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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Remote Sensing Techniques in Landslide Mapping and Monitoring, Keynote Lecture -- Landslide Monitoring and Warning -- Introduction: Landslide Monitoring and Warning -- Landslide Monitoring and Early Warning Systems for Landslide Occurrence Prediction -- Multisensor Landslide Monitoring as a Challenge for Early Warning: from Process Based to Statistic Based Approaches -- Wireless Sensor Networks for Early Warning of Landslides: Experiences from a Decade Long Deployment -- Design and Validation of Wireless Communication Architecture for Long term Monitoring of Landslides -- Scalable, Secure, Fail safe, and High Performance Architecture for Storage, Analysis, and Alerts in a Multi-Site Landslide Monitoring System -- A Self-adaptive Data Acquisition Technique and Its Application in

Landslide Monitoring -- A New Landslide Early Warning Technology- Escorting for Life -- Prediction of displacement rates at an active landslide using joint inversion of multiple time series -- Time-prediction method of the onset of a rainfall-induced landslide based on the monitoring of shear strain and pore pressure -- Improvement of Fukuzono's Model for time prediction of an onset of a rainfall-induced landslide -- A Full-scale Model Test for Predicting Collapse Time Using Displacement of Slope Surface during Slope Cutting Work -- Classification of microseismic activity in an unstable rock cliff -- Prediction of the process of a slowly moving loess landslide by Electrical Resistivity Tomography -- The pilot construction of a sensor-based landslide early warning system for mitigating human damages, Republic of Korea -- An early warning system of unstable slopes by multi-point MEMS tilting sensors and water contents -- Early Warning of Long Channel and Post-controlled Debris-flow Gully in Southwest China -- Landslide Monitoring and Early Warning Systems at Regional Level. <

Sommario/riassunto

This volume contains peer-reviewed papers from the Fourth World Landslide Forum organized by the International Consortium on Landslides (ICL), the Global Promotion Committee of the International Programme on Landslides (IPL), University of Ljubljana (UL) and Geological Survey of Slovenia in Ljubljana, Slovenia from May 29 to June 2, 2017. The complete collection of papers from the Forum is published in five full-color volumes. This third volume contains the following: • One keynote lecture • Landslide Monitoring and Warning: Monitoring Techniques and Technologies, • Early Warning Systems • Landslide Disasters and Relief: Case Studies, Emergency Measures, First Aid, • Civil Protection Measures • Landslide Mitigation, Remediation and Stabilization: Landslide Protection Works, • Landslide Stabilization And Remediation Measures, Landslide Non-Structural Measures Prof. Matjaž Mikoš is the Forum Chair of the Fourth World Landslide Forum. He is the Vice President of International Consortium on Landslides and President of the Slovenian National Platform for Disaster Risk Reduction. Prof. Željko Arbanas is representative of Croatian Landslide Group, member of the International Consortium on Landslides. He is the Head of Geotechnical Chair at Faculty of Civil Engineering University of Rijeka, Croatia and the Assistant Editor-in-Chief of International Journal "Landslides".< Prof. Yueping Yin is the President of the International Consortium on Landslides and the Chairman of the Committee of Geo-Hazards Prevention of China, and the Chief Geologist of Geo-Hazard Emergency Technology, Ministry of Land and Resources, P.R. China. Prof. Kyoji Sassa is the Founding President of the International Consortium on Landslides (ICL). He is Executive Director of ICL and the Editor-in-Chief of International Journal "Landslides" since its foundation in 2004. IPL (International Programme on Landslides) is a programme of the ICL. The programme is managed by the IPL Global Promotion Committee including ICL and ICL supporting organizations, UNESCO, WMO, FAO, UNISDR, UNU, ICSU, WFEO, IUGS and IUGG. The IPL contributes to the United Nations International Strategy for Disaster Reduction and the ISDR-ICL Sendai Partnerships 2015–2025.
