

The 11th IFIP WG5.15 Conference on Information Technology in Disaster Risk Reduction (ITDRR 2026)

Draft Conference Program (updated 16 September 2026)
Alexandroupolis, Greece · 29 September – 1 October 2026

Day 1: Tuesday, 29 September 2026

Time	Session / Event	Presenter(s)	Title
15:00 – 15:30	Registration & Welcome Coffee	—	—
15:30 – 16:00	Welcome and Opening Remarks	Rector of DUTH, Organizers	Welcome addresses
16:00 – 16:45	Keynote Speech 1	Tina Comes	Digital Twins for Resilience: Supporting Complex and Uncertain Decisions
16:45 – 17:00	Coffee Break	—	—
17:00 – 18:30	Session 1: AI and Data-Driven Disaster Assessment (20 min presentation + 10 min Q&A per paper) Session Chair: Ioannis Dokas	1. Bruna Lima, Angélica Fonseca, Juliana Baptista, Marcos R. S. Borges 2. Yasuhiro Soshino, Akira Miyata, Masahiro Nemoto, Yusuke Kato, Kazuhisa Shibayama 3. Jaishnavi Inturi, Nikhila Rame, Arya Krishna Kumar, Rajavenkat Reddy Gujjula	1. From Data to Prevention: Mapping Socio-environmental Vulnerability to Hydrological Disasters in the State of Rio de Janeiro 2. Dynamic Population Analysis Across Disaster Response and Preparedness 3. Smart Disaster Management System
20:00	Social Event / Welcome Reception	—	—

Day 2: Wednesday, 30 September 2026

Time	Session / Event	Presenter(s)	Title
09:30 – 10:15	Keynote Speech 2	Bartel Van de Walle	For Better or Worse? AI and Crisis Information Systems Design
10:15 – 10:30	Coffee Break	—	—
10:30 – 12:00	Session 2: Systems-Theoretic Approaches to Disaster Management Session Chair: Terje Gjøsæter	1. Georgios Charalampos Kafoutis, Ioannis Dokas, Ioannis Katranas 2. Ioannis Katranas, Ioannis Dokas, Georgios Charalampos Kafoutis 3. Ioannis Kilanitis	1. From Emergency Plans to Performance Metrics: A Systems Theoretic Framework for Disaster Drill Evaluation 2. Distributed Coordination Failures in Rapid Earthquake Damage Assessment: A Deep STPA Analysis of Multi-Source Data Fusion and File-Based Orchestration 3. Integrated transportation and healthcare system approach to evaluating casualty access to timely medical care during Mass Casualty Incidents

12:00 – 13:00 Late-breaking Poster Presentations (60 mins)

ID	Title	Authors (Affiliation)	
G01	Digital Collaboration in the Norwegian Rescue Service	Frida Lillesalt Valvik (University of Agder); Terje Gjørseter (University of Agder)	
G02	Understanding Community Resilience through a “Nigechizu” Workshop: Insights from HVC Thinking Flow Analysis	Masako Inoue (SECOM CO., LTD.)	
G03	Predictive Dispatch for Volunteer Emergency Medical Response: Using AI to Preposition Resources and Strengthen Disaster Readiness	Dov Maisel (United Hatzalah of Israel)	
G04	Local Risk Governance: Methodological Approaches from the Experience of Acacias (Colombia)	Cristian Camilo Rodríguez Olaya (CEDENA S.A.S.)	
G05	Disaster Communication as a Complex Adaptive System: A Multi-Stakeholder Model from Türkiye	Ebru Uzunoğlu (Izmir University of Economics / University of Ljubljana); Selin Türkeli; Senem Kumova Metin; Pinar Umul Ünsal (Izmir University of Economics)	
G06	Toward Municipality Preparedness Index (MPI)	Jaziar Radianti (University of Agder)	
G07	ICT-Supported Public Sheltering Framework: Enhancing Shelter-Taking Awareness in Estonia	Stella Polikarpus (Tallinn University / Estonian Academy of Security Sciences / University of Agder)	
S01	The Effective Reach of Information Translation Processes in Wide-Area Disasters: A Comparative Analysis of North Rhine-Westphalia and Rhineland-Palatinate, Germany, in the 2021 Western European Floods	Sayuki Yoneda (The University of Osaka); Eiichi Nojiri (The University of Osaka)	
Time	Session / Event	Presenter(s)	Title
13:00 – 14:00	Lunch Break	—	—
14:00 – 15:30	Session 3: Early Warning and Alert Dissemination Session Chair: Stella Polikarpus	1. Etom Akpama, Champika Liyanage, Yu Zhou, Kelechi Babatunde 2. Rahul Srivastava, Saurabh Kumar Sinha, Aamir Mustafa, Divyansh Kumar Chandrakar, Pramod Bhawe, Niraj Kant Kushwaha, Pankaj Kumar Dalela 3. Jun Sasaki, Uchika Tokura, Shuto Matsushita	1. Strengthening Last-Mile Flood Early Warning Communication in Nigeria: Towards a People-Centred Operational Framework 2. A Bit-Efficient Encoding Framework for Satellite-Based Disaster Alert Reception on Handheld Devices 3. Real-time Evacuation Guidance System to Reduce the Natural Disaster Risks for Tourists in Japan
15:30 – 15:45	Coffee Break	—	—
15:45 – 17:15	Session 4: Sheltering — Awareness and Training Session Chair: Damiani Karageorgiadou	1. Stella Polikarpus, Kristjan Sörg, Terje Gjørseter, Jaziar Radianti 2. Reet Kasepalu, Stella Polikarpus, Daniel Jefimov, Ülle Mäe 3. Jaanika Puusalu, Ülle Säälk, Reet Kasepalu, Stella Polikarpus	1. ICT-Enhanced Situational Awareness and the “Visibility Gap” in Tallinn Public Sheltering Infrastructure: Same Sign Different Meaning 2. From Explanation to Enactment: Virtual Simulation for Shelter-in-Place Guidance Training 3. Self-assessed competencies, IT skillfulness, work and exercise experience—interrelated aspects of crisis manager’s efficiency-belief
20:00	Official Dinner	—	—

Day 3: Thursday, 1 October 2026

Time	Session / Event	Presenter(s)	Title
09:15 – 10:00	Keynote Speech 3	Lazaros Iliadis	Machine Learning Modeling in Structural Security
10:00 – 11:30	Session 5: Citizens, Education and Decision-Making Session Chair: Georgios Charalampos Kafoutis	1. Lucia Castro Herrera, Jaziar Radianti, Terje Gjøsæter 2. Shingo Nakazono 3. Taiki Katsuragi, Kayoko Yamamoto	1. Strengthening the Role of Citizens in Preparedness and Resilience 2. Standardizing Disaster Decision-Making with Operational Art 3. A Web Based Support System for Disaster Prevention Walking Tours Integrating Pre Tour Learning and Continuous Practice
11:30 – 11:45	Coffee Break	—	—
11:45 – 12:15	Invited Talk (20 min presentation + 10 min Q&A)	Konstantinos Spiliotis	Non-linear failure patterns in urban road networks exposed to flooding
12:15 – 12:45	Awards Ceremony	Organizing Committee	Presentation of Awards
12:45 – 13:00	Closing Session	Organizers	Closing Remarks & Farewell