



AGENDA

Updated on: 6th December 2023 (8 PM)

Day 1 (7 December 2023)

Time (GMT+7)	Session	Speaker	Venue
08:30 - 09:00	Arrival and Registration		Lobby
09:00 - 09:15	Opening Session		RBB Auditorium
	Welcome Speech	Prof. Kazuo Yamamoto, AIT President	
	Welcome Remarks	Dr. Indrajit Pal, Chair of OC	
09:15 - 10:00	Opening Keynote		RBB Auditorium
	Keynote 1: Bridging the Gaps - Data, Technology and People at Risk	Dr. Sanjay Srivastava, UNESCAP, Thailand	
	Keynote 2: National Progress in Disaster Resilience and Sustainable Development: Lessons Learned from Thailand (TBC)	Dr. Bhichit Rattakul, Thai Network for Disaster Resilience, Thailand	
10:00 - 10:30	Coffee Break & Group Photo	Group photo in front of AIT Globe	Lobby
	Guest Remarks	Dr. Uyung Gatot S. Dinata, Andalas University, Indonesia	
	Guest Remarks	Dr. Aniruddha Dey, Climate Action Resources Network – Asia Pacific	
10:30 - 10:50	Guest Remarks	Dr. Dina C. Magnaye, School of Urban and Regional Planning, University of the Philippines	RBB Auditorium
	Guest Remarks	Dr. Tabassam Raza, PLANADES, Philippines	
10:50 - 12:00	Panel Discussion 1		RBB Auditorium
	Theme: Enhancing Resilience to Water Supply and Sanitation in the Context of Disasters and Emergencies: Challenges and Opportunities		
		Session Chair Ms. Isha Basyal, Global Water and Sanitation Center, Thailand	
		Session Co-Chair Mr. Hendra Gupta, Global Water and Sanitation Center, Thailand	
		Panelists	
		1. Ms. Aida Karazhanova, UNESCAP, Thailand	
		2. Ms. Pimvadee Keakiriya (Bern), IGES, Japan	
		3. Dr. Sizwile Khoza, Stockholm Environment Institute, Thailand	
		4. Mr. JK Singh, Asian Development Bank, Philippines	
		5. Mr. Prakash Raj Lamsal, UNICEF, Thailand	
		6. Prof. Thammarat Koottatep, Asian Institute of Technology, Thailand	
		Rapporteur Anil Kumar, Kullanan Sukwanchai	



12:00 - 13:00	Lunch Break	<i>Buffet Lunch served in the AITCC Dining Room</i>
13:00 - 15:00	PARALLEL THEMATIC SESSION - 1	
TS 1_1 Climate Change, Risk Reduction and Adaptation	<p>DRSD_2023_031: Impact of natural disasters on educational attainment in India: A panel data analysis (<i>Hussain Yasser Razak</i>)</p> <p>DRSD_2023_052: Compensation for Losses and Damages Caused by Climate Change: Challenges and Progress (<i>Pratik Poudel</i>)</p> <p>DRSD_2023_066: Investigating the effectiveness of trade policies as a potential mitigation tool: A cross-country empirical analysis (<i>Dhananjay Kumar Rai</i>)</p> <p>DRSD_2023_100: Determinants of Adolescents' Pro-sustainable Behavior: A Systematic Literature Review Using PRISMA (<i>Prakash C. Bhattarai</i>)</p> <p>DRSD_2023_128: Inequities in health-related quality of life among people living in the selected disaster-affected coastal areas of Ganges Brahmaputra delta in Bangladesh (<i>Md Zahid Hasan</i>)</p> <p>DRSD_2023_145: Understanding the Vulnerability of Climate Migrant Women: A case study on Railway slum of Khulna city (<i>Lopa Islam</i>)</p> <p>DRSD_2023_158: Socio-economic Risk Analysis; A Different Approaches of Social Adaptive Capacity Building in Chao Phraya River Basin, Thailand (<i>Thanakom Wongboontham</i>)</p> <p>DRSD_2023_209: Disaster and Climate Resilience in Quezon City: Evaluating Local Development Planning for Sustainable Development Goals (<i>Jade S. Agapinan</i>)</p> <p>DRSD_2023_216: Watershed Modeling with Statistical Downscaling of Climate Scenarios: A Case Study of Lahore City Using Climate Model data for hydrologic modeling (CMhyd) (<i>Shaker Mahmood Mayo</i>)</p> <p>DRSD_2023_219: Optimization of Hydrosol Liquid Waste Distillation of Essential Oil as Raw Material for Making Botanical Insecticides as Pest Control in Agriculture (<i>Eka Candra Lina</i>)</p>	
Venue TV Room (AITCC First Floor)		
Time 13:00 – 15:00		
Session Co-Chairs Prof. Rajendra Shrestha Prof. Nursyirwan Effendi		
Hall Coordinator Sreejita Banerjee		
Volunteers Pratik Poudel Lopa Islam Thanakom Wongboontham Neelay Srivastava		
TS 1_2 Remote Sensing and ICT Applications for Disaster Resilience - I	<p>DRSD_2023_034: Enablers for Adoption of Blockchain Technology for Disaster Management: A Grey Dematel Approach (<i>Smita Sharma</i>)</p> <p>DRSD_2023_057: Advancing Urban Flood Hazard Detection: A Look at Synthetic Aperture Radar and Machine Learning (<i>Abhinandita Kundu</i>)</p> <p>DRSD_2023_061: Influencers in Digitally Enhanced Disaster Risk Management and its Impact in SDGs Achievement in India: A Dematel approach (<i>Rosewine Joy</i>)</p> <p>DRSD_2023_064: Machine Learning Applications for Disaster Management: A Systematic Literature Review and Future Research Agenda (<i>Biplab Sarkar</i>)</p> <p>DRSD_2023_075: IoT for Smart Cities: An application Based Perspective (<i>Pramila Jakhar</i>)</p> <p>DRSD_2023_081: Proposal of a portable ICT system integrated with AI processing for enhancing disaster front-line operation (<i>Toshikazu Sakano</i>)</p> <p>DRSD_2023_092: Network Analysis of Resource Mapping for Fire Emergency Response : A Case Study of Phrakhanong District (<i>Kunch Ringrod</i>)</p> <p>DRSD_2023_144: Towards Pandemic Disaster Resilience: Measuring Spatial Infection Risk to Aid Reflexive Decision-making during Infectious Disease Outbreaks (<i>Bimal Puthuvayi</i>)</p>	
Venue B202 (AITCC First Floor)		
Time 13:00 – 15:00		
Session Co-Chairs Prof. Nitin K. Tripathi		
Hall Coordinator Deepali Mishra		
Volunteers Pham Phan Hong Danh Salman Khan Mr Nandanavanam VBSS Karthikeya		



DRSD_2023_191: Geospatial Insights for Disaster Resilience in Barcelona, Spain: Integrating Landsat 8 Remote Sensing, GIS, and Machine Learning to Monitor Air Pollution and Examine Its Impact on Mental Health (*Deepali Mishra*)

DRSD_2023_205: Trajectory model of tsunami evacuation in Padang (*Nada Safira*)

TS 1_3

Risk Reduction, Governance and Development - I

Venue

B206 (AITCC First Floor)

Time

13:00 – 15:00

Session Co-Chairs

Prof. Mokbul Morshed Ahmad
Dr. Basanta Raj Adhikari

Hall Coordinator

Annlouise Genevieve M. Castro

Volunteers

Md. Mahmudul Hasan
Sajedur Rahman
Sajjad Hasnain Md. Haikel

DRSD_2023_102: Building resilience with job skills: A case study of young craft producers (*Richan Shrestha*)

DRSD_2023_109: Tribal Food Security Assessment Index: A Study Of Vulnerable Indigenous People of Jharkhand, India. (*Ambika Prasad Gupta*)

DRSD_2023_137: Identifying Vital Spaces: Enhancing Disaster Risk Communication to Promote Community-based Disaster Risk Management in Panggarangan Village, Indonesia (*Sylviana Mirahayu Ifani*)

DRSD_2023_166: Private Sector Engagement for Community Resilience and Sustainable Development (*Mr. Kilian Murphy*)

DRSD_2023_173: Role of Microfinance on poverty reduction in the post-disaster scenario: a case study of Neelkantha Municipality, Nepal (*Shiva Raj Khanal*)

DRSD_2023_195: Enhancing Sustainability of Community-Based Flood Early Warning Systems (*Vijay Ratan Khadgi*)

DRSD_2023_198: Lesson Learned from Elementary School Pupils Evacuation Drill in Padang (*Yosritzal*)

DRSD_2023_206: The description of students' knowledge of earthquake disaster mitigation at the Faculty of Nursing, Universitas Andalas (*Elvi Oktarina*)

DRSD_2023_230: Engaging Youth in Flood Risk Management: A Citizen Science Geospatial Initiative in Bangladesh (*Sheikh Tahidul Islam*)

DRSD_2023_234: Resilience Starts Locally: Addressing Challenges and Enhancing Sustainability through Localization (*Aniruddha Dey*)

TS 1_4

Resilience of Urban, Built Environment, and Infrastructure - I

Venue

RBB Auditorium (AITCC Ground Floor)

Time

13:00 – 15:00

Session Co-Chairs

Prof. Mario D. Reyes
Dr. Malay Pramanik

Hall Coordinator

Anil Kumar

Volunteers

Jungang Luo
Muhammad Hammad
Nimanthie Manisha Herath

DRSD_2023_022: Enhancing Urban-Rural Coordination for Sustainable Water Management and disaster resilience: A Case Study of Water Scarcity in Kathmandu, Nepal (*Namita Poudel Bhurtel*)

DRSD_2023_027: A proposed method for assessing household level vulnerability to urban heat: A case study on informal settlements in Bangkok (*Theint Yee Soe*)

DRSD_2023_054: Community-University Cooperation for Post-disaster Housing Reconstruction: A Case of Puebla, Mexico (*Maria Isabel Perez Rodriguez*)

DRSD_2023_060: Blue-Green-Grey- Infrastructure (BGGI) for Flood Resilient Planning - A Scoping Study of Kochi City, Kerala, India (*Shyni Anilkumar*)

DRSD_2023_091: Pathways for facilitating voluntary compliance to safe building codes for disaster resilience: The case of the informal settlements in Bangladesh (*Mohammad Faruk*)

DRSD_2023_130: A Literature Review of Water Security Assessment Methods for Planning Critical Infrastructure (*Sanil Kumar*)



DRSD_2023_181: Exploring the Effects of Different Construction Standards in Fulfilling the Requirements of Building Codes: Towards Resilient Infrastructure Facilities (*Jungang Luo*)

DRSD_2023_193: From Disaster Risk to Ecotourism: The Youth Movement of Ampiang Parak Coastal Village, West Sumatera, Indonesia (*Rudi Febriamansyah*)

DRSD_2023_210: Evaluating the Efficacy of Sustainable Transportation Policies in Mitigating Climate Change in Metro Manila, Philippines: The Public Utility Vehicle Modernization Program (*Hannah Barbara Gonzalez*)

DRSD_2023_214: Evaluating Sustainable Surface Water Availability in Lahore City: Factors of Climate Change and Transboundary Diversions Taken into Account (*Carmelita R.E.U. Liwag*)

TS 1_5

Disaster and Climate Resilience in Coastal, Marine, and Deltaic Systems - I

Venue

B108 (AITCC Ground Floor)

Time

13:00 – 15:00

Session Co-Chairs

Dr. Md. Zakir Hossain
Dr. Vishal Narain

Hall Coordinator

Ratchaneekorn Thongthip

Volunteers

Md. Mahfuz Hossain
Md. Bakebillah
Hlaing Wint Lwin

DRSD_2023_035: Mitigation of inundation by cyclonic sea waves using modular lightweight curved seawall: Case study at Caudan Waterfront, Mauritius (*Abdel Isker Mudhawo*)

DRSD_2023_076: Invasive Alien Marine Species in Thailand (*Norakamon Thatphithakkul*)

DRSD_2023_082: Plastic Leakage Causing Marine Pollution issue in Thailand. (*Thorfan Dechachainimit*)

DRSD_2023_096: Sustainable solution for managing Plankton bloom in Thailand. (*Teerabhat Newachuen*)

DRSD_2023_135: Modelling of potential tsunami hazards and efforts to increase community capacity in the Trisik coastal area, Kulon Progo Regency, Indonesia (*Romza Fauzan Agniy*)

DRSD_2023_147: Urban Flood Impacts of Delta Socio-ecological Systems: A Case Study on Slum Populations in Dhaka, Bangladesh (*Md. Mahfuz Hossain*)

DRSD_2023_168: From Risk to Resilience: A Community Based Resilience Against Coastal Hazard, Case study in Tourism Village, Kuta Central Lombok (*Heni Marta Diana Matita Putti*)

DRSD_2023_200: Structural and Natural Based Solution in Beach Community Perceptions (*Abdul Hakam*)

DRSD_2023_202: Risk Analysis in Post-Disaster Health Management Failure in Padang City (*Taufika Ophiyandri*)

DRSD_2023_213: Communication Management in Coastal Abrasion Mitigation Based on Pentahelix Collaboration in West Sumatra (*Elita Amrina*)

15:00 - 15:30

Coffee Break

Engagement with poster presenters

Lobby

15:30 – 16:10

Keynote Session 2

Keynote 3: Living Deltas Hub: a global collaboration on understanding delta resilience to climate change

Prof. Andy Large, Newcastle University, UK

Keynote 4: Improving Climate Resilience via Nature-Based Solutions: lessons from the Chinese Sponge City Program (SCP)

Dr. Faith Chan, University of Nottingham Ningbo China, China

RBB Auditorium



16:10 – 17:20

Panel Discussion 2

Theme: Disaster and Climate Resilience in Delta and Coastal Systems: Trade-offs and Challenges

Session Chair

Prof. Mashfiqus Salehin, Bangladesh University of Engineering and Technology (BUET), Bangladesh

RBB**Auditorium****Panelists**

1. Prof. Tuhin Ghosh, Jadavpur University, India
2. Dr. Hue Le, Vietnam National University, Vietnam
3. Dr. Satish Prasad, Stockholm Environment Institute, Thailand
4. Dr. Iftekhar Ahmed, University of Newcastle, Australia
5. Prof. Abdul Hakam, Andalas University, Indonesia

Rapporteur

Anil Kumar
Kullanan Sukwanchai

POSTER PRESENTATIONS

VENUE: AITCC Main Lobby

Climate Change, Risk Reduction and Adaptation

DRSD_2023_33: Willingness to Pay for Index-based Cattle Insurance among Dairy Farmers in Southern India (*Anupama Shantharaju*)

DRSD_2023_154: Climate Variability of Thailand in Association with ENSO and IOD: A Literature Review (*Sajjad Hasnain MD Haikel*)

DRSD_2023_183: Minimizing Initial Cost for Flood Mitigation in Several Basins in Japan: Paddy Fields as Reservoirs or Flood-Resistant Buildings (*Takumi Yamada*)

Disaster and Climate Resilience in Coastal, Marine and Deltaic Systems

DRSD_2023_121: Sustainable Management in Offshore Sand Mining: A Coastal Ecosystem Analysis and Control Model for Tunda Island (*Wawan Wahyudi*)

DRSD_2023_139: Simulation of Carbon in A Mangrove-Shrimp System in the Mekong Delta (*Linh Nguyen*)

DRSD_2023_141: Assessment of habitat quality in mangrove areas in the Mekong Delta (*Thang Mai*)

DRSD_2023_150: Coastal-Marine Traffic Impact Area Assessment using Night Light Data and Spatial Analysis – implications for CMSP and DRR (*Md. Zakir Hossain*)

DRSD_2023_175: Amplifying the Voices of the Community: Strengthening Resilience in the Sundarbans Delta. (*Jyoti Prakash Hati*)

DRSD_2023_203: Risk Analysis of Post-Disaster Logistics Transportation System in the City Of Padang (*Bayu Martanto Adji*)

DRSD_2023_228: Applying the Digital Shoreline Analysis System (DSAS) to Assess Coastline Change Along the Mekong Delta of Vietnam (*Bui Phan Quoc Nghia*)

Remote Sensing and ICT Applications for Disaster Resilience

DRSD_2023_129: Smart Phone Water Quality and Water Depth Monitoring using Water sensors (*Nandanavanam VBS Sudarsan Karthikeya*)

DRSD_2023_194: A Review on Understanding the Drought Indices and Assessment Technique in ASIA (*Zaw Min Htet*)



Resilience of Urban, Built Environment and Infrastructure

DRSD_2023_73: Quantitative Analysis of City-Scale Green Infrastructure Planning for Air Quality Improvement: A Case Study of Delhi, India (*Atul Kumar*)

DRSD_2023_143: Experiences of environmental change: An Intergenerational Research in the Mekong Delta (*Huynh My Linh*)

DRSD_2023_156: Enhancing the communication and electricity lifelines for response to natural disasters in New Zealand (*Eric Sauvage*)

DRSD_2023_182: A Comprehensive Review of Local-Level Structural Damage Evaluation in Reinforced Concrete Structures Using Nonlinear Finite Element Analysis (*Sajedur Rahman*)

Risk Reduction, Governance and Development

DRSD_2023_24: Quantifying Non-Economic Loss and Damage: A Comprehensive Review and Compilation of NELD indicators for Multi-Hazard Disasters (*Sakshi Goyal*)

DRSD_2023_51: From Crisis to Resilience: Exploring Response Strategies through a Comparative Study of Flood Resilience in Bangkok and the Isaan Region (*Pawityada Pichaijaruveach*)

DRSD_2023_53: Sustainable reconstruction and recovery during the "Wenchuan Earthquake in 2008" in Sichuan, China (*Yuzhou Zhu*)

DRSD_2023_124: Analyzing Governments' Policies on Disaster Risk Management in the Borobudur Cultural Heritage Region, Indonesia (*Pusparini Dharma Putri*)

Strengthening Ecological and Natural Systems for Disaster Resilience

DRSD_2023_197: Community Perceptions and Concerns About Water Quality of Bung Binh Thien Lake, An Giang Province (*Chau Ngoc Tran*)

DRSD_2023_227: Indigenous Knowledge of Afro-Asian Tribal Communities: An Alternative Science of Natural Disaster Management (*Tapas Pal*)

*All posters will be displayed in the AITCC Main Lobby Area throughout the two-day event. Poster presentations are scheduled during the lunch and coffee breaks. Participants are free to engage with presenters at their own discretion.



Day 2 (8 December 2023)

Time (GMT+7)	Session	Speaker	Venue
08:30 - 09:00	Arrival and Registration	Participants report to the registration desk	Lobby
09:00 - 09:20	Keynote Session 3		
	Keynote 5: Building International Scientific Collaboration in Disaster Risk Management	Prof. Gretchen Kalonji , Institute for Disaster Management and Reconstruction, Sichuan University – The Hong Kong Polytechnic University	RBB Auditorium
09:20 - 10:30	Panel Discussion 3	Session Chair Dr. Subir Sen, Indian Institute of Technology Roorkee, India	
	Theme: Enhancing Collaboration and Cooperation among Global South Countries: Opportunities and Challenges for Risk and Resilience Research	Panelists 1. Dr. Fa Likitswat, Thammasat University, Thailand 2. Prof Sudip Mitra, Indian Institute of Technology Guwahati, India 3. Dr. Tabassam Raza, Planning and Development Research Foundation, Inc, Philippines 4. Mr. Takeshi Komino, Asian Disaster Reduction and Response Network, Japan	RBB Auditorium
		Rapporteur Anil Kumar Kullanan Sukwanchai	
10:30 - 10:50	Coffee Break	Engagement time for poster presentations	Main Lobby
10:50 - 12:30	PARALLEL THEMATIC SESSION - 2		
TS 2_1	Strengthening Ecological and Natural Systems for Disaster Resilience - I	DRSD_2023_05: Incorporating a nature-based soil retention ecosystem service approach for landslide hazard management in a Western Himalayan watershed (<i>Atul Chauhan</i>)	
Venue	TV Room (AITCC First Floor)	DRSD_2023_080: The impact on PM2.5 in Thailand Society: An Investigation into Causes, Challenges, and Policy Gap in Implementations (<i>Vasuthida Pinrattana</i>)	
Time	10:50 - 12:30	DRSD_2023_094: Climate change impact on major food and non-food crops: A study of Assam, India (<i>Rwmwisha Daimari</i>)	
Session Co-Chairs	Dr. Chandra Sekhar Bahinipati Dr. Puvadol Doydee	DRSD_2023_101: Microplastic crisis and Environment issue concern. (<i>Chawittipong Tunchuwongsuk</i>)	
Hall Coordinator	Sreejita Banerjee	DRSD_2023_115: InVEST model simulation of climate and land use changes on nutrient export in Tra Vinh Province, Vietnamese Mekong Delta. (<i>Sreejita Banerjee</i>)	
Volunteers	Lopa Islam Md. Mahmudul Hasan Neelay Srivastava	DRSD_2023_199: Pine sap extraction and its potential threat to land slide (<i>Ir. Yonariza</i>)	
		DRSD_2023_192: Temporal Analysis of Recurring Flood hazards, and its implications for resilience and adaptation in social-ecological systems in Gorakhpur District (<i>Neelay Srivastava</i>)	
		DRSD_2023_063: Nature based solutions to enhance sustainability in palm oil production (<i>Shweta Sinha</i>)	

**TS 2_2**

Remote Sensing and ICT
Applications for Disaster Resilience
- II

Venue

B202 (AITCC First Floor)

Time

10:50 – 12:30

Session Co-Chairs

Dr. Chitrini Mozumder
Dr. Navneet Kumar

Hall Coordinator

Deepali Mishra

Volunteers

Pham Phan Hong Danh
Salman Khan
Mr Nandanavanam VBSS
Karthikeya

DRSD_2023_018: Importance of geohazard investigation for sustainable infrastructure resilience in the Nepal Himalaya (*Basanta Raj Adhikari*)

DRSD_2023_119: Impact of Land Use/Land Cover Changes and Urbanization in Peshawar City (*Salman Khan*)

DRSD_2023_132: Geo-Spatial Mapping and Analysis of Water Sources Suitability as Potable Water in South Cotabato Province Philippines (*Jane Samejon Malasador*)

DRSD_2023_149: Elephant habitat modelling in Sai Yok National Forest using high-resolution Pléiades data (*Anirban Mukhopadhyay*)

DRSD_2023_178: Risk Changes: A WebGIS Application for Multi-Hazard Quantitative Risk Assessment (*Rabina Twayana*)

DRSD_2023_231: Intersecting Realities: Land Use Change in Southwestern Coastal Areas Amidst National Transformations in Bangladesh (*Md Kamruzzaman Akand*)

DRSD_2023_232: Temporal and Spatial Analysis of Sea Surface Temperature in the Bay of Bengal: A Comprehensive Study from 1999 to 2018 (*Swarnabha Bandyopadhyay*)

DRSD_2023_233: Heatwave Dynamics in Dhaka: Understanding Influences, Assessing Ramifications, and Charting Eco-Friendly Remedies (*Syed Hafizur Rahman*)

TS 2_3

Risk Reduction, Governance and
Development - II

Venue

B206 (AITCC First Floor)

Time

10:50 – 12:30

Session Co-Chairs

Dr. Pradyot R. Jena
Dr. Prakash C. Bhattarai

Hall Coordinator

Annlouise Genevieve M. Castro

Volunteers

Sajedur Rahman
Sajjad Hasnain Md. Haikel
Pratik Poudel

DRSD_2023_010: Disaster Risk Governance initiatives for achieving Sustainable Development Goals in India: Efficient Incident Response System, Crisis Management and Emergency Response Mechanisms (*Mulam Bhaskara Rao*)

DRSD_2023_015: A Comprehensive Methodology for the Post-Disaster Damages, Losses, and Need Assessment (*Sasmita Behera*)

DRSD_2023_044: Labor law implications on disaster vulnerable Small and Medium Enterprises (SMEs) in Thailand (*Weerayut Lasongyang*)

DRSD_2023_058: Systematic Review of Disaster Resilience and Livelihood Frameworks (*Deepak Marahatta*)

DRSD_2023_074: Risk-Informed Land Use Planning for Community Resilience of the Municipality of San Francisco, Quezon, Philippines (*Alyanna P. Maneja*)

DRSD_2023_079: Male Labor Migration and Women Empowerment: A Systematic Review (*Hari Devkota*)

DRSD_2023_087: Disaster Resilience in Nepal: An Ethical Perspective (*Namita Ghimire*)

DRSD_2023_108: Crises, Complexity, and Community: Planning for Resilience (*Karl Kim*)

DRSD_2023_160: A Systematic Literature Review on Women's Economic Resilience in Disaster Management (*Delfia Tanjung Sari*)

TS 2_4

Resilience of Urban, Built
Environment, and Infrastructure - II

Venue

RBB Auditorium (AITCC Ground
Floor)

DRSD_2023_012: Assessing vulnerability of built environment in landslide prone region of Raigad District, India (*Abishek Kodag*)

DRSD_2023_013: Climate extremes and (peri) urban flooding: the case of Rawta village, Delhi (*Vishal Narain*)

DRSD_2023_040: Multi-layered traditional flood and debris flow prevention and preparedness - A case study from Arakawa village, Japan (*Chiho Ochiai*)



Time 10:50 – 12:30	DRSD_2023_097: A Blueprint for Climate-Resilient Urban Flood Drainage Master Planning (<i>Hudha Abdul Salam</i>)
Session Co-Chairs Dr. Kuo-Chieh Chao Dr. Ganapathy Pattukandan Ganapathy	DRSD_2023_126: Identification and Ranking of Spatial Clusters of Flood Prone Basic Education Facilities in the CAMANAVA Area, Metro Manila, Philippines Using Kernel Density Estimation Technique and Attribute Overlay Analysis (<i>Ronnie H. Encarnacion</i>)
Hall Coordinator Anil Kumar	DRSD_2023_152: Critical Infrastructure Interdependency Analysis: Identifying Inter-Sectoral Linkages in Bangladesh (<i>Anil Kumar</i>)
Volunteers Jungang Luo Muhammad Hammad Nimanthie Manisha Herath	DRSD_2023_185: An Assessment of the Smart Resilient Development Scheme for Disaster Risk Reduction and Management: The Case of Barangay Rizal, Makati City, Metro Manila, Philippines (<i>Dina Cartagena Magnaye</i>)
	DRSD_2023_215: Land Readjustment Approach as an Urban Development Tool for Disaster Resilience: A Study of Japan's Experience and its Applicability in the Philippines (<i>Arlene D.R. Santiago</i>)

TS 2_5 Disaster and Climate Resilience in Coastal, Marine, and Deltaic Systems - II	DRSD_2023_084: Challenges of the Salt Farmers in South-eastern Bangladesh (<i>Mehnaj Tabassum</i>)
Venue B108 (AITCC Ground Floor)	DRSD_2023_142: Applying a soft system methodology to seek solutions for maintaining aquaculture-mangrove system (<i>Lan Xuan Nguyen</i>)
Time 10:50 – 12:30	DRSD_2023_165: Estimating loss and damage by cyclone Amphan, in highest risk prone coastal district of West Bengal, India, using Sustainable Livelihood Approach (<i>Devdyuti Bose</i>)
Session Co-Chairs Dr. Mohana Sundaram Shanmugam Dr. Shubham Pathak	DRSD_2023_176: Stories of hope: Co-developing youth-led climate change adaptation and disaster risk reduction for local communities in the Red River Catchment, North of Vietnam (<i>Thu Thi Vo</i>)
Hall Coordinator Ratchaneekorn Thongthip	DRSD_2023_180: Assessing Risk and Avoiding Negative Tipping Points in the Red River Delta Coastal Areas (<i>Bui Thi Ha Ly</i>)
Volunteers Md. Mahfuz Hossain Md. Bakebillah Thanakom Wongboontham	DRSD_2023_189: Development Dilemma with Coastal Protection: Experiences From Southwest Coastal Zone of Bangladesh (<i>Mashfiqus Salehin</i>)
	DRSD_2023_204: Understanding Resilience Strategy Through Livelihood Diversification and Kinship Networks among Communities Living along Coastal Line: Case of Padang City, of West Sumatra (<i>Nursyirwan Effendi</i>)
	DRSD_2023_224: Risk-informed Infrastructure Planning, An Essential for Enhancing Urban Resilience: A Case Study from Viet Nam (<i>G. A. Chinthaka Ganepola</i>)

12:30 - 13:30 Lunch Break Buffet Lunch served in the AITCC Dining Room

13:30 – 15:00 PARALLEL THEMATIC SESSION - 3

TS 3_1 Strengthening Ecological and Natural Systems for Disaster Resilience - II	DRSD_2023_021: Whose Wellbeing Improved After Adoption of Crop Insurance in India? Assessing Benefits Across Land Holding Farmer Groups (<i>Chandra Sekhar Bahinipati</i>)
Venue TV Room (AITCC First Floor)	DRSD_2023_037: Potential of Climate-Smart Agricultural Practices to Build Climate Resilience: Evidence from Eastern India (<i>Pradyot Ranjan Jena</i>)
Time 13:30 – 15:00	DRSD_2023_059: Confirmatory factor analysis of Climate Change Adaptation: Designing Action Plan for agricultural livelihood in Northeastern Region, Thailand (<i>Sirinon Suwanmolee</i>)
Session Co-Chairs Prof. Yonariza	



Dr. Shweta Sinha

Hall Coordinator
Sreejita Banerjee

Volunteers

Lopa Islam
Md. Mahmudul Hasan
Neelay Srivastava

DRSD_2023_120: Enhancing Climate Resilience in the Most Climate Affected Communities by Adapting Locally Suitable Techniques through Actions Research (*Md. Mahmudul Hasan*)

DRSD_2023_171: Disaster risk and climate change impact on tourism development: a case study from Hoang Lien National Park, North of Vietnam (*Thi Lan Anh Tran*)

DRSD_2023_221: UNU-Global Mountain Safeguard Research activities: bridging science, policy and practice from local to continental level in support of sustainable development in mountain regions. (*Navneet Kumar*)

DRSD_2023_222: Urban Morphology and Surface Cover Analysis in the Green Infrastructure Action Plan (GIAP): The Case of Barangay U.P. Campus, Quezon City, Philippines (*Thess Khaz S. Raza*)

TS 3_2

Remote Sensing and ICT Applications for Disaster Resilience - III

Venue

B202 (AITCC First Floor)

Time

13:30 – 15:00

Session Co-Chairs

Dr. Sarawut Ninsawat
Dr. Toshikazu Sakano

Hall Coordinator

Deepali Mishra

Volunteers

Pham Phan Hong Danh
Salman Khan
Mr Nandanavanam VBSS
Karthikeya

DRSD_2023_004: Drought vulnerability assessment in Lam Ta Kong watershed (*Nontaporn Kukuntod*)

DRSD_2023_116: Exploring drought characteristics in Vietnam during the period 2001 – 2022 using MODIS image (*Pham Phan Hong Danh*)

DRSD_2023_184: Comparative Assessment of Automatic Flood Mapping Approaches Using Synthetic Aperture Radar (SAR) Earth Observation Images: A Case of Kerala Flood Event Over Indian Region (*Vanama Venkata Sai Krishna*)

DRSD_2023_208: Developing a Systematic Framework for a Climate-Resilient Early Warning System for Heat Stress Utilizing Heat Stress Sensors and Information Technology: A Case of Quezon City, Philippines (*Tabassam Raza*)

DRSD_2023_212: Identifying Challenges to the Optimal Utilization of Early Warning Systems for Flood Management in Metro Manila: Advancing SDGs 11 and 13 (*Krishna Buenaventura*)

DRSD_2023_220: Rainfall Threshold Based Early Warning System for Landslides – A Case Study from The Nilgiris District, Western Ghats of India (*Ganapathy Pattukandan Ganapathy*)

DRSD_2023_223: Advancing Impact-based Forecasting and Warning (IbFW) in Southeast Asia: A Case Study from Vietnam (*Lalit Kumar Dashora*)

TS 3_3

Risk Reduction, Governance and Development - III

Venue

B206 (AITCC First Floor)

Time

13:30 – 15:00

Session Co-Chairs

Dr. Dina Magnaye
Dr. Saurav K.C.

Hall Coordinator

Annlouise Genevieve M. Castro

Volunteers

Sajedur Rahman
Sajjad Hasnain Md. Haikel
Pratik Poudel

DRSD_2023_025: Adaptation to natural disasters by households in India: A panel data analysis (*Rupali Tamuly*)

DRSD_2023_036: Policy Learning in Urban Resilience: The 100 Resilient Cities Network (*Pallavi Rachel George*)

DRSD_2023_043: Application of educational technologies to assist in recovering gaps in student learning during disasters: experiences from international schools around Bangkok affected from Covid-19 (*Shobhit Pathak*)

DRSD_2023_045: Constitutional law provisions towards disaster management in Thailand (*Shubham Pathak*)

DRSD_2023_056: Drought Adaptation in Thailand: A National Governmental Perspective (*Puvadol Doydee*)

DRSD_2023_218: Integrating Sustainable Development Goals Environmental Domain in the Environmental Impact Assessment Process Flow (*Mark Anthony M. Morales*)

DRSD_2023_226: Shifting paradigm of disaster management in Nepal (*Ganesh Dhungana*)

**TS 3_4**

Resilience of Urban, Built Environment, and Infrastructure - III

Venue

RBB Auditorium (AITCC Ground Floor)

Time

13:30 – 15:00

Session Chairs

Prof. Vilas Nitivattananon

Hall Coordinator

Anil Kumar

Volunteers

Jungang Luo
Muhammad Hammad
Nimanthie Manisha Herath

DRSD_2023_042: Legalizing Traditional Timber Construction for Earthquake Resistance: A Case Study of Japan (*Jingying WANG*)

DRSD_2023_093: Navigating Through the Power Crisis: Assessing Sustainable Energy Resource for Long-term Power Outages in San Jose, Occidental Mindoro, Philippines (*Lieza Johanna Y. Rodriguez*)

DRSD_2023_151: Case Study: Seismic Risk Assessment of Existing Essential Building Structure in Karachi (*Muhammad Hammad*)

DRSD_2023_159: Development of Seismic Fragility Functions of Reinforced Concrete Low-Rise Single-House Buildings in Chiang Mai using a New Analytical Approach (*Herath Mudiyansele Nimanthie Manisha Herath*)

DRSD_2023_201: Risk analysis of failure in the post-earthquake disaster evacuation process in Padang City (*Bambang Istijono*)

DRSD_2023_211: Seismic Vulnerability Assessment of SMAN 1 High School Building in Padang City, Indonesia (*Fauzan*)

DRSD_2023_217: Charting Sustainable Renewable Energy Policy and Technologies for Climate Resilience and Sustainability in Karachi, Pakistan's Urban Landscape (*Kristine F. Aspiras*)

TS 3_5

Disaster and Climate Resilience in Coastal, Marine, and Deltaic Systems - III

Venue

B108 (AITCC Ground Floor)

Time

13:30 – 15:00

Session Co-Chairs

Dr. Aniruddha Dey
Dr. Mulam Bhaskar Rao

Hall Coordinator

Ratchaneekorn Thongthip

Volunteers

Md. Mahfuz Hossain
Md. Bakebillah
Thanakom Wongboontham

DRSD_2023_039: Effects of Climate Disasters on Folk Professions and Adaptation Strategies: A Case Study in the Sundarban Region of Bangladesh (*Md. Bakebillah*)

DRSD_2023_107: Health Care Utilization, Financial Burden and Health Care copayment Mechanism for Most Disaster-affected Areas in the Ganges Brahmaputra Delta in Bangladesh. (*Mohammad Wahid Ahmed*)

DRSD_2023_136: Nature Based Approach and Community Resilience in Khaolak, Phang-nga (*Ratchaneekorn Thongthip*)

DRSD_2023_140: Assessment of habitat risks in mangrove areas in the Mekong Delta (*Chau Ngoc Tran*)

DRSD_2023_155: Enhancing Delta Sustainability: An In-Depth Assessment of a Climate-Inclusive Monitoring and Evaluation Framework for Bangladesh Delta Plan 2100 (*Hugh Milner*)

DRSD_2023_179: Livelihood Strategies for Sustainability in Different Socio-Ecological Systems in Coastal Bangladesh (*Md. Masud Rana*)

DRSD_2023_190: Mainstreaming CCA and DRR into the Coastal and Marine Neighbourhood Development Planning Process (*Mario R. Delos Reyes*)

15:00 - 15:30 **Coffee Break**

Lobby

15:30 – 16:10 **Keynote Session 4**

Keynote 6: Essential preparedness in energy sector as critical infrastructure

Prof. Rajib Shaw, Keio University, Japan

Keynote 7: Infrastructure resilience for climate hazards: What do we understand by “resilient” infrastructure and what are some basic principles of resilience look like?

Prof. Dilanthi Amaratunga, University of Huddersfield, UK

RBB Auditorium



16:10 - 17:20	Panel Discussion 4	Session Chair	RBB Auditorium
	Theme: Enhancing Critical Infrastructure Resilience to Disasters and Climate Change: Challenges and Opportunities	Dr. Indrajit Pal, Asian Institute of Technology, Thailand	
		Panelists	
		<ol style="list-style-type: none"> 1. Prof. Karl Kim, University of Hawaii, USA 2. Dr. Wijitbusaba (Ann) Marome, Thammasat University, Thailand 3. Mr. Israel Jegillos, Asian Disaster Preparedness Center (ADPC), Thailand 4. Dr. Kampanart Silva, National Energy Technology Center (ENTEC), Thailand 5. Dr. Shehrin Shaila Mahmood, ICDDR-B, Bangladesh 	
		Rapporteur	
		Anil Kumar Kullanan Sukwanchai	
17:20 - 17:40	Closing Session	Dr. Indrajit Pal , Chair of OC	RBB Auditorium
	DRSD 2023 Reporting		
	Closing Remarks	Dr. Roger Levermore , Dean of SOM, Vice President for Development, AIT	
	Vote of Thanks	Emcee	