

1. Record Nr.	UNISA996465354303316
Titolo	Information Technology in Disaster Risk Reduction [[electronic resource]] : 4th IFIP TC 5 DCITDRR International Conference, ITDRR 2019, Kyiv, Ukraine, October 9–10, 2019, Revised Selected Papers // edited by Yuko Murayama, Dimiter Velez, Plamena Zlateva
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-48939-6
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (249 pages)
Collana	IFIP Advances in Information and Communication Technology, , 1868-4238 ; ; 575
Disciplina	658.4038
Soggetti	Application software Coding theory Information theory Computer communication systems Artificial intelligence Information Systems Applications (incl. Internet) Coding and Information Theory Computer Communication Networks Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Issues in the Use of the Recovery Watcher for Situation Awareness in Disaster and Inclusive Communications -- Information Technology Reengineering of the Electricity Generation System in Post-Disaster Recovery -- Information Technologies for Assessing the Impact of Climate Change and Natural Disasters in Socio-Economic Systems -- Problems of Cultural Heritage Preservation in the Context of the Armed Conflict Growth -- Proposal of Evacuation Support System and Evaluation by Multi-agent Simulation in a Regional Disaster -- Environmental Monitoring and Population Protection from Environmental Factors -- Ecological Internet Resource as a tool for Information Control of the Harmful Effects of Environmental Pollution

-- Building Resilient Community by Public Private Partnership – From Science to Action in Developing Countries -- Building Resilient Community Through Plant Back Better Initiative – Guiding Principles and Best Practices -- An Earth Coordinate System for Earthquake Forecasting using SLHGN -- ImpactMap: A Collaborative Environment to Support Impact Projection of Complex Decision -- Ad-Hoc Architecture of Systems for Disaster Risk Management -- Conceptual Model of Debris Flow Information System -- Towards an Indoor Navigation Application for Emergency Evacuations and Persons with Visual Impairments – Experiences from First Responders and End Users -- Cyber Crisis Management Roles – a Municipality Responsibility Case Study -- Mathematical Model of Management of the Integral Risk of Emergency Situation on the Example of Fires -- 3D Simulation to Validate Autonomous Intervention Systems Architecture for Disaster Management -- Classification of Social Media Messages Posted at the Time of Disaster -- Workshop Program on Disaster Prevention and Mitigation for Young Generation Utilizing Disaster Information Tweeting and Mapping System.

Sommario/riassunto

This volume constitutes the refereed and revised post-conference proceedings of the 4th IFIP TC 5 DCITDRR International Conference on Information Technology in Disaster Risk Reduction, ITDRR 2019, in Kyiv, Ukraine, in October 2019. The 17 full papers and 2 short papers presented were carefully reviewed and selected from 53 submissions. The papers focus on various aspects and challenges of coping with disaster risk reduction. The main topics include areas such as natural disasters, big data, cloud computing, Internet of Things, mobile computing, emergency management, disaster information processing, and disaster risk assessment and management.
