Pavan Kumar Singh</b> and Monika Gupta</li> <li>5. Action Plan on Science in Society Related Issues in Epidemics and Total Pandemics - <b>Kailash Gupta</b></li> </ol>	<ol style="list-style-type: none"> <li>1. Effective Communication Design for Elderly for Disaster Mitigation - <b>Mahua Mukherjee</b> and S Kolay</li> <li>2. Disaster Preparedness and Resilience of the Aged: A sociological Approach : <b>Anindya Mishra</b></li> <li>3. Wind Comfort and Safety of the Elderly in the Vicinity of Tall Buildings - <b>K. Mohan</b> and M Mukherjee</li> <li>4. Mitigation Strategies to Lessen Impact of Heat Wave on Elderly People –<b>Vandana Singh</b></li> <li>5. Disaster Response and Evacuations of Elderly: An Assessment of Key Issues and Challenges - <b>Vasudha Gokhale</b></li> <li>6. Vulnerability and Resiliency of Elderly in case of Disaster- <b>GS Grewal</b>, Jugal Kishore</li> <li>7. Resilient Elderly friendly neighbourhood: A Guidelines –<b>Hudha AS</b></li> </ol>

01.00 – 02.00 : Lunch Break

02.00 – 03.30: Parallel Session Seven

AUDITORIUM Natural and Technological Hazards: Forecasting and Early Warning Systems	TAGORE Disaster Preparedness: Anticipating and minimizing impacts	BHABHA Post Disaster Recovery and Management	MIRZA GHALIB Growth Environment and Disaster	AMIR KHUSRU Open Session	TANSEN Disaster Preparedness: Anticipating and minimizing impacts
SESSION -EE Chair: <b>Bhoop Singh-National Resources Data Management System, New Delhi</b>	SESSION-FF <b>Role and Use of Space Technology in Disaster Management</b>  Chair: <b>VV Rao- Indian Space Research Organization, Hyderabad</b>	SESSION -GG <b>Urban Spatial Planning and Disaster Management</b>  Chair: <b>Sanjukta Bhaduri - School of Planning and Architecture, New Delhi</b>	SESSION-HH <b>Appropriate Development Practices as the Route to Disaster Risk Reduction</b>  Chair: <b>Andrew E. Collins-Northumbria University, United Kingdom</b>	SESSION -II Chair: <b>Vineet K Gahalaut, National Geophysical Research Institute (NGRI), Hyderabad, India</b>	SESSION-JJ <b>Technology and Disaster</b>  Chair: <b>Gagendra Naithani-HNB Garhwal University Srinagar</b>
<ol style="list-style-type: none"> <li>1. Application of numerical methods in assessing process, mechanism and failure behavior in complex materials-<b>TN Singh</b></li> <li>2. Landslide Monitoring System using Image Motion Detection Technique -<b>SK Mittal</b></li> <li>3. Reservoir Induced Landslide: <b>R. Anbalagan</b></li> <li>4. Changing climate patterns vis-à-vis landslide studies in the northwestern Higher Himalaya - <b>Vikram Gupta</b></li> <li>5. Application of SAR Interferometry for detection of landslide zone and deformation pattern - Atanu Bhattacharya, Manoj Kuri, <b>Manoj K. Arora</b> and M. L. Sharma</li> <li>6. Rainfall recharge dynamic in forecasting landslides - <b>M Muthukumar</b></li> </ol>	<ol style="list-style-type: none"> <li>1. Hydrological Modelling for Flood Forecasting and Inundation Simulation, Case Studies - <b>K H V Durga Rao</b>, V Venkateshwar Rao, P.G.Diwaker and V K. Dadhwal</li> <li>2. Development of Landslide Early Warning System for rainfall triggered landslides along pilgrimage route corridors to Badrinath and Kedarnath in Uttarakhand- <b>John Mathew</b>, Anil Yadav, Arul Raj, Giri Babu D, Vinod Kumar K, Ravi Kumar MV, Vinod M Bothale, Sonal Aggarwal, Diwakar PG and Dadhwal VK</li> <li>3. Bhuvan-Earth Visualization, Disaster Services and Crowd Sourcing -<b>Vinod M Bothale</b>, Arulraj M, V. Bhanumorthy, P G Diwakar, V K Dadhwal</li> <li>4. Disaster Management Support Programme of ISRO/ DOS- <b>G Srinivasa Rao</b> and V Bhanumurthy</li> <li>5. Satellite Based Monitoring of the Jhelum Floods and Cyclone Hudhud Disasters 2014- <b>G Srinivasa Rao, Dr.P Manjusree</b> and Dr.C M Bhatt</li> </ol>	<ol style="list-style-type: none"> <li>1. A Planning approach for Disaster Reduction in Cities– <b>Sanjukta Bhaduri</b></li> <li>2. Dynamics of Disaster Risk In Urban Villages of Delhi – <b>Bipasha Kumar</b></li> <li>3. Role of Land Use Zoning, Building Regulations, Development Control Regulations and Master Plans/Development Plans in reducing disaster risks - <b>Ranjini Mukherjee</b></li> <li>4. Earthquake Loss Estimation for Shillong City- <b>Hans Wason</b> and Sajal Sajal</li> </ol>	<ol style="list-style-type: none"> <li>1. Assessment of Climate Change Impacts on Water Resources and Consequent Disasters - <b>AK Gosain</b></li> <li>2. Future Development in View of Climate Change : <b>Anjali Srivastava</b></li> <li>3. Climate Variability vs Climate Change: Reality Behind the Rhetoric! - <b>Rakesh Khosa</b></li> <li>4. Real time Flood Forecasting for Surat City- <b>Sandhya Rao</b>, A.K. Gosain, Puja Singh, Elangovan V, U. Rajasekar</li> <li>5. Variation of extremes in the recent past -<b>Dhanya C.T</b> and Vinnarasi R</li> <li>6. Climate Change Impacts on Secondary Transmission of Diseases – <b>AK Nema</b></li> </ol>	<ol style="list-style-type: none"> <li>1. Trend in Extreme Temperatures and Occurrence of Heat Waves in Rajasthan, India – <b>Sreekesh S</b></li> <li>2. An Evaluation of Tsunami Tradition Media for Human Casualties Reduction - Case of Iwate and Miyagi Prefectures on the 2011 Great East Japan Earthquake and Tsunami - <b>Shosuke Sato</b></li> <li>3. Development of Regional Earthquake Loss Model for the Middle East - <b>Mohammad Zolfaghari</b></li> <li>4. Harmonizing Policy Frameworks to Operationalize Sendai Framework at Sub-national and Local Level –<b>Anil Gupta</b></li> <li>5. Geotechnical studies on one active Landslide at Sibilong (Nung Dolan), NH-37,Manipur –<b>Kh. Mohan Singh</b></li> <li>6. Evaluation of Liquefaction Resistance Using Different Methods for Disaster Mitigation - <b>Mukesh Petshali</b> and B.K.Maheshwari</li> </ol>	<ol style="list-style-type: none"> <li>1. Natural and Man Made Disasters: A Case Study in a Part of Uttarkashi District Garhwal Himalaya Uttarakhand –<b>Nagendra Naithani</b> and Indira Jugran</li> <li>2. Impact of the Tehri Dam Reservoir on the Slope stability around Reservoir Rim area - <b>Mala Bhatt</b>, N.P Naithani and S.K. Bartarya</li> <li>3. Study on Reinforcement of Interconnection Lines Between Areas Where Electric Power Supply Restriction is Assumed by Huge Earthquakes- <b>Tetsuya Torayashiki</b></li> <li>4. Cost-Benefit Analysis of the Decontamination Policy in Fukushima, Japan- <b>Shingo Nagamatsu</b></li> <li>5. Radio Based Approach for Disaster Risk Reduction and Management Using Automatic Packet Reporting System and Ham Radio Digital Communication Technologies - <b>Sandeep Baruah</b></li> </ol>

03.30 – 4.00 PM Tea/Coffee Break

4.00 – 5.00 PM Conference achievements and summary:  
 IRDR Perspectives: Rudiger Klien, Executive Director, IRDR, Beijing, China  
 DPRI Perspectives: Kaoru Takara, Director, DPRI, Kyoto University  
 The way forward: Joanne Bayer, Norio Okada, Adam Rose, Hirokazu Tatano, Pradipta Banerji, Bijay Anand Misra, Kamal Kishore, Mohsen Ashtiany

## YOUNG SCIENTISTS FOR POSTER SESSION

TITLE	NAME	AFFILIATION
Estimation of the Value of the Moral Damages of Residents in the Non-Mandatory Evacuation Area of the 2011 Nuclear Power Plant Accident of Fukushima	Kazuhiko Marui	Kansai University Osaka, Japan
Analysis of the Spatiotemporal Relationship Between Flood Frequency and Climate Change of the World	Xu Yang, Peijun Shi, Fan Liu and Shao Sun	Beijing Normal University, P.R. China
Real Time Earthquake Hypocenter Location Tracking by Using Single Sensor	Yogesh Sherki	Veermata Jijabai Technological Institute, Mumbai
Evaluation of Quantitative Methods of General Structural Damage Index in Earthquake Condition, Using AHP Method	Ali Akbar Ramezannejad, Mahdi Bitarafan and Hadi Shahpar	Kharazmi University, Iran
Scenario of Damage Caused by Earthquake in Urban Water and Wastewater Supply System	Shahin Lale Arefi, Amir Mahmoudzadeh, Mahdi Bitarafan Jalal Nakhaei	University of Mohaghegh Ardabili, Iran
Earthquake Hazard Assessment and Microzonation	Ankita Prasun	IIT Roorkee
Study of Seismic Vulnerability of Bihar to Himalayan Earthquake	Aryendra Bharadwaj and Ajay Sinha	NIT Patna
The Economic Consequences of Earthquakes	Saket Kumar and Ajay Sinha	National Institute of Technology, Patna
Building Typologies Existing in Indian Himalayas: A Field Survey	Mitesh Surana and Yogendra Singh	IIT Roorkee
Utilization of the Municipal Waste as a Reinforced Polymer Composites	Prashant Srivastava and Shishir Sinha	IIT Roorkee
Before and After Scenario of Landslides in the 2013 Disaster-hit Mandakini Valley, Uttarakhand Himalaya	Urvashi Meena	IIT Roorkee
Seismic Performance Evaluation of Innovative Interlocked Concrete Block Masonry System with Energy Dissipator Visco-Elastic Links	Amit Goyal, Er., Pankaj Agarwal	IIT and IIT, Roorkee
Intuition Capacity Assessment: An Inherent Approach for Disaster Management	Abhishek Kumar	IIT- Roorkee
Vulnerability Reduction and Building Resilience in Urban Historic Core: Lessons From Kathmandu, Nepal	Sameer Deshkar, Anjali Manandhar	Visvesvaraya National Institute of Technology, Nagpur
Performance Based Design of Earth and Embankment Dams in Seismic Zone	Nishtha Saraswat	IIT, Roorkee
The Vulnerability of Golpayegan City to Natural Hazards, Challenges and Solutions	Sadi Ghaderi and Amir Mahmoudzadeh	Shakhes Pajouh University, Iran
Comparison of Regression Procedures for Japan Earthquake Magnitudes	Ranjit Das, Hans Wason, Vijay Kumar	IIT Roorkee
Seismic Vulnerability Study of School Buildings At Silchar Town	Ramachandra Gollar and Satyabrata Choudhury	National Institute of Technology Silchar
Industrialization, Land Use and Technological Hazards	Prashansa Dixit	Indian Institute of Technology, Bombay
Planning for Climate Resilient Coastal Cities A Case of Kakinada, India	Sameer Deshkar and Shruthi Dakey	Visvesvaraya National Institute of Technology, Nagpur
Stability Analysis of Stem Wall Under Earthquake Loading	Rajesh Shukla and Rahul Singh	IIT Roorkee
Challenges of Data Analysis Technologies in Disaster Management	Ankur Srivastava and Kamal Jain	IIT- Roorkee
Landslide Hazard Assessment of Guwahati Region Using Physically Based Models	Chiranjib Sarma, A Murali Krishna and Arindam Dey	Indian Institute of Technology Guwahati
Education for Meteorological Disaster at Miyagawa Junior High School in Japan	Yasuhiro Kawata	DPRI, Kyoto University, Japan
Effects of Voids Ratio on Dynamic Properties of Soil in Low Strain Range	Ankit Agarwal	IIT Roorkee
Soil Parametric Study on Behaviour of Monopile	Ritesh Kumar, Bal Krishna Maheshwari	IIT Roorkee
Effect of Type of Soil on the Response of a Bridge Pier Under Seismic Loading	Nilay Mohgaonkar	IIT Roorkee

## Annexe

SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
Muthiah Perumal	Hydrological Hazards		
<b>SPEAKERS</b>			
Muthiah Perumal	Discharge Estimation Techniques Only Using Stage Data	perumfhy@iitr.ac.in, p_erumal@yahoo.com	IIT Roorkee, India
OP Gupta	Flood Estimate for Dam Break Scenario of Phuktal Landslide Dam	opgupta01@rediffmail.com	Centre Water Commission, New Delhi, India
Nitya Rai	Hydrological and Hydrodynamic Assessment of Kedarnath Flood of June 2013	nnraicwc@gmail.com	Centre Water Commission, New Delhi, India
Ritesh Khattar	Rainfall Runoff Based Flood Forecasting in Jhelum Basin Using Quantitative Precipitation Forecast -A Mathematical Model Approach	rk_cwc@yahoo.co.in	Centre Water Commission, New Delhi, India
Ravi Pillai	India's Dam Safety Concerns and Preparedness for Dam Related Emergencies	dir-drip-cwc@nic.in	Centre Water Commission, New Delhi, India
Prasanna Ramaswamy, G	Managing the Phuktal River Crisis- A Disaster Averted in the High Himalayas	prasanna.iasjk@nic.in	Ladakh Autonomous Hill Development Council, India
<b>SESSION CHAIR</b>			
Siddhartha Ghosh & Co-Chair: Max Didier	Critical Infrastructure for Resilient Community	sghosh@civil.iitb.ac.in, didierm@ethz.ch	IIT Bombay, Mumbai, India and ETH Zurich, Switzerland
<b>SPEAKERS</b>			
Siddhartha Ghosh and Max Didier	Seismic Resilience of a Community and Its Critical Infrastructure: A Review	sghosh@civil.iitb.ac.in, didierm@ethz.ch	IIT Bombay, Mumbai, India
Jaydipta Ghosh	Seismic Reliability Assessment of Highway Bridge Transportation Networks	jghosh@iitb.ac.in	IIT Bombay, Mumbai, India
Roop Dave	Emergency Operation Center (EoC) -Design, Operation and Management	dave-itra@medialabasia.in	Information Technology Research Academy, Mumbai, India
Paul Pavelic	Mitigating Water-Related Disasters and Improving Livelihoods Through Innovative Subsurface Solutions	p.pavelic@cgiar.org	International Water Management Institute, Vientiane, Lao P.D.R
Chisato Asahi	Evaluation of the Vulnerability of Infrastructure	asahi@tmu.ac.jp	Tokyo Metropolitan University, Japan
Satoshi Tsuchiya	An Economic Impact Analysis of a Disaster on Urban Transportation Network -For Better Management and Maintenance Policy	tsuchiya@sse.tottori-u.ac.jp	Tottori University & Faculty of Engineering, Japan
<b>SESSION CHAIR</b>			
G Padmanabhan	Building Blocks for Main streaming DRR	g.padmanabhan@undp.org	Senior Emergency Analyst, United Nations Development Programme, New Delhi, India
<b>SPEAKERS</b>			
Arun Sahdeo	Review of Mainstreaming DRR in National Flagship Programs	arun.sahdeo@undp.org	United Nations Development Programme, New Delhi, India
Anil Gupta	Mainstreaming DRR into local level planning	envirosafe2007@gmail.com	National Institute of Disaster Management, New Delhi, India
Sarat Panda	Government of India Initiatives in Mainstreaming Disaster Risk Reduction in Development Planning	sarat.panda@undp.org	United Nations Development Programme, New Delhi, India
Chandrani Bandyopadhyay	Building Resilience of Communities: A Strategy for Mainstreaming Disaster Risk Reduction in Urban Development	chandrani.nidm@nic.in	National Institute of Disaster Management, New Delhi, India

SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
Manoj Jain	Influence of Rainfall Data Length on Meteorological Drought Assessment	jain.mkj@gmail.com	IIT Roorkee, India
Mona Chabra Anand	Disaster Resilient Rural Housing - lessons from Systems Thinking	mona.c.anand@gmail.com	IIT Delhi, India
Praveen Kumar Pawar	Post Disaster Resilient House Construction	praveen@redrindia.org	SPS Ecotech Pvt Ltd, New Delhi, India
<b>SESSION CHAIR</b>			
Kamal Kishore	Protecting Children From Disaster Risks	kkamal02@gmail.com	National Disaster Management Authority, New Delhi, India
<b>SPEAKERS</b>			
Kamal Kishore	Child-centred disaster risk reduction (DRR)	kkamal02@gmail.com	National Disaster Management Authority, New Delhi, India
Murali Kunduru	Child Centred DRR and Climate Change Adaptation through Environmental Education	murali.kunduru@planindia.org	Plan India, Andhra Pradesh, India
Ray Kancharla	Child Centred Resilience is a paradox and an opportunity	r.kancharla@savethechildren.in	Save the Children, New Delhi, India
Antony Spalton	Child Centred DRR and Climate Change Adaptation through Environmental Education	aspalton@unicef.org	Global Risk Reduction and Resilience Specialist, UNICEF New York
Meda Prasad	Child Centered Disaster Risk Reduction Integrating with Climate Smart Interventions in Coastal Andhra Pradesh	cadmeindia@gmail.com	Coastal Area Disaster Mitigation Efforts (CADME), Andhra Pradesh, India
<b>SESSION CHAIR</b>			
Tomohide Atsumi	Are We Really Integrated at Integrated Disaster Risk Management (IDRiM)?: Can We, Should We, Shall We, and How?	atsumi@hus.osaka-u.ac.jp	Osaka University, Japan
<b>SPEAKERS</b>			
Hirokazu Tatano	What Does Integrated DRM Mean?: From the DRR Planning Perspective	tatano@imdr.dpri.kyoto-u.ac.jp	Kyoto University, Japan
Takumi Miyamoto	Rethinking of "data" in disaster risk communication	Takumi_miyamoto@hq.hyogo-u.ac.jp	Osaka University, Japan
Muneta Yokomatsu	Indeterminacy of Recovery Process of Economy of Affected Regions Within the Compass of Economic Analyses: Needs for Complementary Approach	yoko@drs.dpri.kyoto-u.ac.jp	Kyoto University, Japan
Dukhi Sah	Challenges and opportunities for Roadmap of disaster risk reduction in Bihar Region with Sustainable growth	dukhi_sah@yahoo.com	Bihar Police Building Construction Corporation, Patna, India
Vineet Kumar	Urbanization and Natural Disaster Risk	vineet_kumar@swissre.com	Swiss Re Bangalore, India
Ryosuke Aota	Considering Disaster Reduction, Recovery and Reconstruction Through Cooperation Among Local Governments in Japan	1413ahr@leto.eonet.ne.jp	University of Hayogo, Japan
<b>SESSION CHAIR</b>			
Nadejda Komendantova	Framework for Natural and Technological Risk Management From Risk to Multi-risk Governance in Na-Tech Risk Management Subtitle: Co-production of Knowledge Between Science and Practice	komendan@iiasa.ac.at	International Institute for Applied Systems Analysis, IIASA, Austria
<b>SPEAKERS</b>			
Anna Scolobig	Mainstreaming Multi Risk Governance in Risk Policies	anna.scolobig@usys.ethz.ch	International Institute for Applied Systems Analysis (IIASA), Austria

SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
Ana Maria Cruz Naranjo	Risk Governance and Decision Making for Complex Natural and Technological Disasters	anamaria@drs.dpri.kyoto-u.ac.jp	Kyoto University, Japan
Raghu Chaliganti	Climate Change, Disasters and Local Strategies: Towards a Multilevel Risk Governance Approach	raghu.chaliganti@fu-berlin.de	Freie Universität Berlin, Germany
<b>SESSION CHAIR</b>			
Subimal Ghosh	Urban Flooding and Extreme Flood Events	subimal@civil.iitb.ac.in	IIT Bombay, Mumbai, India
<b>SPEAKERS</b>			
Subimal Ghosh	Monitoring and Forecasting of Hydro-climatic Extremes	subimal@civil.iitb.ac.in,	IIT Bombay, Mumbai, India
Subhankar Karmakar	Urban Flood Forecasting System for Mumbai City: Major Challenges and Opportunities for Research	subhankar.karmakar@gmail.com	Centre for Environmental Science and Engineering (CESE) & IIT Bombay, India
Umamaheshwaran Rajasekar	Modelling Flood Impact in Surat, India	rumahesh45@gmail.com	Taru Leading Edge, New Delhi, India
Nachtnebel H.P	Anticipating Emerging Flood Risks	Hans_peter.nachtnebel@boku.ac.at	University of Natural Resources and Life Sciences, Vienna, Austria
Xinyu Jiang	Study on Spatial Flood Risk Assessment Considering Multiple Flood Sources	jiang.xinyu.4u@kyoto-u.ac.jp	Disaster Prevention Research Institute, Kyoto University, Japan
Ravikant Singh	Trend in Extreme Temperatures and Occurrence of Heat Waves in Rajasthan, India	sreekesh@mail.jnu.ac.in	Jawaharlal Nehru University, New Delhi, India
<b>SESSION CHAIR</b>			
Ana Maria Cruz	Strengthening Local Capacities for Reduction of Joint Natural and Technological Disaster Risks	anamaria@drs.dpri.kyoto-u.ac.jp	Kyoto University & Disaster Prevention Research Institute, Japan
<b>SPEAKERS</b>			
Ana Maria Cruz	Contribution to Resilience of a Territory exposed to Natech Risks- ResTO-TerRiN Project	anamaria@drs.dpri.kyoto-u.ac.jp	Kyoto University & Disaster Prevention Research Institute, Japan
Elisabeth Krausmann	Development of a Natech Risk Assessment Tool for Local and Regional Natech Risk Assessment	elisabeth.krausmann@jrc.ec.europa.eu	European Commission, Joint Research Centre (JRC), Italy
Nadejda Komendatova	Addressing Impacts of Natural Hazards on Electricity Transmission Networks	komendan@iiasa.ac.at	IIASA, Austria
VB Pant and Sutapa Bhattacharya	Natural Disaster Causing Emergency From Cross Country Pipelines	sutapabhattacharya@yahoo.co.in sbhattacharya@nsc.org.in	National Safety Council (NSC), Navi Mumbai, Maharashtra
Mohamadzahir/Zahir Shaikh	Eco-industrial Cluster Planning for Disaster Risk Reduction	zahir@unnati.org	Gujarat Institute of Disaster Management & Unnati - Organisation for Development Education, Gujarat, India
Yoshio Kajitani	Statistical inference of Functional Fragility Curves and Its Application to Production Capacity Loss Estimation during Disaster	kajitaniyoshio@gmail.com	Central Research Institute of Electric Power Industry Abiko, Japan
<b>SESSION CHAIR</b>			
Zubin Zaman	Role of Civil Society	zubin@oxfamindia.org	Oxfam India
<b>SPEAKERS</b>			
Zubin Zaman	Role of Civil Society in Mainstreaming DRR	zubin@oxfamindia.org	Oxfam India

SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
Sujan Chandra Das	Mainstreaming DRR in MGNREGS – Experiences from Subarnarekha flood plains in Balasore Odisha	Sujan@oxfamindia.org	Oxfam India
Prerna	Short term memory and Long term needs!	prerna@oxfamindia.org	Oxfam India
Animesh Prakash	Field Innovations in DRR and Its Impact on Dalits and Tribals of Subarnrekha Flood Plains in Odisha	animesh@oxfamindia.org	Oxfam India
Puthumai A Nazarene	Role of civil society in enhancing effectiveness of risk management	alertind@gmail.com	UNICEF India
Maribel Lanticse	The Art of Surviving a Natural Disaster: The Case of Miranda Village in Davao Del Sur, Philippines	info@jmc.edu.ph	Jose Maria College & Sonshine Media Network International, Philippines
Kumud Kafle	Role of Media for Resilience From Flood Disaster: a Case Study of August 2008 Koshi Flood in Nepal	krkafle@ku.edu.np	Kathmandu University, Nepal
<b>SESSION CHAIR</b>			
Muneta Yokometsu	Economics Analyses of Disaster and Growth: Toward Sustainable Resource Management	yoko@drs.dpri.kyoto-u.ac.jp	Kyoto University, Japan
<b>SPEAKERS</b>			
Muneta Yokometsu	Economic Impact of Drought on Balanced Development: A Multi-Sector and Multi-Region Model of Pakistan	yoko@drs.dpri.kyoto-u.ac.jp	Kyoto University, Japan
Manas Chatterji	Inequality, Conflict, and Disaster Management	mchatter@binghamton.edu	State University of New York at Binghamton USA
Stefan Hochrainer	A Risk Layer Approach for Managing Extreme Risk on the Global Scale	hochrain@iiasa.ac.at	International Institute for Applied Systems Analysis(IIASA), Austria
Muhammad Habibur Rahman	Climate Change, Natural Disasters and Economic Growth: Evidence from Australia	habib.rahman@outlook.com	Deakin University, Australia
Joanne Linnerooth-Bayer	The European Union Solidarity Fund: A Model for Regional Solidarity-based Risk Pools?	bayer@iiasa.ac.at	International Institute for Applied Systems Analysis(IIASA), Austria
Kentaro Kumagai	Production Capacity Change in Industrial Sectors of Hachinohe City Due to the 2011 Tohoku Tsunami	kumagai_k27n@yahoo.co.jp	Kyoto University, Japan
<b>SESSION CHAIR</b>			
Eizo Hideshima	Process Technology for Community Building	hideshima.eizo@nitech.ac.jp	Nagoya Institute of Technology, Japan
<b>SPEAKERS</b>			
Eizo Hideshima	Augmentation of Public-Private Partnership for Both Normal and Disaster Situations	hideshima.eizo@nitech.ac.jp	Nagoya Institute of Technology, Japan
Norio Okada	Improving the Yonmenkaigi System Method (YSM) for Setting Up a Collaborative Communication Forum and Making a Small Change Together for Disaster Reduction	okada-n@kwansei.ac.jp	Disaster Prevention Research Institute (DPRI), Kyoto. University, Japan
Toru Fujisawa	The Direction of a Community to Maintain and Increase the Disaster Control Capability	fujisawa@arkadas.co.jp	Arkadas Inc, Japan
Jong-il Na	Implementation of Participatory Methods for Disaster Recovery as Community Building of a Local Community in Korea	na@sse.tottori-u.ac.jp	Tottori University, Japan
Subho Samaddar	The Process of Participatory Flood Risk Mapping in a Slum Community, Mumbai	samaddar14@gmail.com	Disaster Prevention Research Institute, Kyoto University, Japan



SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
Yoko Matsuda	Disaster Knowledge Creation Process Observed in Collaborative Translational Action of Narratives in a Affected Area	ymatsuda@kwansei.ac.jp	Kwansei Gakuin University, Japan
<b>SESSION CHAIR</b>			
Shailesh Nayak:Chair Co –Chair: Jyoti K Parikh	Climate and Disaster Resilient Smart Cities	Jyotiparikh@irade.org	Centre Water Commission,Delhi & Integrated Research and Action for Development (IRADe), Delhi, India
<b>SPEAKERS</b>			
Ajit Tyagi	Mainstreaming Weather, Climate, Environmental and Geological data/ Information/ Knowledge in Planning, Governance and Disaster Risk Reduction of Smart Cities	ajit.tyagi@gmail.com	Integrated Research and Action for Development (IRADe) ,New Delhi, India
Manoj Kumar Singh	Mainstreaming Disaster Resilience for Sustainable Development of Cities in India: Case study of Guwahati and Shillong	mkumar@irade.org	Integrated Research and Action for Development, New Delhi, India
Nirmal Kumar	Capacity Building for Facing Challenges Due to Earthquake Disaster in Bihar State of India	nirmalmit@rediffmail.com	Aryabhata Knowledge University, Patna, India
Ajith Kaliyath	Ecological Stress Framework for Smart City Planning	akaliyath@niua.org	National Institute of Urban Affairs (NIUA), New Delhi, India
Tomoko Okoyama	Toilet Waste Management in Shelters	t_okoyama@mail.tais.ac.jp	Taisho University, Japan
<b>SESSION CHAIR</b>			
B.K. Maheshwari	Earthquake and Landslide Hazard Management	bkmaheshwari.iitr@gmail.com	IIT Roorkee, India
<b>SPEAKERS</b>			
B.K. Maheshwari	Mitigation of Landslides in Uttarakhand through Seismic Slope Stability Analysis	bkmaheshwari.iitr@gmail.com,	IIT Roorkee, India
Pradeep Muley	Comparison of Different Methods for Evaluating the Liquefaction Potential of Roorkee Region	pradeep_muley@yahoo.co.in	IIT Roorkee, India
Aniruddha Bhaduri	Seismic Slope Stability Analysis Using DEM and Displacement Models	aniruddha241991@gmail.com	IIT Roorkee, India
Jifu Liu	Research on Earthquake-induced Landslides Hazard Zonation in Sichuan	liujifu@bnu.edu.cn	Beijing Normal University, China
Michinori Hatayama	Disaster Risk Information for Land Slide	hatayama@imdr.dpri.kyoto-u.ac.jp,	Disaster Prevention Research Institute, Kyoto University,Japan
Saurabh Verma	Ground Improvement Using Stone Columns for Disaster Mitigation	saurabh01091990@gmail.com	IIT Roorkee, India
Sanjay Sibal	Seismic Hazards and Seismic Design of Dams	sksibal-cwc@nic.in	Centre Water Commission,New Delhi, India
Ninad Shinde	Role of Local Site Conditions in Disaster Mitigation	ninadshinde15@gmail.com	IIT Roorkee, India
<b>SESSION CHAIR</b>			
D. Parthasarathy	Processes and Outcomes of Successful Participatory Disaster Risk Management	dp@hss.iitb.ac.in	Disaster Prevention Research Institute, Kyoto University, Japan
<b>SPEAKERS</b>			
D. Parthasarathy	Informality and Decentralization in Disaster Risk Mitigation: Challenges and Possibilities	dp@hss.iitb.ac.in	IIT Bombay, Mumbai, India

SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
Uttam Kumar Roy	Prioritization in a Public Participation Process: Case Study of KUSP, Kolkata	ukroyfap@iitr.ac.in	IIT Roorkee, India
Wei Xu	Risk Mapping: An Effective Tool and Priority for Public Participation in Community Risk Management in China	xuwei@bnu.edu.cn	Academy of Disaster Reduction and Emergency Management, Beijing Normal University, China
Makoto Murase	Social enterprise on Sky Water Harvesting for Solving Drinking Water Crisis in Bangladesh	dr.skywater@gmail.com	Institute for Sky Water Harvesting Ltd, Japan
Suman Ranjan Sensarma	Emerging Risks Due to Rising Ship Movement in Arctic Areas: Strategic Analysis Using Drama Theory	suman1210@gmail.com	Ministry of Urban Development, New Delhi, India
Upasna Sharma	A review of traditional knowledge systems based indicators for making weather and climate related ex-ante agricultural decisions by farmers	upasna.sharma@gmail.com	IIT Delhi, India
Subhajyoti Samaddar	What Constitutes an Effective Community Participation in Disaster Risk Management? Voices from the Fields of Ghana	samaddar14@gmail.com,samaddar@storm.dpri.kyoto-u.ac.jp	Disaster Prevention Research Institute, Kyoto University, Japan
<b>SESSION CHAIR</b>			
Nadejda Komendatova	Role of Education Knowledge and Training in Mainstreaming DRR	komendan@iiasa.ac.at	International Institute for Applied Systems Analysis (IIASA), Austria
<b>SPEAKERS</b>			
Nadejda Komendatova and Junko Mochizuki	Impacts of risks perceptions on decision-making: case studies of the 1995 Kobe, the 2004 Sumatra-Andaman and the 2011 Tohoku earthquakes	komendan@iiasa.ac.at	International Institute for Applied Systems Analysis (IIASA), Austria
AKJ Sheno	National Capacity Building Strategy for DRR in India - Study Outcome	kjanand@gmail.com	National Institute of Disaster Management, New Delhi, India
Aruna Gajbhiye	Disaster Risk Reduction Education: A Roadmap	argajbhiye@gmail.com	Tirpude College of Social work (Nagpur University), Nagpur, India
Hemant Vinayak	Tools Development an Outcome of Capacity Building Training Programmes	hkvced@nith.ac.in	National Institute of Technology, Hamirpur, India
Lena Bledau	Cultures of Catastrophes	lena.bledau@fu-berlin.de	Freie Universität Berlin, Germany
Djillali Benouar	Harnessing the African Higher Education Institutions in Advancing Disaster Risk Reduction: A Capacity Building Model for Post-2015	dbenouar@usthb.dz	University of Science and Technology Houari Boumedienem( USTHB), Algeria
Kiyomine Terumoto	Effects of the Practical Tsunami Evacuation Drill	terumoto1@dri.ne.jp	Disaster Reduction and Human Renovation Institution, Japan
<b>SESSION CHAIR</b>			
Garry de la Pomerai	Water and Adaptation to Climate Change	soluzioninfo@soluzionssystem.com , soluzioninfo@aol.com	UNESCO GTFBE, UAE
<b>SPEAKERS</b>			
Garry de la Pomerai	Water Resource Management. Earths Nemesis	soluzioninfo@soluzionssystem.com , soluzioninfo@aol.com	The United Nations Educational, Scientific and Cultural Organization. UNESCO GTFBE, UAE
Sunil Nautiyal	Climate Change and Vulnerability: Micro Level Case Study From Rural Landscape Located Amidst of Eastern and Western Ghats, Karnataka, India	sunil@isec.ac.in	Institute for Social and Economic Change, Bangalore, India

SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
Vikas Goyal	Hydro-sociological Perspective of Disaster Management	vcg@nih.ernet.in	National Institute of Hydrology, Roorkee, India
Shukla Shital	Vulnerability of Agricultural Sector Towards Extreme Variability: A Case of Gujarat	shitalshukla25@yahoo.co.in	The M. S. University of Baroda, Vadodara (Gujarat), India
Rajendra Prasad Pandey	Regional Characteristics and Current Status of Drought Management in India	rppandey@gmail.com	National Institute of Hydrology, Roorkee, India
Meeta Goel	Vulnerability of Small and Marginal Farmers to Climate Variability	anand@som.iitb.ac.in	Centre for Environmental Planning and Technology, University Ahmedabad/University of Maryland, USA
PBS Bhadoria	Technological Interventions for Food Security Under Climate Change	pbsb@agfe.iitkgp.ernet.in	IIT Kharagpur, India
<b>SESSION CHAIR</b>			
Chair Satheesh Sheno	Early warning systems for Oceanic Hazards: Tsunamis, Storm Surges, High Waves and Sea Level Rise	sheno@incois.gov.in	Indian National Centre for Ocean Information Services (INCOIS), Hyderabad, India
<b>SPEAKERS</b>			
T. Srinivasa Kumar	Indian Tsunami Early Warning Centre, INCOIS – Tsunami early warnings	srinivas@incois.gov.in	Indian National Centre for Ocean Information Services (INCOIS), Hyderabad, India
TM BalaKrishnan Nair	Prediction of High Waves along Indian coasts	bala@incois.gov.in	Indian National Centre for Ocean Information Services (INCOIS), Hyderabad, India
RS Mahendra	Coastal Risk Assessment and Implications of Future Sea-level Rise along Pondicherry Coast using Geospatial Techniques	mahendra@incois.gov.in	Indian National Centre for Ocean Information Services (INCOIS), Hyderabad, India
CP Rajendran	Lessons from the 1945 tsunami: Hazard implications for the Makran-Indian Coasts	rajendran@jncasr.ac.in	Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India
PLN Murty	Real time storm surge and inundation extent forecasting system at ESSO-INCOIS, Hyderabad	murty.pln@incois.gov.in	Indian National Centre for Ocean Information Services (INCOIS), Hyderabad, India
Seshachalam Srinivasalu	Paleotsunamies on the Indian coast – A review	ponmozhisri-ni2001@yahoo.com	Indian National Centre for Ocean Information Services (INCOIS), Hyderabad, India
<b>SESSION CHAIR</b>			
K V L Subramanian	Earthquake Hazard Assessment	kvls@iith.ac.in	IIT Hyderabad, India
<b>SPEAKERS</b>			
Sankar Nath	Seismic Hazard, Vulnerability and Risk of Kolkata, India Implicating Potential Economic Loss Due to a Probabilistic Scenario	nath@gg.iitkgp.ernet.in	IIT Kharagpur, India
Januar Setiawan	Site Amplification of Denpasar City, Bali, Indonesia	jhsetia@gmail.com	Geological Agency & Center for Geological Survey, Indonesia
Pradeep Chauhan	Site Response Studies Using Micro-tremor Data in Srinagar- Garhwal Himalaya	pkschauhan@cbri.res.in	Central Building Research Institute, Roorkee, India
Antonella Peresan	A Scenario-Based Assessment of Earthquake Related Hazards	aperesan@alice.it	National Institute of Oceanography and Experimental Geophysics, Udine, Italy
Jaya Prakash Vemuri	Seismic Assessment of Masonry Construction in Himalayan Region	jp@iiit.ac.in	Indian Institute of Information Technology, hyderabad
<b>YOUNG SCIENTISTS</b>			
Hemant Mittal	Numerical Investigation of Pedestrian Wind Conditions Around Tall Buildings	hemmtddt@iitr.ac.in	IIT Roorkee, India

SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
Hiteshri Shastri	Statistical Downscaling for Forecasting Precipitation Extremes Over the Urban Region in Mumbai	114408001@iitb.ac.in	IIT Mumbai, India
Sumit Dugar	How Often Will a 1 in 1000 Year Flood Occur? the 2014 Karnali Flood in West Nepal	sumit.dugar@practicalaction.org.np	Practical Action Consulting, Kathmandu, Nepal
Himani Maheshwari	Global Warming: Indian Estimates of Greenhouse Gas Emission From Different Sectors	himanddt@iitr.ac.in	IIT Roorkee, India
Chenyan Tan	Return Period Tropical Cyclonic Wind Hazard Assessment in the WNP Based on the Historical Wind Field Simulation	tanwhu@gmail.com,	Beijing Normal University, China
Pratyasha Patnaik	Climate Change: A Cause for the Recurring Cyclones	praty.pdt2014@iitr.ac.in	IIT Roorkee, India
Yao Wang	Impacts of Climate Change on the Growth Periods of Double-season Paddy Rice in Hunan Province, China Since 1990	wangyao@mail.bnu.edu.cn	Beijing Normal University, China
<b>YOUNG SCIENTISTS</b>	<b>Seismic Risk Assessment and Preparedness</b>		
Kashif Inqalabi	Seismic Risk Assessment of Bridges as Part of a Transportation Network	inqualabi@gmail.com	Academy of Scientific & Innovative Research, New Delhi and Central Road Research Institute, New Delhi, India
P Anbazhagan	Representative Seismic Hazard Map of Peninsular India Using Subsurface Fault Rupture	anbazhagan2005@gmail.com	Indian Institute of Science, Bangalore, India
Madan Mohan Rout	Probabilistic Seismic Hazard Assessment of NW and Central Himalayas Using Kernel Estimation Method	madaniitr@gmail.com	IIT Roorkee, India
Ramachandra Gollar	Seismic Vulnerability Study of School Buildings At Silchar Town-	chandragollar@gmail.com	National Institute of Technology, Silchar, India
Yosuke Inui	Education for Disaster Prevention with Knotworking	northwest928@hus.osaka-u.ac.jp	Osaka University, Japan
Bhanu Chamoli	Development of Earthquake Early Warning System	bhanuddt@iitr.ac.in	IIT Roorkee, India
Ranjit Das	Impact of Non-Poissonian Approach in Probabilistic Seismic Hazard Analysis	ran_tu2006@rediffmail.com	IIT Roorkee, India
<b>YOUNG SCIENTISTS</b>	<b>Method and Technology Frontiers</b>		
Devarahalli Manohar	Earthquake Protection by Rubber-Soil Mixtures for Developing Countries	manohardr@civil.iisc.ernet.in	Indian Institute of Science (IISc), Bangalore, India
Gagan Singh	Dynamic Response of an RC Frame Building Base Isolated Using Geotextiles	singh92gagan@gmail.com	National Institutes of Technology, Silchar, India

SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
Ryohei Miyamae	Picture-Rescue (Picturesque) Movement for Disaster Recovery	ckpbh432@ybb.ne.jp	Osaka University, Japan
Nikhil Gaikwad	Design and Simulation of FPGA Based Digital System for Lightning Detection Sensor Node	nikhilgaikwad_123@yahoo.in	Veermata Jijabai Technological Institute, Mumbai, India
Neha Bansal	Multi Hazard Urban Risk Assessment- Methodological Framework	nhbardap@iitr.ac.in	IIT Roorkee, India
Takashi Sugiyama	An Investigation on the Web Articles "Shinsai - No - Zenjitsu" About Survivors' Experiences in Pre-Disaster Period	sugiyama@drs.dpri.kyoto-u.ac.jp	Kyoto University, Japan
Ritu Kapur	Green Computing- The Need of Hour	ritukapur1591@gmail.com	Panjab University, India
<b>YOUNG SCIENTISTS</b>	<b>Early Warning and Capacity Building</b>		
Harpalsinh Chudasama	Evaluation and Enhancement of Communities' Preparedness to Cyclones Using Peoples' Perception	harpalsinh@irma.ac.in	Institute of Rural Management Anand (Gujarat), India
Pratik Chaturvedi	Real Time Landslide Monitoring of Tangni Landslide, Chamoli, Uttarakhand	pratik_chaturvedi@students.iitmandi.ac.in	Defence Research and Development Organization, New Delhi, India
Pankaj Kumar	Analysis of Various Earthquake Early Warning Algorithms	pankaj03789@gmail.com	IIT Roorkee, India
Fuko Nakai	Simulation for Community Discussing Alternatives of Tsunami Evacuation Under Mixed Traffic of Pedestrians and Cars	nakai.fuko.48n@st.kyoto-u.ac.jp	Kyoto University, Japan
Hossein Khakshoor and Omalbanen Esmatpanah	The Effect of Training Program for Strengthening Local Communities in Natural Disasters (MOHEB Plan) on Improvement of Life Skills Among the Victims of Unexpected Events	hamidesfidari@gmail.com	MA. Azad University, Iran
Yoshiro Aduma	The Study on Coping Capacity Building for Disaster Preparedness Focus on Self-Help and Mutual Aid	azuma@do-it-yourself2014.com	Gifu University, Japan
Junko Takamori	Trial Methods of Understanding the Experiences of Disaster: Unique Use about Writing Captions on Disaster Photographs	junko.takamori@gmail.com	Osaka University, Japan
<b>YOUNG SCIENTISTS</b>	<b>Network and Community</b>		
Kritika Karki	Mainstreaming Disaster Risk Reduction in Tourism Management	kritika.karki@gmail.com	Himotthan Society, Uttarakhand, India
H Daimon	Will 'Pay-it-Forward' Network Trigger Inter-Survivor Support?	hdaimon@cbi.osaka-u.ac.jp	Osaka University; Hirosaki University, Japan
Repaul Kanji	The Essence and Importance of Commitment in Humanitarian Logistics in Disaster Management	repaul23@gmail.com	IIT Roorkee, India
Minchul Sohn	Structuration of Climate Change and Disaster Risk Reduction: Implication for Strategic Action of Supply Chain Management	minchul.sohn@hanken.fi	Hanken School of Economics, Finland

SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
Sachiko Ohno	The Role of the Civil Network for Disaster Relief in the Great East Japan Earthquake	satiko@gifu-u.ac.jp	Gifu University & Centre for Infrastructure Asset Management Technology and Research, Japan
Hitomu Kotani	Disasters as Extraordinary Situations and Social Network Formation: Does "A Paradise Built in Hell" Emerge?	hitomukotani@drs.dpri.kyoto-u.ac.jp	Kyoto University, Japan
Yogesh Jadhao	Uttarakhand Disaster: Natural Tragedy or Failure of Development Agenda	jadhaoyogesh903@gmail.com	TISS, Mumbai, India
<b>YOUNG SCIENTISTS</b>	<b>Vulnerability and Economic Analyses</b>		
Sameer Deshkar	Reinvigoration as an Approach for Vulnerability Reduction of Urban Core A Case Study of Bhopal, India	smdeshkar@arc.vnit.ac.in	Visvesvaraya National Institute of Technology, Nagpur, India
Anurag Aeron	Flood Inundation Mapping and Vulnerability Assessment of a Small Part of Lower Mahanadi Delta Region	anurag.iitr2011@gmail.com	IIT Roorkee, India
Jiayi Fang	Assessing Financial Vulnerability and Risk of Trade of Maritime Partnership Countries Along the 21st Century Maritime Silk Road	jyfang822@foxmail.com	Beijing Normal University, China
Hiroaki Ishiwata	Multi-Sector Open-Economy Model of Drought and International Risk Sharing	ishiwata@drs.dpri.kyoto-u.ac.jp	Pacific Consultants Co., LTD., Japan
Subhakanta Mohapatra	Livelihood Vulnerability to Climate Related Disasters in Indian Sundarbans: A Microlevel Analysis	subhakanta@ignou.ac.in	Indira Gandhi National Open University, Delhi, India
Narjes Zargari Kordkolaei and Iran Ghazi	Energy Consumption in Mazandaran, Iran and the Climate Change	n.zargari@bp-shakhespajouh.ac.ir	Research Institute of Shakhes Pajouh, Iran
Manik Adhikari	Probabilistic Seismic Hazard, Vulnerability, Risk & Loss Assessment of Darjeeling-Sikkim Himalaya on GIS Platform	rsgis.manik@gmail.com	IIT Kharagpur, India
<b>SESSION CHAIR</b>			
Surendra Nadh Somala	Mitigating Natural Disaster	surendra@iith.ac.in	IIT Hyderabad, India
<b>SPEAKERS</b>			
Surendra Nadh Somala	Application of Anti-aliasing Filter in Seismic Source Imaging	surendra@iith.ac.in	IIT Hyderabad, India
Prosanta Kumar Khan	Changing Perspective Behind Occurrences of Damaging Earthquakes: Issues and Challenges for Studies in Hazard and Risk	khanprosanta1966@gmail.com	Indian School of Mines, Jharkhand, India
Imtiaz A Parvez	New approaches for seismic hazard and risk studies in the Indian subcontinent	parvez@cmmacs.ernet.in	Council of Scientific & Industrial Research, Fourth Paradigm Institute, Bangalore, India
D Srinagesh	Evaluation of Seismic Hazard in Indo Gangetic Plains	srinagesh@ngri.res.in	National Geophysical Research Institute (NGRI), Hyderabad, India
Vineet K Gahalaut	India plate motion and deformation	vkgahalaut@yahoo.com	National Geophysical Research Institute (NGRI), Hyderabad, India

SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
Prantik Mandal	Modeling of site response, earthquake source parameters and ground-motion attenuation relation in the Kachchh seismic zone, Gujarat, India, from strong-motion data	prantik@ngri.res.in	National Geophysical Research Institute (NGRI), Hyderabad
Sattar Bhargavi	Comparison of Seismic Performance of Brick Masonry RC Infilled Frame with Opening and Strengthening Structural Element	bhargavi.sattar@research.iiit.ac.in	IIIT Hyderabad, India
Mahesh Prakash	C-FAST: A tool to evaluate current and future flood adaptation solutions	mahesh.prakash@csiro.au	Commonwealth Scientific and Industrial Research Organisation, Melbourne, Australia
<b>SESSION CHAIR</b>			
Sandeep Rai Rathore	Multi Stakeholder Approach to Disaster Preparedness	ig.ndrf@nic.in	National Disaster Response Force, New Delhi, India
<b>SPEAKERS</b>			
Sandeep Rai Rathore	Preparedness for Effective Response Chairperson	ig.ndrf@nic.in	National Disaster Response Force, New Delhi, India
SS Guleria	Response by NDRF during Emergency	dig.es.ndrf@nic.in	National Disaster Response Force, New Delhi, India
Chandan Ghosh	Rapid Visual Screening (RVS) of Buildings in East Delhi Against Earthquake	chandan.nidm@nic.in	National Institute of Disaster Management, New Delhi, India
D.K. Shami	Role of Fire Services in Emergency Response	dkshami@yahoo.com	Ministry of Home Affairs, New Delhi, India
GS Saini	Contribution of Indian Civil Defence in building Disaster Resilient Communities	gss_saini@yahoo.co.in	National Civil Defence College, Nagpur, India
Nafesa Ismail	Public-Private Partnership Roles in Disaster Risk Reduction and Community Resilience in Malaysia	nafesa.ismail@yahoo.com	Kyoto University, Japan
John Paulraj	Corporate Initiatives in Disaster Risk Reduction: An Approach to Strengthening Resilience of Communities Through CSR	john.paulraj06@gmail.com	Tata Chemicals Society for Rural Development & Tata Chemicals Limited, West Bengal, India
<b>SESSION CHAIR</b>			
Tomohide Atsumi	Survivors Centered Approach for Long-term Recovery From the 3.11 East Japan Earthquake & Tsunami: Collaborative Practice and Action Research with Disaster Volunteers for 5 Years	atsumi@hus.osaka-u.ac.jp	Kyoto University, Japan
<b>SPEAKERS</b>			
Motohiko Nagata	The Role of Volunteer Network in Long-Term Disaster Recovery	nagata.motohiko.4v@kyoto-u.ac.jp	Kyoto University, Japan
Toshikazu Kangyu	Paving the Salt Road with Outsiders: Recovery through Local History and Culture with Disaster Volunteers	kangyu@kuji-tourism.jp	Kuji Regional Tourism Association, Japan
Young Jun LEE	Altruistic Sentiment and Volunteering	yjlee@cc.hirosaki-u.ac.jp	Hirosaki University, Japan
Tomohide Atsumi	Collective Tools for Disaster Recovery: Recalling Collective Pride and Memory through Community Radio and "Picturescue"	y-ishizuka@respect.osaka-u.ac.jp	Osaka University, Japan
Sarbjit Singh Sahota	Disaster Recovery : Building Back Better for a Safer World	sssahota@unicef.org	UNICEF, New Delhi, India
Hironori Yamaguchi	Possibility of Unusefulness in Revitalization	gucci@fc.ritsumei.ac.jp	Ritsumeikan University, Japan

SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
<b>SESSION CHAIR</b>			
Sami Tornikoski	Ecosystem Approach to Understand and Manage Disasters	sami.tornikoski@wwfbhutan.org.bt	World Wide Fund, Bhutan
<b>SPEAKERS</b>			
Sami Tornikoski	Ecosystems, biodiversity and disasters	sami.tornikoski@wwfbhutan.org.bt	World Wide Fund, Bhutan
Paul Sayers	Natural Infrastructure: A Strategic Approach to Reducing Flood Related Disasters	paul.sayers@sayersandpartners.co.uk	Sayers and Partners LLP, United Kingdom
Pankaj Chandan	Vulnerability of Himalayan Ecosystems and Impacts on Communities and Ecosystems	pchandan@wwfindia.net	World Wildlife Fund, India
Ugan Manandhar	Land-use Planning and DRR	ugan.manandhar@wwfnepal.org	World Wildlife Fund, Nepal
Madhu Verma	Role of Tiger Reserves in Mitigating Natural Disasters	mverma@iifm.ac.in	Indian Institute of Forest Management, Bhopal, India
Pramod Singh	Reducing Drought Related Risks to Livelihoods Based on People's Perception	pramod@irma.ac.in	Institute of Rural Management Anand, Gujarat, India
<b>SESSION CHAIR</b>			
Anjali Sen	Building Resilience by Addressing Sexual and Reproductive Health needs	aghosh@ippfsar.org	International Planned Parenthood Federation, New Delhi, India
<b>SPEAKERS</b>			
Anjali Sen	Why SRH is important in Crisis and Post Crisis situations	asen@ippfsar.org	International Planned Parenthood Federation, New Delhi
Angela Dawson	IAWG Global Evaluation 2012-2014 of SRH in Crises	angela.dawson@uts.edu.au	University of Technology, Sydney
Nimisha Goswami	Adolescent Reproductive Health – Nepal Earthquake Response Case Study	ngoswami@ippfsar.org	International Planned Parenthood Federation, New Delhi, India
Priya Marwah	Placing Women and Girls at The Center of Humanitation Action in the Asia Pacific Region	marwah@unfpa.org	United Nations Population Fund , Bangkok
Aditi Ghosh	Minimum Initial Service Package for Reproductive Health and Sprint	aghosh@ippfsar.org	International Planned Parenthood Federation, New Delhi, India
<b>SESSION CHAIR</b>			
Wei Liu 1and Colin McQuistan	Achieving Resilience – the Path and Goal	liuw@iiasa.ac.at,	The International Institute for Applied Systems Analysis, Austria and Practical Action, Rugby, UK
<b>SPEAKERS</b>			
Wei Liu	Diagnosing, Assessing and Enhancing Disaster Resilience – From Theory to Practice	liuw@iiasa.ac.at,	The International Institute for Applied Systems Analysis, Austria
Adriana Keating	An Integrated Methodological Framework for Effectively Increasing Disaster Resilience	liuw@iiasa.ac.at,keatinga@iiasa.ac.in	The International Institute for Applied Systems Analysis, Austria
Sumit Dugar	A Systems Approach to Diagnose and Measure Community Flood Resilience	sumit.dugar@practicalaction.org.np	Practical Action Consulting, Kathmandu, Nepal
Paul Smith	Improving flood resilience in Nepal through forecast based early warning	paul.smith@ecmwf.int	Lancaster Environment Centre, Lancaster University, Lancaster, UK



SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
Navarun Varma	Blurring boundaries for seeking desirable and feasible solutions - Use of social learning process in a context of Brahmaputra basin in India	navarun@teri.res.in	The Energy and Resources Institute, New Delhi, India
Colin McQuisan	The Zurich Global Community Flood Resilience Alliance – An Innovative Cross-sector Partnership for Enhancing Disaster Resilience	colin.mcquistan@practicalaction.org.uk	Practical Action, Rugby, UK.
<b>SESSION CHAIR</b>			
Antonella Peresan	Effective Seismic Risk Assessment: Data Challenges and Advanced Solutions	elgabry@nriag.sci.eg	Trieste University & CRS- Istituto Nazionale di Geofisica Sperimentale Italy
<b>SPEAKERS</b>			
Antonella Peresan	Seismic Hazard Maps and Real Seismicity: a Comparative Analysis for the Italian Territory	aperesan@alice.it	Trieste University & CRS- Istituto Nazionale di Geofisica Sperimentale Italy
BK Rastogi	Earthquake Hazard Assessment for Gujarat State in Western India	dg-isr@gujarat.gov.in	Institute of Seismological Research, Gandhinagar, Gujarat, India
Kapil Mohan	Micro Seismic Hazard Assessment in Gujarat, Western India	kapil_geo@yahoo.co.in	Institute of Seismological Research, Gandhinagar, Gujarat, India
Pradeep Kumar Ramancharla	Need for Pre-Earthquake Risk Assessment of Buildings in Moderate-to-Severe Earthquake Prone Areas in India	ramancharla@iiit.ac.in	IIIT Hyderabad, India
<b>SESSION CHAIR</b>			
Santosh Kumar	Recent Initiatives/Trends in Disaster Management	profsantosh.nidm@gmail.com	National Institute of Disaster Management, New Delhi, India
<b>SPEAKERS</b>			
Surya Prakash	Initiatives on Enhancing Capacities for Disaster Risk Reduction	suryanidm@gmail.com	National Institute of Disaster Management, New Delhi, India
Abha Mishra	Inclusion of DRR Measures In Development Planning	abha.mishra@undp.org	The United Nations Disaster Management Team (UNDMT), India
Garima Aggarwal	Recovery Management- A Tool for Community Resilience	garima.aggarwal@undp.org	Ministry of Home Affairs, New Delhi, India
Paul Smith	The Global Flood Awareness System	paul.smith@ecmwf.int	Lancaster Environment Centre, Lancaster University UK
Surendran U	Drought Analysis Based on Drought Indices in Humid Tropical Regions of India	suren@cwrdm.org	Centre for Water Resources Development and Management, Kerala, India
Vasanth R. Patri	Factors that Promote Post Traumatic Growth	vasanthapatri@gmail.com	Indian Institute of Counselling, New Delhi, India
Balaji Singh Chowhan		bschowhan60@gmail.com	UNICEF India
<b>SESSION CHAIR</b>			
Junko Mochizuki	Challenges and Opportunities of Humanitarian Relief and Logistics Coordination	mochizuk@iiasa.ac.at	The International Institute for Applied Systems Analysis, Austria
<b>SPEAKERS</b>			
Hideyuki Ito	Dealing with Individual Donations in an Aftermath of a Large-Scale Disaster: Logistics Issues and Coordination Among the Involved Sectors	pi0001@h3.dion.ne.jp	P&I Logistics Cooperation, Japan
Rubel Das	A SD model for analyzing pre-defined roles in relief distribution	rubeldas@irides.tohoku.ac.jp	Tohoku University, Japan

SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
Junko Mochizuki	Toward the resiliency of humanitarian cooperation: examining the performance of horizontal cooperation among humanitarian organizations using an agent-based modeling (ABM) approach	mochizuk@iiasa.ac.at	The International Institute for Applied Systems Analysis(IIASA), Austria
Priyanka Chowdhary	Post-Disaster Needs Assessment in India	priyanka.nidm@gmail.com	National Institute of Disaster Management, New Delhi, India
BK Khanna	Inculcating Culture Of Preparedness For Disaster Management In First Responders, Community & Schools — Indian Experience	bkkhanna2@gmail.com	Former Founder Senior Consultant, National Disaster Management Authority, New Delhi, India
<b>SESSION CHAIR</b>			
AK Gosain	Climate Extremes Disasters and Environment	gosain@civil.iitd.ac.in	IIT Delhi, India
<b>SPEAKERS</b>			
AK Gosain	Assessment of Climate Change Impacts on Water Resources and Consequent Disasters	gosain@civil.iitd.ac.in	IIT Delhi, India
Anjali Srivastava	Future Development in View of Climate Change	a_srivastava@neeri.res.in	National Environmental Engineering Research Institute, New Delhi, India
Rakesh Khosa	Climate Variability vs Climate Change: Reality Behind the Rhetoric!	rakesh.khosa@gmail.com	IIT Delhi, India
Sandhya Rao	Real time Flood Forecasting for Surat City	sandhya.delhi@gmail.com	IIT Delhi, India
Dhanya C.T	Variation of extremes in the recent past	dhanya@civil.iitd.ac.in	IIT Delhi, India
AK Nema	Climate Change Impacts on Secondary Transmission of Diseases	aknema@civil.iitd.ac.in	IIT Delhi, India
<b>SESSION CHAIR</b>			
V Thiruppugazh	Disaster Policy and Governance - Challenges	vthiruppugazh@gmail.com	Joint Secretary-NDMA, New Delhi, India
<b>Speakers</b>			
Roop dave	SAARC Regional Disaster Management Center - A Conceptual Framework	dave-itra@medialabasia.in	Information Technology Research Academy, Mumbai, India
Maiko Sakamoto	Exploring Implementation Gaps Between Policy and Practice for Disaster Management in Bangladesh	m-sakamoto@k.u-tokyo.ac.jp	Japan Association of Drainage and Environment (JADE), Bangladesh and Tokyo University, Japan
K. Lenin Babu	Efficacy of District Disaster Management Plans and need for Universities Involvement	klenin2011@gmail.com	Karnataka State Women's University Vijayapura, India
Pavan Kumar Singh	Climate Change Adaptation And Disaster Risk Reduction Integration	drpavansingh@gmail.com	National Disaster Management Authority, New Delhi, India
Kailash Gupta	Action Plan on Science in Society Related Issues in Epidemics and Total Pandemics	kailashgupta@my.unt.edu	The International Emergency Management Society,Ahmedabad, India
<b>SESSION CHAIR</b>			
Chair Mahua Mukherjee	Adaptive Strategies and Coping Initiatives	mahua1965@gmail.com	IIT Roorkee, India
<b>SPEAKERS</b>			
Mahua Mukherjee	Effective Communication Design for Elderly for Disaster Mitigation	mahua1965@gmail.com	IIT Roorkee, India
Anindya Mishra	Disaster Preparedness and Resilience of the Aged: A sociological Approach	anindya.mishra@gmail.com	IIT Roorkee, India

SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
K Mohan	Wind Comfort and Safety of the Elderly in the Vicinity of Tall Buildings	profkmohan@gmail.com	IIT Roorkee, India
Vandana Singh	Heat wave and Elderly People	ar.vandana@gmail.com	IIT Roorkee, India
Vasudha Gokhale	Disaster Response and Evacuations of Elderly: An Assessment of Key Issues and Challenges	gokhale.va@gmail.com	University of Pune, India
GS Grewal	Vulnerability and Resiliency of Elderly in case of Disaster	grewal247@yahoo.in	Wellness Health and You, New Delhi, India
Hudha AS	Resilient Elderly friendly neighbourhood: A Guidelines	hudhaabdulsalam@gmail.com	IIT Roorkee, India
<b>SESSION CHAIR</b>			
Bhoop Singh		bhoopsingh@nic.in	The Natural Resources Data Management Systems (NRDMS) and National Spatial Data Infrastructure (NSDI), New Delhi, India
<b>SPEAKERS</b>			
TN Singh	Application of numerical methods in assessing process, mechanism and failure behavior in complex materials	tnsingh@iitb.ac.in	Department of Earth Sciences, IIT Bombay, Mumbai, India
SK Mittal	Landslide Monitoring System using Image Motion Detection Technique	skmskm1@rediffmail.com	CSIR-Central Scientific Instruments Organisation (CSIO) , Chandigarh, India
R Anbalagan	Reservoir Induced Landslide	anbaitr@gmail.com	IIT Roorkee, India
Vikram Gupta	Changing climate patterns vis-à-vis landslide studies in the northwestern Higher Himalaya	vgupta@wihg.res.in	Wadia Institute of Himalayan Geology, Dehra Dun, India
Manoj K. Arora	Application of SAR Interferometry for detection of landslide zone and deformation pattern	manoj.arora@gmail.com	PEC University of Technology, Chandigarh, India
M Muthukumar	Rainfall recharge dynamic in forecasting landslides	m.muthu.m@gmail.com	Gandhigram Rural Institute, Gandhigram, Tamil Nadu, India
<b>SESSION CHAIR</b>			
VV Rao	Role and Use of Space Technology in Disaster Management	vvrao@nrs.gov.in,jhkp1232gmail.com	The Indian Space Research Organisation, Hyderabad, India
<b>SPEAKERS</b>			
KHV Durga Rao	Hydrological Modelling for Flood Forecasting and Inundation Simulation, Case Studies	durgarao_khv@nrs.gov.in	The Indian Space Research Organisation, Hyderabad, India
John Mathew	Development of Landslide Early Warning System for rainfall triggered landslides along pilgrimage route corridors to Badrinath and Kedarnath in Uttarakhand	john_mathew@nrs.gov.in	The Indian Space Research Organisation, Hyderabad, India
Vinod M Bothale	Bhuvan-Earth Visualization, Disaster Services and Crowd Sourcing	vinod_bothale@nrs.gov.in	National Remote Sensing Centre (NRSC), Hyderabad, India
G Srinivasa Rao	Disaster Management Support Programme of ISRO/ DOS	srinivasarao_g@nrs.gov.in	The Indian Space Research Organisation, Hyderabad, India
P Manjusree	Satellite Based Monitoring of the Jhelum Floods & Cyclone Hudhud Disasters 2014	manjusree_p@nrs.gov.in	The Indian Space Research Organisation, Hyderabad, India

SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
<b>SESSION CHAIR</b>			
Sanjukta Bhaduri (Chair)	Urban Spatial Planning and Disaster Management	c.vaidya@spa.ac.in	School of Planning & Architecture, New Delhi, India
<b>SPEAKERS</b>			
Sanjukta Bhaduri	A Planning approach for Disaster Reduction in Cities	sanjukta.bhaduri@gmail.com, s.bhaduri@spa.ac.in	School of Planning & Architecture, New Delhi, India
Bipasha Kumar	Dynamics of Disaster Risk In Urban Villages of Delhi	bipasha_kumar@yahoo.co.in	School of Architecture and Planning, New Delhi, India
Ranjini Mukherjee	Role of Land Use Zoning, Building Regulations, Development Control Regulations and Master Plans/Development Plans in reducing disaster risks	mukherjeeranji@gmail.com	Consultant, UNDP, India
Hans Wason	Earthquake Loss Estimation for Shillong City	wason2009@gmail.com	IIT Roorkee, India
<b>SESSION CHAIR</b>			
Andrew E. Collins	Appropriate Development Practices as the Route to Disaster Risk Reduction	andrew.collins@northumbria.ac.uk	Disaster and Development Network / Department of Geography Faculty of Engineering and Environment Northumbria University, UK
<b>SPEAKERS</b>			
Andrew E. Collins	A Frank Look at Interdependent Development, Disaster Reduction and Global Justice	andrew.collins@northumbria.ac.uk	Disaster and Development Network / Department of Geography Faculty of Engineering and Environment Northumbria University, UK
Manas Chatterji	Sustainable Growth and Disaster Management	mchatter@binghamton.edu	State University of New York at Binghamton USA
Subir Sen	Disaster Risk Reduction in India: An Assessment of Proposal Under the State Action Plan on Climate Change (SAPCC)	subir.econ@gmail.com	IIT Roorkee, India
B.Misra	A Systemic approach to IDRiMResponse Governance: Methodological search for Interface between Top-down and Bottom-up processes	bijayanand.misra@gmail.com	The International Society for Integrated Disaster Risk Management, IDRiM, Austria
Takara Kaoru	Disaster Risk: Interpretation of two Japanese Episodes	takara.kaoru.7v@kyoto-u.ac.jp	Kyoto University, Japan
Bob Alexander	All About the Case' (Studies): Approaches to Music for Risk Reduction	bfootbob@hotmail.com	Independent, Ethiopia
<b>OPEN SESSION</b>			
Vineet K Gahalaut		vkgahalaut@yahoo.com	National Geophysical Research Institute (NGRI), Hyderabad, India

SESSION CHAIR	TITLE	E-MAIL	AFFILIATION
<b>SPEAKERS</b>			
Sreekesh S	Constraints for Probabilistic Hazard Assessment for Indian Region	sreekesh@mail.jnu.ac.in	Jawaharlal Nehru University, New Delhi, India
Shosuke Sato	An Evaluation of Tsunami Tradition Media for Human Casualties Reduction - Case of Iwate and Miyagi Prefectures on the 2011 Great East Japan Earthquake and Tsunami	ssato@irides.tohoku.ac.jp	Tohoku University, Japan
Mohammad Zolfaghari	Development of Regional Earthquake Loss Model for the Middle East	mzolfaghari@catrisks.com	KNT University of Technology, Iran
Anil Gupta	Harmonizing Policy Frameworks to Operationalize Sendai Framework at Sub-national and Local Level	envirosafe2007@gmail.com	National Institute of Disaster Management, New Delhi, India
Kh. Mohon Singh	Geotechnical studies on one active Landslide at Sibilong (Nung Dolan), NH-37, Manipur	khurajammon@yahoo.co.in	Imphal College, Manipur, India
Mukesh Petshali	Evaluation of Liquefaction Resistance Using Different Methods for Disaster Mitigation	mukeshpetshali@gmail.com	IIT Roorkee, India
<b>SESSION CHAIR</b>			
Nagendra Naithani	Technology and Disaster	npnaithani97@gmail.com	HNB Garhwal University Srinagar, India
<b>SPEAKERS</b>			
Nagendra Naithani	Natural and Man Made Disasters: A Case Study in a Part of Uttarkashi District Garhwal Himalaya Uttarakhand	npnaithani97@gmail.com	HNB Garhwal University ,Srinagar, India
Mala Bhatt	Impact of the Tehri Dam Reservoir on the Slope stability around Reservoir Rim area	mihir@aidmi.org	HNB Garhwal University ,Srinagar, India
Tetsuya Torayashiki	Study on Reinforcement of Interconnection Lines Between Areas Where Electric Power Supply Restriction is Assumed by Huge Earthquakes	torayashiki@irides.tohoku.ac.jp	Tohoku University, Japan
Shingo Nagamatsu	Cost-Benefit Analysis of the Decontamination Policy in Fukushima, Japan	nagamatu@kansai-u.ac.jp	Kansai University, Japan
Sandeep Baruah	Radio Based Approach for Disaster Risk Reduction and Management Using Automatic Packet Reporting System and Ham Radio (Amateur Radio) Digital Communication Technologies	sandeep@vigyanprasar.gov.in	Vigyan Prasar,, New Delhi, India
<b>POSTER YSS</b>			
Kazuhiko Marui	Estimation of the Value of the Moral Damages of Residents in the Non-Mandatory Evacuation Area of the 2011 Nuclear Power Plant Accident of Fukushima	k447375@kansai-u.ac.jp	Kansai University Osaka, Japan
Xu Yang, Peijun Shi, Fan Liu and Shao Sun	Analysis of the Spatiotemporal Relationship Between Flood Frequency and Climate Change of the World	yangxu8@mail.bnu.edu.cn	Beijing Normal University, China
Yogesh Sherki	Real Time Earthquake Hypocenter Location Tracking by Using Single Sensor	sherki.yogesh045@gmail.com	Veer mata Jijabai Technological Institute, Mumbai, India
Ali Akbar Ramezannejad, Mahdi Bitarafan and Hadi Shahpar	Evaluation of Quantitative Methods of General Structural Damage Index in Earthquake Condition, Using AHP Method	ali.ramezannejad@gmail.com	Kharazmi University, Iran
Shahin Lale Arefi, Amir Mahmoudzadeh, Mahdi Bitarafan Jalal Nakhaei	Scenario of Damage Caused by Earthquake in Urban Water and Wastewater Supply System	sharefi@uma.ac.ir	University of Mohaghegh Ardabili, Iran

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Aryendra Bharadwaj and Ajay Sinha	Study of Seismic Vulnerability of Bihar to Himalayan Earthquake	aryendra9@gmail.com	National Institute of Technology, Patna, India
Saket Kumar and Ajay Sinha	The Economic Consequences of Earthquakes	saketkumar0@gmail.com	National Institute of Technology, Patna, India
Mitesh Surana and Yogendra Singh	Building Typologies Existing in Indian Himalayas: A Field Survey	mitesh.bana@gmail.com	IIT Roorkee, India
Prashant Srivastava and Shishir Sinha	Utilization of the Municipal Waste as a Reinforced Polymer Composites	prashant97iitr@gmail.com	IIT Roorkee, India
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Amit Goyal, Er., Pankaj Agarwal	Seismic Performance Evaluation of Innovative Interlocked Concrete Block Masonry System with Energy Dissipator Visco-Elastic Links	amitgoyalamit23@gmail.com	IIT Roorkee, India
Abhishek Kumar	Intuitional Capacity Assessment: An Inherent Approach for Disaster Management	abhiin001@gmail.com	IIT Roorkee, India
Sameer Deshkar, Anjali Manandhar	Vulnerability Reduction and Building Resilience in Urban Historic Core: Lessons From Kathmandu, Nepal	smdeshkar@arc.vnit.ac.in	Visvesvaraya National Institute of Technology, Nagpur, India
Nishtha Saraswat	Performance Based Design of Earth and Embankment Dams in Seismic Zone	nishtha.sar@gmail.com	IIT Roorkee, India
Sadi Ghaderi and Amir Mahmoudzadeh	The Vulnerability of Golpayegan City to Natural Hazards, Challenges and Solutions	sadi.ghaderi@gmail.com	Shakhes Pajouh University, Iran
Ranjit Das, Hans Wason, Vijay Kumar	Comparison of Regression Procedures for Japan Earthquake Magnitudes	ran_tu2006@rediffmail.com	IIT Roorkee, India
Ramachandra Gollar and Satyabrata Choudhury	Seismic Vulnerability Study of School Buildings At Silchar Town	chandragollar@gmail.com	National Institute of Technology Silchar, India
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Sameer Deshkar and Shruthi Dakey	Planning for Climate Resilient Coastal Cities A Case of Kakinada, India	smdeshkar@arc.vnit.ac.in	Visvesvaraya National Institute of Technology, Nagpur, India
Rajesh Shukla and Rahul Singh	Stability Analysis of Stem Wall Under Earthquake Loading	rps48deq@iitr.ac.in,gecshuk-larajesh@gmail.com	IIT Roorkee, India
Ankur Srivastava and Kamal Jain	Challenges of Data Analysis Technologies in Disaster Management	ankur.srivas7@gmail.com	IIT Roorkee, India
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