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Disciplina	658.4038
Soggetti	Application software Computer networks Coding theory Information theory Artificial intelligence Computer and Information Systems Applications Computer Communication Networks Coding and Information Theory Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Web Portal to Support Remote Island for Sightseeing and Disaster Management -- Development of Real-time Evacuation Support System (RESS) to Reduce Human Damage in Natural Disasters -- Visualization of Tweets and Related Images Posted During Disasters -- Preliminary Evaluation of Information Sharing in COACHES -- Application of Disaster Management Information for the COVID-19 Pandemic -- Applying Information Technology for Cross Border Disaster Risk Reduction through Public Private Partnership amidst COVID-19 -- Towards Single Value Coordinate System (SVCS) for Earthquake Forecasting using Single Layer Hierarchical Graph Neuron (SLHGN) -- The Muddy Practice of Social Media Crowdsourcing in Bandung City --

Bumikita Mobile Application: The starting point of a Children-Centred Approach for Multi Hazard Early Warning System in Indonesia -- General Knowledge Representation and Sharing for Disaster Management -- Information Technology based on Qualitative Methods in Cyber-Physical Systems of Situational Disaster Risk Management -- Creating a List of Works on Reconstruction of Infrastructure Elements in Natural Disasters based on Information Technologies -- The Ianos Cyclone (September 2020, Greece) from Perspective of Utilizing Social Networks for DM -- Cyber-security in Digital Metering Value Chain for Mountain Landslide Warning -- Disaster Risk Reduction for All? Understanding Intersectionality in Disaster Situations -- Opportunities and Challenges of ICT in Emergency Processes -- Integration in and Between Earth Observation Research Centers for Achieving Sustainable Development -- Towards Safety and Security-related Testing of Crisis Management Solutions -- Mathematical Model of Integral Fire Risk Management -- Mathematical and Computer Modeling of Active Movement of People during Evacuation from Buildings -- Cyber Resilience Strategic Planning and Self-Assessment Tool for Operationalization in SMEs -- Monitoring the Health System Saturation Risk During COVID-19 Pandemics -- Emergency Response Supported by Drones and Experts Perceptions -- Fuzzy Logic Approach to Complex Assessment of Drought Vulnerability.

Sommario/riassunto

This volume constitutes the refereed and revised post-conference proceedings of the 5th IFIP WG 5.15 International Conference on Information Technology in Disaster Risk Reduction, ITDRR 2020, in Sofia, Bulgaria, in December 2020.* The 18 full papers and 6 short papers presented were carefully reviewed and selected from 52 submissions. The papers focus on various aspects and challenges of coping with disaster risk reduction. The main topics include areas such as natural disasters, remote sensing, big data, cloud computing, Internet of Things, mobile computing, emergency management, disaster information processing, disaster risk assessment and management. *The conference was held virtually.
