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Autore	Li Zongjin
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Nota di contenuto	Seismic Performance Evaluation of Full-Scale Structure Reinforced with EP-BRB -- Experimental Investigation on the Flexural Behaviour of Hybrid Glass Fiber Reinforced Polymer (GFRP)- Steel Reinforced Concrete Beam -- The novel multistable structures: design and mechanism -- Optimal Design of Superelastic Friction Pendulum (S-FP) for Geometry and Material under Cyclic Loading -- Experimental Investigation on Delay Rectification of Honeycomb Defect in Reinforced Concrete Column -- Effects of Chemical and Thermal Treatments on Rice Straw for Fiber-Reinforced Cement Composites: Contact Angle and Functional Group Analysis -- Polypropylene (PP) Bioplastic with Coir Fibers as a Reinforcement in Concrete Composites Using Artificial Neural Networks -- Influence of Chemical Additives on the Physical and Mechanical Properties of High-temperature Cured Oil Well Cement -- Optimization of Waste Plastics Incorporation in Asphalt Concrete Using Simplex Lattice Mixture Design for Enhanced Marshall Stability and Flow Performance -- Utilization of Fly Ash and Bottom Ash on the Geopolymer Concrete for Enhanced Mechanical Performance: An

Optimization Based on Response Surface Methodology -- Assessment of Sustainable Concrete Mixtures: Utilising Alum Sludge as a Partial Cement Replacement and Palm Kernel Shell as a Partial Coarse Aggregate Replacement -- Utilization of Mine Tailings as Partial Fine Aggregate Replacement in Masonry Grout -- Comparative Analysis of The Mechanical Properties of Concrete Using Sheep Wool and Rice Husk Ash In Lima, Peru.

Sommario/riassunto

This book includes the selected contributions from the 10th International Conference on Civil Engineering and Materials Science (ICCEMS 2025), held from July 2, 2025 to July 5, 2025 in Chiang Mai, Thailand. This comprehensive collection of papers covers a wide range of topics including sustainable construction, innovative building materials, structural engineering, transportation infrastructure, and other related topics. The insights and findings presented in these book are invaluable to academics, professionals, and policymakers working in these fields, as well as to anyone seeking to stay informed about the latest advancements in civil engineering and materials science.
