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-- Chapter 8: Analysis of the deformability of railroad ballast based on the concept of the shakedown limit -- Chapter 9: Use of loess stabilized with hydraulic binder as construction material of the capping layer and the subbase course layer of a road structure -- Chapter 10: Development of Artificial Intelligence-Based Rutting Damage Prediction Models for Granular Roads under Superload Traffic. etc.

Sommario/riassunto

This book presents select proceedings of the 5th International Conference on Transportation Geotechnics (ICTG 2024). It includes papers on ground improvement methodologies, dynamics of transportation infrastructure, and geotechnical intricacies of mega projects. It covers topics such as underground transportation systems and heights of airfields and pavements. This book discusses diverse thematic landscapes, offering profound explorations into sensor technologies, data analytics, and machine learning applications. The publication highlights advanced practices, latest developments, and efforts to foster collaboration, innovation, and sustainable solutions for transportation infrastructure worldwide. The book can be a valuable reference for researchers and professionals interested in transportation geotechnics.