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| Altri autori (Persone) | ZhangChunwei |
| Disciplina | 620.105 |
| Soggetti | Mechanics, Applied Solids Building materials Sustainable architecture Civil engineering Computer-aided engineering Solid Mechanics Structural Materials Sustainable Architecture/Green Buildings Civil Engineering Computer-Aided Engineering (CAD, CAE) and Design |
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| Nota di contenuto | Spatial correlation of flexural tensile bond strength in unreinforced masonry walls -- Seismic assessment and upgrade of concrete wharf structure -- Modelling compressive strength of concrete incorporating supplementary cementitious materials using machine learning technologies -- Towards the development of a low-carbon emission sandwich panel — a state-of-the-art review -- Toxic leaching and engineering properties of copper contaminated soil cured by magnesium phosphate cement -- Impact of concrete properties on the carbon footprint of a structure when using green concrete -- Impact of corroded galvanised wall ties on the structural integrity of masonry veneer walls -- Mesoscale analysis of rubber particle effect on tensile |

strength of crumb rubber concrete -- Meso-scale numerical creep
Analysis of steel fibre reinforced concrete - effect of aggregate and
fibre content -- Effect of cracks along the rebars on the bond
deterioration under tensile stress in reinforced concrete -- Interface
bonding behaviour of ordinary concrete reinforced with lightweight
high-strength engineered cementitious composite -- Stability
assessment of masonry domes using thrust network analysis in earth
and lunar environments -- Use of innovative materials as ground
improvement technique to mitigate soil liquefaction -- Flexural
behaviour of pultruded GFRP profiles filled with layered composite
panels for railway sleepers.

Sommario/riassunto

This book presents peer reviewed articles from The 26th Australasian Conference on the Mechanics of Structures and Materials (ACMSM26) held in December 2023 at the University of Auckland in New Zealand. Bringing together international experts and leaders to disseminate recent research findings in the fields of structural mechanics, civil engineering and materials, it offers a forum for participants from around the world to review, discuss, and present the latest developments in the broad discipline of mechanics and materials in civil engineering.
