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Collana	Lecture Notes in Civil Engineering, , 2366-2565 ; ; 266
Disciplina	624.068
Soggetti	Construction industry - Management Sustainable architecture Sustainability Building materials Buildings - Design and construction Construction Management Sustainable Architecture/Green Buildings Building Materials Building Construction and Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di contenuto	Application of virtual element method for plane stress – plane strain problems -- simulation of reinforced concrete beam shear behavior: contact density model approach -- comparison of masonry wall modelling approaches under in-plane mono- tonic load & cyclic load -- Spherical indentation test to determine metal properties using representative strain concept: a review -- Influence of upstream mature trees on wind loading on the gable roof of a low-rise building – a wind tunnel study -- vortex shedding induced fatigue analysis for high-mast lighting towers -- Modeling of reinforced concrete beam-column joint retrofitting -- Lessons learnt from recent explosions in storage facilities with ammonium nitrate -- Vibration assessment and mitigation of storage building composite slab decks -- Investigation on the existing cracks and structural health monitoring of the oxidation

ditches in a wastewater treatment plant -- A review on the advances in distributed fibre optic sensing technology for structural health monitoring.

Sommario/riassunto

This book highlights advances in the fields of civil engineering and construction industry with a particular focus on Structural Engineering and Construction Management. This book consists of top quality and innovative research papers selected from the proceedings of the 12th ICSECM 2021 under the themes of Innovations in Building Materials, Construction Management, Tall buildings, Concrete Technology and High Performance concrete, Geotechnical Engineering, Water and Waste Water Treatment, CKDu problem in Sri Lanka, Structural Health Monitoring & Design of Resistive Structures, Disaster Risk Reduction and Resilience in the Built Environment, Fibre Reinforced Polymer, Life Cycle Assessment of Buildings and Fire Safety Engineering.
