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Nota di contenuto	Building Beyond Boundaries Fuzzy TOPSIS for Sustainable and High Performance Concrete Alternatives -- Studies on biomineralized ternary blended cementitious composites incorporating GGBS and sugarcane bagasse ash -- Mitigating project failure Challenges in developing effective building information modeling execution plans -- Lime Sludge Based Geopolymer Concrete Experimental investigation and life cycle assessment -- Prophecy of Mechanical and Durability characteristics of Sustainable Geopolymer based on Artificial Neural Network -- Assessing The Critical Success Factors Influencing The Efficiency Of Existing Health And Safety Practices In The Construction Industry Of Kerala -- Application of circular economy principles in sustainable

building construction projects -- Flexural behaviour of Geopolymer slabs strengthened with Galvanized iron meshes -- Dynamic Analysis of FRP Retrofitted RC Column subjected to Combined Blast and Seismic Loading -- Influence of Rotational Component of Earthquake on Multistoried Buildings Embedded With Seismic Control Devices.

Sommario/riassunto

This book gathers peer-reviewed contributions presented at the 5th International Conference on Structural Engineering and Construction Management (SECON'24), held in Angamaly, Kerala, India, on 5–7 June 2024. The meeting served as a fertile platform for discussion, sharing sound knowledge and introducing novel ideas on issues related to sustainable construction and design for the future. The respective contributions address various aspects of numerical modeling and simulation in structural engineering, structural dynamics and earthquake engineering, advanced analysis and design of foundations, BIM, building energy management, and technical project management. Accordingly, the book offers a valuable, up-to-date tool and essential overview of the subject for scientists and practitioners alike, and will inspire further investigations and research. .
