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Soggetti	Forests and forestry - Slovenia Forests and forestry Internet resource Periodicals. Slovenia
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Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

2. Record Nr.	UNINA9910743396403321
Autore	Zhang Wen'gang
Titolo	Application of Soft Computing, Machine Learning, Deep Learning and Optimizations in Geoengineering and Geoscience // by Wengang Zhang, Yanmei Zhang, Xin Gu, Chongzhi Wu, Liang Han
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	981-16-6834-5 981-16-6835-3
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (143 pages)
Collana	Engineering Series
Disciplina	550.2855133
Soggetti	Engineering geology Artificial intelligence Civil engineering Geoengineering Artificial Intelligence Civil Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Methods -- Applications -- Future Applications.
Sommario/riassunto	This book summarizes the application of soft computing techniques, machine learning approaches, deep learning algorithms and optimization techniques in geoengineering including tunnelling, excavation, pipelines, etc. and geoscience including the geohazards, rock and soil properties, etc. The book features state-of-the-art studies on use of SC,ML,DL and optimizations in Geoengineering and Geoscience. Considering these points and understanding, this book will be compiled with highly focussed chapters that will discuss the application of SC,ML,DL and optimizations in Geoengineering and Geoscience. Target audience: (1) Students of UG, PG, and Research Scholars: Several applications of SC,ML,DL and optimizations in Geoengineering and Geoscience can help students to enhance their knowledge in this domain. (2) Industry Personnel and Practitioner: Practitioners from different fields can be able to implement standard and advanced SC,ML,DL and optimizations for solving critical problems

of civil engineering.
