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Nota di contenuto	Enhancing the Load Bearing Capacity and Stability of Weak Soils An Evaluation of Soil Improvement Techniques -- Modification of Concrete with Chemical Additives -- Improvement of the System of Incoming Control During Construction of Facilities with Application of AI in the Arctic Conditions -- Carbonation Studies in Alkali Activated Concrete -- Determination of Temperature Stresses During Construction of a Dock Wall -- Finite Difference Method for Problem of Forced Vibrations of Rod.-Fibrofoam Concretes with Dispersed PolyARM Based on Volcanic Ash -- Evaluation of the Possibility of Using Slag from Out of Furnace Steel Treatment as an Active Mineral Additive for Concrete and Mortars -- Analysis of the Space-Planning Solution of the School in Nalchik for Renovation -- Investigation of the Relationship Between Early Shrinkage Cracking and the Mechanical Properties of Medium Strength Concrete for Cement Floors Based on Fractal Theory.

This book gathers the latest advances, innovations, and applications in the field of construction engineering and architecture, as presented by researchers at the II International Scientific Conference “Recent Advances in Architecture and Construction”, held in Kazan, Russia, on May 14–15, 2024. It covers highly diverse topics, including engineering structures, advanced concrete technologies, durable structures, smart structures and materials, smart cities, architectural and environmental design, modern trends in the development of architectural typology, sustainable urban planning, built environment, construction technologies, and construction management. The contributions, which were selected by means of a rigorous international peer-review process, highlight numerous exciting ideas that will spur novel research directions and foster multidisciplinary collaborations. .

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