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Titolo	Recent Research in Sustainable Structures : Proceedings of the 3rd GeoMEast International Congress and Exhibition, Egypt 2019 on Sustainable Civil Infrastructures – The Official International Congress of the Soil-Structure Interaction Group in Egypt (SSIGE) // edited by Hugo Rodrigues, George Morcous, Mohamed Shehata
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ISBN	3-030-34216-6
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (170 pages) : illustrations
Collana	Sustainable Civil Infrastructures, , 2366-3413
Disciplina	628
Soggetti	Civil engineering Civil Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Exploration of Early Civilization Through Restoring structural stability of DJOZER Step Pyramid (Part II) -- Nonlinear Finite Element Modelling Of Reinforced Concrete Arched Beams With Openings Strengthened With Fiber Reinforced Polymers -- Use of Granite Slurry in Masonry Manufacturing and Wall Construction -- High Performance Materials for Concrete Bridge Construction -- A Machine-Learning Approach for Semantic Matching of Building Codes and Building Information Models (BIMs) for Supporting Automated Code Checking -- Enzyme Induced Carbonate Precipitation (EICP) Cemented Sand Modified with Biopolymer -- Effect of different wind speeds on a seismically designed high-rise building according to different resisting systems.
Sommario/riassunto	This book, about challenges in structural and bridge engineering, brings together contributions to this important area of engineering research. The book presents findings and case studies on fundamental and applied aspects of structural engineering, applied to buildings, bridges, and infrastructures, in general heritage patrimony. The scope of the book focuses on the application of advanced experimental and numerical techniques and new technologies to the built environment.

