

4th International conference on Dynamics of Disasters

July 1-4, 2019, Kalamata, Greece, Conference Program



	Monday, July 1, 2019
10:00 – 13:00	DOD 2019 Registration, Hotel Conference Center
13:00 – 13:30	Opening Remarks, DOD 2019 Conference Organizers
13:30 – 14:00	Ioannis Mpekiaris, George Tsiotras Natural disasters and their impact on business units: The Greek case
14:00 – 14:30	Erica Mulowayi MEASURING THE UNQUANTIFIABLE: MAPPING INTERDEPENDENCIES BETWEEN TRANSPORT AND ICT SYSTEMS AFTER DISASTER
14:30 – 15:00	Vikram Kapoor Impact of extreme flooding on microbiological water quality: Case of Hurricane Harvey
15:00 – 15:30	Jimilyn Gerobin Communication Baseline Study as Data Source for Designing a Communication Plan on Flood Disaster Preparedness of Stakeholders in Libon, Albay, Philippines.
15:30 – 16:00	Yan Rahmanu, Gagad Ridho, Astry Permatasari DISASTER ANALYSIS OF LIGHTNING STRIKE DENSITY BASED ON LANDFORM FOR REDUCING VICTIMS IN WONOSOBO, INDONESIA
16:00 – 16:30	Stefan Pickl The Smart Optimization Framework SARA

Tuesday, July 2, 2019

9:00 – 9:30	Marc Assael, Konstantinos Antoniadis, George Sakellaropoulos, Filothei Kaplani, Pavlos Nikoitsios, Leandros Paschalidis, Theofanis Theocharis, Katerina Tasidou Accident Prevention and Emergency Response is very Important, but shouldn't we Also Educate People and Young Engineers on how to Respond to a Major Accident?
9:30 – 10:00	Shafiqul Islam Political Economy in Disaster Risk Reduction Efforts: Exploring Incidences of Enclosure, Exclusion, Encroachment, and Entrenchment from the case of Bangladesh.
10:00 – 10:30	Urmila Pyakurel, Stephan Dempe Universal Maximum Flow with intermediate storage for Evacuation Planning
10:30 – 11:00	Yutaka Matsuno, Futaba Fukanuma. Shigenobu Tsuruoka Development of Flood Disaster Prevention Simulation Smartphone Application Using Gamification
11:00 – 11:30	Coffee Break
11:30 – 12:00	Stephen Flynn, Mark Patterson, Elizabeth Allen Building a Global Resilience Research Network to Accelerate Innovative Resilience Research and Transformative Action on an International Scale
12:00 – 12:30	Panon Latcharote Recent Research on Tsunami Hazards in Thailand
12:30 – 13:30	DOD 2019 Tutorial: Machine Learning for Imbalanced Data and Applications to Severe Weather Prediction, Theodore B. Trafalis
14:30	Departure for Conference Excursion Ancient Messini Archaeological Site

	Wednesday, July 3, 2019
9:00 – 9:30	Anna Nagurney, Mojtaba Salarpour, Patrizia Daniele An Integrated Financial and Logistical Game Theory Model for Humanitarian Organizations with Purchasing Costs, Multiple Freight Service Providers, and Budget, Capacity, and Demand Constraints
9:30 – 10:00	Hari Nandan Nath, Urmila Pyakurel, Stephan Dempe Tanka Nath Dhamala A Bilevel Programming Approach to Save a Path Maximizing the Dynamic Flow with Lane Reversals for Evacuation Planning
10:00 – 10:30	Nelida Herrera, Todd Smith, Scott Parr, Brian Wolshon Sensitivity of Evacuation Time Estimates to Population Variability
10:30 – 11:00	Jongho Choi Kyewon Jun Wonjun Tak Soungdoug Kim Hojin Lee, Development of a bedload measurement algorithm using acoustic spectral analysis with hydrophone
11:00 – 11:30	Coffee Break
11:30 – 12:00	Sergey Demin, Fuad Aleskerov DEA for the Assessment of Regions Ability to Cope with Disasters
12:00 – 12:30	Georgios Tsaples, Josep Maria Salanova Grau, Panagiotis Tzenos, Georgia Aifandopoulou A simulation model for the analysis of the consequences of extreme weather conditions to the traffic status of the city of Thessaloniki, Greece
12:30 – 13:00	Zahrah Musa, Ioana Popescu, Arthur Mynett, Developing adaptation plans for Nigerian coast based on around the world experiences
13:00 – 13:30	Boustras George, Evangelos Katsaros, Cleo Variannou-Mikellidou, Christos Dimopoulos, Christodoulos Efstathiades, George Drakatos, Christos Evangelidis, PRIVATE – PUBLIC SECTORS PARTNERSHIP FOR DISASTER RISK REDUCTION IN ARMENIA: THE CASE OF ALTER PROJECT
13:30 – 14:00	Gerasimos Antzoulatos, Anastatios Karakostas, Stefanos Vrochidis, Ioannis Kompatsiaris The Crisis Classification component to strengthen the early warning, risk assessment and decision support in extreme climate events
14:00 – 14:30	Stefan Pickl A Visual Analytics Plattform
19:00	Conference Gala Dinner

	Thursday, July 4, 2019
9:00 – 9:30	Wonjun Tak Kyewon Jun Soungdoug Kim Hojin Lee A Study on the Determination of Construction Locations for Erosion Control Dams using Terrestrial LiDAR Data and RAMMS Models
9:30 – 10:00	Stefania Corsaro, Pasquale Luigi De Angelis, Ugo Fiore, Zelda Marino, Francesca Perla Wavelets in multiscale time series analysis: an application to seismic data
10:00 – 10:30	Christos Kravvaritis Practical Block Symbol Analysis for designing Robust Multigrid Methods
10:30 – 11:00	Iskandar Abdurakhimov Ceating a "Green belt" avorable ecosystem in the around of Tashkent using of advanced technologies and methods
11:00 – 11:30	Coffee Break
11:30 – 12:00	Ugo Fiore, Zelda Marino, Francesca Perla, Salvatore Scognamiglio, Paolo Zanetti Effectiveness of investments in prevention of geological disasters
12:00 – 12:30	Nelida Herrera, Zhao Zhang, Efe Tuncer, Scott Parr, Brian Wolshon, Mohammad Shapouri EFFECT OF SHADOW EVACUATION ON MEGAREGION EVACUATIONS
12:30 – 13:00	Nelida Herrera, Efe Tuncer, Todd Smith, Scott Parr, Brian Wolshon SENSITIVITY OF EVACUATION TIME ESTIMATES TO ROADWAY DISRUPTIONS
13:00 – 13:30	Angeliki Bistaraki Preparing for the unexpected during the Athens Marathon: perspectives on interprofessional collaboration in the Marathon command center
13:30 – 14:00	Stamatis Papangelou, Zenos Alexios Charalampidis Land Property Data Logging on Blockchain Ledger
14:00 – 14:30	Emil Sever Georgescu ON THE DYNAMICS OF GLOBAL EARTHQUAKE DISASTERS. LESSONS FOR ROMANIA
14:30 – 15:00	Closing Remarks, DOD 2019 Conference Organizers