

IDRiM 2022 - The 12th International Conference of the International Society for the INTEGRATED DISASTER RISK MANAGEMENT - Hosted by Babeş-Bolyai University of Cluj-Napoca

EDT PDT EEST (Romania) IST JST Duration Please note that the program features only the name of the presenters of the studies. More detailed information can be found in the Book of Abstracts, that will be/is available on the conference website!

DAY 1 - 21 September																					
1:00 AM	22:00 20 Sept.	8:00	10:30	14:00	30 min	<p>Opening words</p> <p>Speakers: Prof. Daniel David, Rector of Babeş-Bolyai University Prof. Ana Maria Cruz, President of IDRIM Prof. Alexandru Ozunu, Director of ISUMADECIP</p>															
1:30 AM	22:30 20 Sept.	8:30	11:00	14:30	30 min	<p>Keynote speaker Dr. Raed Arafat</p> <p>Dealing with pandemics – Romanian Outbreak Response Framework in Covid-19 context</p> <p>Chair: Alexandru Ozunu</p>															
2:00 AM	23:00 20 Sept.	9:00	11:30	15:00	10 min	Break															
2:10 AM	23:10 20 Sept.	9:10	11:40	15:10	120 min	<table border="1"> <thead> <tr> <th>Topic Session 1</th> <th>Topic Session 2</th> <th>Special Session 1</th> <th>Special session 2</th> <th>Special Session 3</th> </tr> </thead> <tbody> <tr> <td>Climate change adaptation</td> <td>Reducing social, economic and environmental vulnerabilities</td> <td>Disaster Mitigation and Earth Observations: The European Plate Observation System (EPOS) perspective</td> <td>Resilience and risk management dialogue among stakeholders for science-informed resilience planning in the Himalayan mountains</td> <td>Prevention of forest and urban fire disasters</td> </tr> <tr> <td>Chair: Abiodun Ogundeji</td> <td>Chair: Miranda Dandoulaki</td> <td>Chair: Constantin Ionescu</td> <td>Chair: Mahua Mukherjee</td> <td>Chair: Agoston Restas Co-chair: Pekka Tiainen</td> </tr> </tbody> </table>	Topic Session 1	Topic Session 2	Special Session 1	Special session 2	Special Session 3	Climate change adaptation	Reducing social, economic and environmental vulnerabilities	Disaster Mitigation and Earth Observations: The European Plate Observation System (EPOS) perspective	Resilience and risk management dialogue among stakeholders for science-informed resilience planning in the Himalayan mountains	Prevention of forest and urban fire disasters	Chair: Abiodun Ogundeji	Chair: Miranda Dandoulaki	Chair: Constantin Ionescu	Chair: Mahua Mukherjee	Chair: Agoston Restas Co-chair: Pekka Tiainen
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<p>1. Akhil Charak - A review of various climate change exacerbated natural hazards in India and consequential socioeconomic vulnerabilities.</p> <p>2. Simona Andrei - ACCuReSy Project - a new insight on aerosol-cloud interactions within convective environment</p> <p>3. Mark Ashley Parry - British Cognizance of Climate Change</p> <p>4. Hirokazu Tatano - Designing Climate Change Adaptation Strategies in Coastal Cities at Storm Surge Risks: A case study in Osaka Bay, Japan</p>	<p>1. Dimiter Velez: A vulnerability analysis of business to climate-related hazards</p> <p>2. Bijay Anand Misra: Does the International DRR research and practice fulfil global demands and necessities? : A critique, lessons and challenges of climate change, global pandemic and the heightened conflict environment.</p> <p>3. Subhakanta Mohapatra: Resilience to Cyclone Vulnerability in Coastal Odisha: Issues and Challenges for Sustainable Development</p> <p>4. Richard Kotter: Beyond technical challenges: field-based water filtration humanitarian interventions in South East Asia</p> <p>5. Bruno Oliveira: Urban Resilience Index: Case study of six global cities within the RECREATE project</p> <p>6. Maki Koyama: Community Disaster Prevention Planning System and Its Utilization in Japan</p>	<p>1. Petya Trifonova: Earth observation capacity of the National Geoinformation Center of Bulgaria as part of the tools for geo- and anthropogenic-hazard management in EPOS</p> <p>2. Dragos Tataru: Facilitating disaster management support through the integrated use of research data, products, and services</p> <p>3. Bogdan Grecu: PREVENT platform - towards integrated building monitoring for seismic risk mitigation</p> <p>4. Craiu Andreea Ani Gabriela: EPOS-RO - a multidisciplinary National Research Infrastructure</p> <p>5. Anca Isac: Severe Geomagnetic Storm-a new Natural Hazard of the Technological Era</p> <p>6. Magdalena Naparus-Aljancic: Advances in research at EPOS Slovenia: the establishment of the new SLO KARST NFO site</p>	<p>1. Mahua Mukherjee</p> <p>2. Yunus Ali Pulpadan</p> <p>3. Andrew Collins</p> <p>4. Aditi Mukherji</p> <p>5. Roopam Shukla: Vulnerability assessment for mountain socio-ecological systems</p> <p>6. Shivani Chouhan: Multi-hazard risk assessment framework in the Himalayan region</p> <p>7. Tahmina Yasmin: Inclusiveness in designing early warning system for flood resilience</p> <p>8. Ashrika Sharma: Exploring the Scope of Public Participation within Nepal's Disaster Governance</p>	<p>1. Pekka Tiainen: State of the art in forest fire preparedness and response at European level. Challenges and differences.</p> <p>2. Viktória Finta: Firefighters' Safety in Radiological Emergency</p> <p>3. Agoston Restas: Advantages of tactical drone application during wildfire management</p> <p>4. Gergő Érces: Fire protection of smart cities in terms of urban planning</p> <p>5. Mark Kovacs: Environmental Aspects of the Active Fire Protection System's Installation and Maintenance for Sustainable Development</p> <p>6. László Bodnár: New challenge of wildfires in Hungary - Fires at Wildland - urban interface</p>																	
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<p>1. Yasuhide Okuyama - Models for Impact Analysis of Disasters: Recent Advancements and Future Opportunities</p> <p>2. Yohei Chiba: Increasing Resilience of Japanese Companies to Address Multi-Hazards</p> <p>3. Dacia Crina Petrescu - Environmental Cues In Consumers' Food Quality Evaluation</p> <p>4. Ildiko Tulbure - Provoking Humanity Approach of Moving to Space</p> <p>5. Philippe Burny - The Use Of Digital Tools Can Reduce The Environmental And Economic Risks In Agriculture: The Case Of Wallonia</p> <p>6. Muneta Yokomatsu - A Growth Model of Natural Hazard and Distribution: Focusing on Liquidity and Human Capital Investment</p>	<p>1. Ryosuke Aota - Consideration on Japan's COVID-19 Countermeasures</p> <p>2. Hiroaki Daimon - Trust is the Secret Ingredient: A Comparative Analysis of the Differences in How Small Organizations Adapted to the COVID-19 Pandemic in Japan and the United States of America</p> <p>3. Andries Jordaan - Review of the disaster management institutional arrangements and coordination modalities for the COVID-19 response at national, provincial and local levels: March to December 2020</p> <p>4. Andries Jordaan - Review of the functionality and efficiency of disaster management institutional arrangements and coordination modalities for the COVID-19 response at national, provincial and local levels in South Africa: March to December 2020</p> <p>5. Alice Ncube: Towards sustainable resilience: The gendered Covid-19 impact on African migrants' livelihoods in South Africa</p>	<p>1. Andrei Radovici : National analysis of territorial compatibility in the vicinity of hazmats transport routes</p> <p>2. Areti Plessa : Rising awareness for low probability - high consequences hazards: The case of tsunamis in Greece</p> <p>3. Kei Hiroi : ICT System Risk Analysis of IoT based Monitoring</p> <p>4. Lee Miles: The Role and Timing of Meta-Leadership' An Analysis of November 2021 Wellington Fuel Tanker Incident in Sierra Leone</p>	<p>1. Xiaolong Luo: A General Framework on Assessing the Natech Risk Under a Changing Climate</p> <p>2. Nicola Paltrinieri: The synergy of vegetation and meteorological conditions affecting the Norwegian power grid: an example of Natech risk influencing factor</p> <p>3. Elisabeth Kraussmann: The intricacies of Natech risk: Underlying risk factors</p> <p>4. Elena Petrova: Accidents with oil spills triggered by natural hazards</p> <p>5. George Karagiannakis: Natech risk drivers at process plants: a literature review</p> <p>Panel discussion:</p> <p>1. Ana Maria Cruz</p> <p>2. Fatma Lestari</p> <p>3. Nicola Paltrinieri</p> <p>4. Kalliopi Sapountzaki</p> <p>Facilitator: Miranda Dandoulaki</p>	<p>1. Irene Petraroli: Japan's Community Disaster Preparedness: Good practices and gaps</p> <p>2. Funda Atun: Are migrants (in)visible victims of disasters? A study with Turkish migrants in Italy</p> <p>3. Ashley Allen: Using memory work to develop an inclusive framework for disaster resilience</p> <p>4. Marina Hamidzada: Risk Communication and Risk Management of Chemical and Natech Hazards in Turkey: The role of women in complex disasters</p> <p>5. Andre Samberg - A Framework for Assessing Complex Disruptions and Mixed Challenges for the Global Supply Chains During Post-Covid-19 and the War in Ukraine 2022</p>																	
6:20 AM	3:20 AM	13:20	15:50	19:20	10 min	Break															

		Topic session 6			Special session 6		Special session 7	
		Disaster risk governance (with a special focus on Central and South-Eastern Europe)			Macro-regional approach for disaster management in the Danube River Region		New advances in Multi-Hazard and Multi-Risk Analysis and Management	
		Chair: Gavrilescu Maria			Chair: Rob Testelmans		Chair: Stefan Hochrainer-Stigler	
6:30 AM	3:30 AM	13:30	16:00	19:30	120 min	<ul style="list-style-type: none"> 1. Joanne Bayer: Governance for wicked disaster policy issues 2. Eric Barbay: Collective intelligence experience in crisis management 3. Dogeanu Marius: How to face the unthinkable? A case study of resilience from the perspective of civil protection in Romania 4. Dragos Tataru: Romanian contribution to enhancing disaster management through an interdisciplinary multi-hazard European Partnership 	<ul style="list-style-type: none"> 1. Zsolt Kelemen: Volunteering in disaster management - insights into macro-regional approaches from the Danube River and Baltic Sea Region 2. Taina Hanhikoski 	<ul style="list-style-type: none"> 1. Stefan Hochrainer-Stigler: Challenges of Instruments that should tackle Multi-Hazard and Multi-Risk Situations: An Assessment of the Recent Reforms of the European Solidarity Fund 2. Robert Sakic Trogrlic: From single to multi- and systemic risk assessment a management: six steps MYRIAD-EU framework 3. Julius Schlumberger: Towards a Disaster Risk Management pathways framework for complex and dynamic multi-risk 4. Roxana Ciurean : Building consensus on multi-hazard, multi-risk terminology and concepts: initial findings from the MYRIAD-EU project 5. Alessia Matanó: The dynamics of risk during drought to flood events
8:30 AM	5:30 AM	15:30	18:00	21:30	10 min	Break		
8:40 AM	5:40 AM	15:40	18:10	21:40	30 min	<p align="center">Keynote speaker Dr. Stephane Hallegatte</p> <p align="center">Prioritization of disaster risk management investments: connecting to broader policy goals</p> <p align="center">Chair: Hirokazu Tatano</p>		
9:10 AM	6:10 AM	16:10	18:40	22:10	10 min	Break		
9:20 AM	6:20 AM	16:20	18:50	22:20	40 min	<p align="center">Special session 8 - Starts at 22:20 JST</p> <p align="center">Implementation Gaps Are Persistent Phenomena In Disaster Risk Management: Can They Guide The Development Of An Implementation Science?</p> <p align="center">Starts at 22:20 JST</p>		
		Topic session 7			Chair: Norio Okada			
		Economic impacts of disasters			Norio Okada			
		Chair: Manas Chatterji			Robert Goble			
					Guoyi Han			
10:00 AM	7:00 AM	17:00	19:30	23:00	120 min	<ul style="list-style-type: none"> 1. Adam Rose - Behavioral Economic Consequences of Disasters: A Basis for Inclusion in Benefit-Cost Analysis 2. Juan Machado - The Impact of COVID-19 Fiscal Stimulus on the U.S. Economic Recovery 3. Mahmood Hosseini - The Role of Business Syndicates in Capacity Building for Earthquake Disaster Management 4. Huan Liu - Estimating production capacity loss rate in industrial sectors after disasters: A case study of 2016 Kumamoto Earthquakes 5. Philippe Burny - The war between Russia and Ukraine hardly impacts the world agricultural markets 	<ul style="list-style-type: none"> Ana Maria Cruz Miranda Dandoulaki Ilan Chabay Yoshiyuki Yama 	

Day 2: 22 September

						Topic session 8 - Part I	Special session 9	Special session 10		
						Risk communication and risk perception studies	Minority communities in DRR	A Resilience Approach for Systemic Challenges in SDGs: Addressing Missing Links in Natural-Human-Social Systems and Macro-Micro Levels	Special session 11 starts at: 16:00 (JST) 10:00 (EEST) 12:30 (IST)	
						Chair: Monika Meltzer	Chair: Hitomu Kotani	Chair: Mika Shimizu	Duration: 60 min	
2:00 AM	23:00 21 Sept.	9:00	11:30	15:00	120 min	<p>1. Sarra Kasri: How do governance models influence risk prevention? The case of Saint Martin (Sint Marteen) Island</p> <p>2. Irene Petraroli: TBD</p> <p>3. Adrian Aguilar: xploring Albayanos Narratives on Disaster: A Sociocultural Study on Disaster Risk Communication</p> <p>4. Vicente Sandoval: Integrated (and Systemic) Disaster Risk Management from an International Perspective: Ideas for Indicators and Progress</p> <p>5. Katarina Hollá - Potential of Using mixed reality in the teaching of Crisis Management Professionals, Rescue Services and Students</p> <p>6. Monika Meltzer: Exploring common themes of risk-communication-related messages posted on Facebook: a Romanian case study</p>	<p>1. Mari Tamura: Mosque as a COVID-19 vaccination site for ethnic minorities: A Case Study in Kanagawa, Japan</p> <p>2. Hitomu Kotani: Potential of mosques to serve as evacuation shelters for foreign Muslims during disasters: A case study in Gunma, Japan</p> <p>3. Yusuke Katsura: Disaster Response of two Mosques in Osaka, Japan</p>	<p>1. Mika Shimizu</p> <p>2. Ilan Chabay</p> <p>3. Norio Okada</p> <p>4. Hidenori Nakamura</p>	<p>Special session 11</p> <p>Community Participation in Disaster Risk Reduction worldwide: Emic and Etic Perspectives</p> <p>Chair : Subhajyoti Samaddar Co-chair: Kaori Kitagawa</p> <p>1. Kaori Kitagawa : Widening community participation in preparing for climate-related disasters</p> <p>2. Yoshiyuki Yama</p> <p>3. Subhajyoti Samaddar</p> <p>4. Bushra Shahriar</p> <p>5. Uttam kumar Roy</p>	
4:00 AM	1:00 AM	11:00	13:30	17:00	10 min	Break				
Young Scientist session										
						Group IChair: Mark-Ashley Parry	Group IIChair: Muneta Yokomatsu	Group IIIChair: Dimitrios Tzioutzios	Group IVChair: Lucrina Stefanescu	
4:10 AM	1:10 AM	11:10	13:40	17:10	100 min	<p>1. Padmanav Pallavi: Perception of Fishers' community on Risks of Climate Change and Environmental degradation on coastal Ecosystem services and products: A case study on Mumbai, India</p> <p>2. Chanthingla Horam: Climate change and risk perception and adaptation decisions in response to climate variability of Himalayan indigenous farmers in Manipur, India.</p> <p>3. Aki Kogachi: Understanding the linkage between climate security and development challenges in Africa borderland community through the application of Sustainable Livelihood approach</p> <p>4. Josep Pastrana Huguet: A case study of mitigation of the effects of climate change in coastal areas: The Strategy for the Protection of the Coast in the Balearic Islands</p> <p>5. Ionut-Alexandru Spanu: A Comparative View of Agri-Environmental Indicators and Stakeholders' Assessment of Their Quality</p> <p>6. Deepak Rawat: Landslide Early Warning System for North-West Himalayas: Scope and Approach</p> <p>7. Alexandru Mereuta: Earth observations as support tools for disaster response</p>	<p>1. Yuan Fang: Assessment of Economic Loss Ripple Effect Caused by Disaster Considering Industry Adaptability</p> <p>2. Ruiying Jia: Assessing Economic Ripple Effect of Flood Disasters Considering Recovery Process : Insights from An Agent-Based Model Approach</p> <p>3. Yan Liu: Updating survival analysis parameters of enterprise recovery based on Bayesian methods and latest field survey data</p> <p>4. Xinge Wang: Assessment of ripple effect based on SCGE model considering transportation network disruption--A case study on flood disaster in Hubei Province</p> <p>5. Xiaotong Wang: Study on economic loss and recovery of flood disaster considering government subsidy policy - Insights from an agent-based model</p> <p>6. Siriporn Darnkachatarn: Long-term Changes in Flood Risks in the Industrial Sector in the Bangkok Metropolitan Region, Thailand</p>	<p>1. Yasutaka Ozaki: Citizens' Social Participation to Implement SDGs Future Cities of Japan : A Review and Challenges</p> <p>2. Satomi Tsukagoshi: A Conceptual Model of Ideological Transition Under the COVID-19 Pandemic</p> <p>3. Hiromi Katsui: Disaster risk reduction role of local government of Nepal after federalism was introduced</p> <p>4. Brazao Mendes Mario Domingos Making Community-based Early Warning System Work: A Case Study of CBEWS for Flood Management along Licungo River Basin, in Mozambique.</p> <p>5. Ramona Leordean: Risk communication and risk perception studies and strategies</p> <p>6. Valeria Pop-Bob: The role of the media in shaping people's risk perception of microplastics</p> <p>7. Lina Parra: Landslide-Triggered Natech on Oil and Gas Transmission Pipelines in Colombia: Identification and Analysis of Past Events</p>	<p>1. Debkalpa Basudas: Creating Awareness on Eco-feminism through Theatre at a Village in Purulia District of West Bengal, India</p> <p>2. Mahek Kotecha: Interlinking Lakes: Decision support tool for sustainable lake ecosystem in Ahmedabad, India</p> <p>3. D.H.M.K.S. Thalgaskotuwa: Heterogeneity of pre-disaster residential location choices problem: Do survivors need more time or incentives?</p> <p>4. Nombulelo Kitsepile Ngulube: Citizen Engagement in Post-Disaster Recovery and Reconstruction. Lessons from Kamaishi: Unosumai, 11 years after the Great East Japan Earthquake. A community perspective</p> <p>5. Victor Pérez-Segura: Analysis and Construction of Social Vulnerability Indexes for the 5 Most Severe Natural Disasters in Spain in 2021.</p> <p>6. Shono Fujita: Collapsed Building Detection Using Multiple Object Tracking from Aerial Videos and Analysis of Effective Filming Techniques of Drones</p>	
5:50 AM	2:50 AM	12:50	15:20	18:50	10 min	<p>8. Irankunda Elisephane: AERMOD and ISCST3 Air Dispersion Model: Comparison between Modelling Results and In-Situ Monitoring Data for PM10 Pollutant: Study Case, Closed Moldova Nouă Tailing Pond, Romania</p> <p>9. Alberto Fresolone: A model-based policy exercise to examine climate migration policy in Europe</p> <p>10. Satoki Masuda: Evacuation choice modeling using reinforcement learning based on the multi-armed bandit problem</p> <p>11. Haris Rahadianto: Formulating Evacuation Plans under the Cascading Impacts of Volcanic Ash Hazards in Large Eruptions</p> <p>12. Jeffrey De Vries: Assessing Potential Disruptions From Earthquakes In The Historical Peninsula In Istanbul Using 3d Modelling</p>	<p>7. Koki Eguchi: Estimation of Road Restoration Function Based on Road Regulation Data:A Case Study of Torrential Rain in Japan in 2018</p> <p>8. Xinyi Lei: Assessment of economic impact of Hubei province under the dual background of flood and COVID-19:an integration of econometrics survey and Mixed-MRIO modeling</p> <p>9. Chen Han: Research on the impact of the Covid-19 on investor confidence</p> <p>10. Ariyaningsih Ariyaningsih: Integrating Local Adaptation to City Planning System : Case Study on Flooding and Covid-19 Spread</p> <p>11. Cristina Savu: Job performance through work engagement of healthcare professionals under COVID-19 pandemic conditions. Case study: Romania</p>	<p>8. Namulun Borjigin: Managers' motivation in protecting supply chain disruptions from flood-related Natech accidents: the case of the chemical industry in Colombia</p> <p>9. Sirri Akongnwi Neba Nforsoh: High impact-low probability, black swan events and Natech (technological accidents triggered by natural hazards) risk assessments in the process industries (case study: a refinery in Romania).</p> <p>10. Deepti Kumari Dwivedi: Dhauliganga, Uttarakhand, India Coalescent Natural Disaster: A Geo-informatics Perspective</p> <p>11. Yiwen Pan: Risk Management or Emergency Management, how to make the decision in Natech scenario: Lessons learned from the Baijiu spill caused by the Luxian Earthquake</p> <p>12. Su Song: Developing a methodology to determine oil pipeline failure probability due to debris flow impact</p>	<p>7. Trevor Girard Girard: Entry points for operationalizing pathways toward integrated disaster risk management</p> <p>8. Chrioni Tshiswaka Tshilumba: Unlocking Urban Resilience Finance in Fragile And Conflicts - Affected Countries: "Understanding Compound Risk Context Of Goma City By Extending Pressure And Release Model</p> <p>9. Mai Zhang: A Study of Mutual Assistance System among Local Governments to Cope with large-scale Disasters in Japan</p> <p>10. Collins Muhame: Integrating disaster risk reduction within areas beyond the urban edge and the peri-urban area. Khayalitsha in-situ informal settlement upgrading case study; South Africa.</p> <p>11. Tlou Raphela: Evaluating the resilience of hospitals during COVID-19 pandemic</p> <p>12. Guribusutan Kinugawa: Statistical comparison of extreme natural disaster events in various countries</p>	
Break										

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6:00 AM	3:00 AM	13:00	15:30	19:00	60 min	<p>Young Scientist Interactive Session</p> <p>Individual Breakout rooms</p> <p>Chair: Subhajyoti Samaddar</p> <ol style="list-style-type: none"> Akiyoshi Takagi: Analysis of evacuation behavior using eXplainable AI (XAI) Maiku Abe: Trial of information visualization methods for disaster recovery policy-making of livestock diseases Rose Noggle: Developing a Spatial Decision Support Tool for Planning Tsunami Evacuation Shelter Locations Tai-Young Yi: Method of developing human resources to support disaster prevention activities in local communities Tatsuya Sugimoto: Long-term changes in the spatial distribution of economic activity due to increased flood risk Yasamin O. Izadkhan: Exploring the Cultural Barriers Facing Women in Disasters Yoshinobu Mizui: Analysis of Disaster Volunteer Workload Considering Damage Classification in Flood Damage Cristina Modoi: Environmental impact and health hazards generated by electronic waste in Romania Yongbin Bao: The pine caterpillars (<i>Dendrolimus spp.</i>), a forest pest susceptibility assessment and analysis for Shandong Province, China: a multivariate model Kerekes Zsuzsanna: The effect of textiles as a fire nest on building fires in high-rise buildings. 						
7:00 AM	4:00 AM	14:00	16:30	20:00	10 min	Break						
7:10	4:10	14:10	16:40	20:10	30 min	<p>Keynote speaker Dr. Fumihiko Inagaki</p> <p>Practitioner's Challenge to Overcome Disasters and Continue to Create Livable Communities -Creating an open community through interaction with the outside and supporting human resource development</p> <p>Chair: Norio Okada</p>						
7:40 AM	4:40 AM	14:40	17:10	20:40	20 min	Break						
8:00 AM	5:00 AM	15:00	17:30	21:00	60 min	IDRiM General Assembly						
9:00 AM	6:00 AM	16:00	18:30	22:00	30 min	<p>Keynote speaker Prof. Igor Linkov</p> <p>Role of Science and Scientists in addressing Resilience and Efficiency in Post-COVID Societies</p> <p>Chair: Ana Maria Cruz</p>						
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9:30 AM	6:30 AM	16:30	19:00	22:30	120 min	<table border="1"> <tbody> <tr> <td> <ol style="list-style-type: none"> Chandana Sanyal: Adapting Management Learning and Teaching on an MBA programme during Covid 19: A pedagogical and paradigm shift? Madhumita Chatterji: Curriculum Development and Delivery Design with reference to Covid 19 and Management Education Bijayanand Misra: The Importance of Risk Governance and Resilience: Building In DRR With Special Reference To Covid 19 And Management Education Manas Chatterji: Disaster Management and Developing Countries & COVID-19 </td> <td> <ol style="list-style-type: none"> Yoshiyuki Yama Norio Okada Masafumi Onishi Ching-Yuen Shinji Kajitani </td> </tr> </tbody> </table>	<ol style="list-style-type: none"> Chandana Sanyal: Adapting Management Learning and Teaching on an MBA programme during Covid 19: A pedagogical and paradigm shift? Madhumita Chatterji: Curriculum Development and Delivery Design with reference to Covid 19 and Management Education Bijayanand Misra: The Importance of Risk Governance and Resilience: Building In DRR With Special Reference To Covid 19 And Management Education Manas Chatterji: Disaster Management and Developing Countries & COVID-19 	<ol style="list-style-type: none"> Yoshiyuki Yama Norio Okada Masafumi Onishi Ching-Yuen Shinji Kajitani 				
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Day 3 - 23 September

		Topic session 8 - Part II		Topic session 9		Special session 14					
		Risk communication and risk perception studies		Critical infrastructure protection against disasters		Spatial and Temporal Correlation in Disaster Risk Assessment: Challenges between Geographic and Economic perspectives					
		Chair: Katsuya Yamori		Chair: Hirokazu Tatano		Chair: Xinyu Jiang and Qian Ye					
20:00 22 Sept.	17:00 PM 22 Sept.	3:00	5:30	9:00	120 min	<p>1. Yoko Saito : A comparative study on cooperation system between the government and volunteer organizations in times of disaster in Italy and Japan</p> <p>2. Dimitrios Tzioutzios : Developing and Evaluating a Serious Game for Risk Awareness and Information Disclosure about Natech Risks</p> <p>3. Hideyuki Shiroshita : What language do experts employ to facilitate community members' disasters preparedness?</p> <p>4. Yamori Katsuya : Integrating research on mitigation/preparedness and recovery/reconstruction from a narrative-theory perspective</p> <p>5. Ryohei Miyamae : Photograph of "lacuna:" the case of remembering and seeing unphotographed things in a tsunami-damaged photo</p>	<p>1. Yongsheng Yang - Agent-based modeling for societal impact estimation and countermeasure analysis due to infrastructure disruptions</p> <p>2. Lalith Maddegada - Seamless high resolution simulation of earthquake disasters and national economy</p> <p>3. Michinori Hatayama - Road Recovery Priority Assessment in Huge Disaster</p> <p>4. Kohin Hirano: Interactive WebGIS Tool for Immediate Estimation of Flood Inundation</p>	<p>1. Xinyu Jiang: Spatial and Temporal Correlation in Disaster Risk Assessment:Challenges between Geographic and Economic perspectives</p> <p>2. Lijiao Yang: A spatial computable general equilibrium model for the ripple effect of economic loss assessment of Hubei province in the early stage of COVID-19</p> <p>3. Zhengtao Zhang: Cumulative effect of global cross-boundary economic ripple loss of catastrophe cluster"</p> <p>4. Weijiang Li: Assessing disaster propagation and induced losses in industrial network: a fine-scale perspective</p> <p>5. Si Ha: Coastal Flood Risk Assessment in Osaka Bay under SSP-RCP Scenarios</p> <p>6. Jinglu Song: Geo-physical, socio-cultural, politico-institutional, and techno-economic context affect communities' resilience competency to disasters</p> <p>7. Ying Guo: Joint Analysis of Drought and Heat Events During Maize (Zea mays L.) Growth Periods Using Copula and Cloud Models: A Case Study of Songliao Plain</p>			
22:00 22. Sept.	19:00 22. Sept	5:00	7:30	11:00	10min	Break					
		Topic session 8 - Part III		Topic session 10		Topic session 11		Special session 15			
		Risk communication and risk perception studies (Part III)		Disaster education		Disaster risk management and early warning systems		Improving Disaster Risk Management Practice: Engagement - Activism			
		Chair: Yoko Matsuda		Chair: Hideyuki Shiroshita		Chair: James D. Goltz		Chair: Hamilton Bean			
22:10 22 Sept.	19:10 22 Sept	5:10	7:40	11:10	120 min	<p>1. Carlos Rodrigo Garibay Rubio : Could we use nontraditional indicators to estimate future pressures on mental health systems under disaster situations?</p> <p>2. Shoko Miyagawa : Pitfalls in Building a Disaster Relief Information System: An Example of Business Analysis of Private Sector Assistance</p> <p>3. Kiyomine Terumoto : Factors in tourism workers' perceptions of tourists' evacuation assistance</p> <p>4. Ryohei Nakatsu : The Effect of Art Content on Mental State Improvement: Insights for Disaster Situations</p> <p>5. Yoko Matsuda : Lessons learned in voluntary water level measurement: following the metaphor of anthropometry</p> <p>6. Bijay Anand Misra: Does the International DRR research and practice fulfil global demands and necessities? : A critique, lessons and challenges of climate change, global pandemic and the heightened conflict environment.</p>	<p>1. Mohammad Moinuddin - COVID-19 Crisis and the Higher Education Institutions Response to the Internationalization and Students' Mobility</p> <p>2. Kensuke Takenouchi - Long-Term Verification of Disaster Prevention Education: Based on the Case of Nakajima Elementary School in Ise City</p> <p>3. Genta Nakano - Cultural tuning of a disaster education tool: values, norms and procedures</p> <p>4. Hideyuki Shiroshita - Why did disaster education commence around 2000?</p> <p>5. Muhammed Sulfikkar Ahamed - Formulating risk informed school evaluation tool: A case study of Gandhinagar, India</p>	<p>1. Arunabh Mitra: A systemic risk view of disaster risk management</p> <p>2. Masamitsu Onishi - Designing the Collaborative Process between Residents and Experts for Risk Governance: A Case Study on the Construction of a Wide-Area Evacuation System for the Sakurajima Large-Scale Eruption</p> <p>3. Shakti P.C. - An assessment of quick flood inundation mapping product for better disaster management</p> <p>4. Takashi Sugiyama - Development of an Analysis Tool for Pre-evacuation Using Special Early Warning Information for Nankai Trough Earthquake</p> <p>5. Nobuhito Ohtsu - Pre-evacuation Times and Evacuation Behaviors of Vulnerable People during the Flood-triggered Factory Explosion as a Natech</p> <p>6. James D. Goltz: Operational Earthquake Forecasting and Planning for Response to "Special Early Warning Information" in the Nankai Region of Japan</p>	<p>1. Hamilton Bean</p> <p>2. Ana Maria Cruz</p> <p>3. Dimitrios Tzioutzios</p> <p>4. Mika Shimizu</p> <p>5. Robert Goble</p> <p>6. Subho Samaddar</p> <p>Topic: When should researchers seeking to affect change consider shifting from a strategy of engagement to a strategy of activism using vigorous public campaigning or other forms of advocacy?</p>		
00:10 23 Sept.	21:10 22 Sept.	7:10	9:40	13:10	10 min	Break					
00:20 23 Sept.	21:20 22 Sept.	7:20	9:50	13:20	30 min	Closing ceremony IDRIM award ceremony YSS award ceremony					