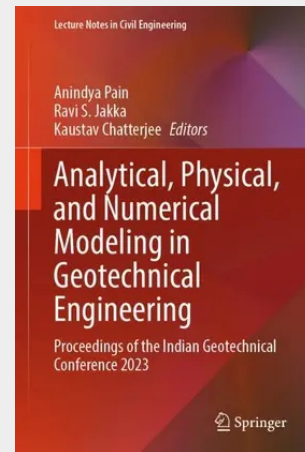


Analytical, Physical, and Numerical Modeling in Geotechnical Engineering

Proceedings of the Indian Geotechnical Conference 2023

This book comprises select proceedings of the annual conference of the Indian Geotechnical Society. The conference brings together researchers, practitioners, and academicians on various aspects of geotechnical and geoenvironmental engineering. The book will present papers on various geotechnical applications, covering topics such as (i) AI/ML applications in geotechnical engineering, ii) Analytical, physical and numerical methods, iii) Geoinformatics applications in geotechnical engineering, iv) Case studies, v) Dams/embankments, vi) Foundation Engineering, vii) Geoenvironmental Engineering, viii) Geohazards risk reduction and probabilistic analysis, ix) Characterization of geomaterials and site investigations, x) Geosynthetics engineering, xi) Geotechnical earthquake engineering, xii) Ground improvement, xiii) Landslides and slope stability, xiv) Offshore geotechnical engineering, xv) Rock mechanics and rock engineering, xvi) Sustainability in geotechnical engineering, xvii) Tunnelling and underground construction, xviii) Unsaturated soil mechanics, and other related topics. The contents of this book will not only be of interest to researchers but also to practicing engineers.

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