

## Civil Engineering Monash University

This volume presents the proceedings of the first major international conference for over twenty years on the state-of-the-art of ground anchorage technology. Leading researchers and practitioners from around the world came together to discuss all the aspects of design, construction and performance of ground anchorages for the use in stabilisation of structures, excavations and slopes. Practical issues relating to construction and installation of anchorages are considered in a series of examples of engineering projects from around the world. Reviews of new national and international standards of construction are also presented along with current practice in different countries.

"Advances in FRP Composites in Civil Engineering" contains the papers presented at the 5th International Conference on Fiber Reinforced Polymer (FRP) Composites in Civil Engineering in 2010, which is an official conference of the International Institute for FRP in Construction (IIFC). The book includes 7 keynote papers which are presented by top professors and engineers in the world and 203 papers covering a wide spectrum of topics. These important papers not only demonstrate the recent advances in the application of FRP composites in civil engineering, but also point to future research endeavors in this exciting area. Researchers and professionals in the field of civil engineering will find this book is exceedingly valuable. Prof. Lieping Ye and Dr. Peng Feng both work at the Department of Civil Engineering, Tsinghua University, China. Qingrui Yue is a Professor at China Metallurgical Group Corporation. The range of fibre-reinforced polymer (FRP) applications in new construction, and in the

retrofitting of existing civil engineering infrastructure, is continuing to grow worldwide. Furthermore, this progress is being matched by advancing research into all aspects of analysis and design. The Second International Conference on FRP Composites in At present, deep earth resources remain poorly understood and entirely under-utilised. There is a growing appreciation of the important role deep earth will play in future sustainability, particularly in opportunities for new and sustainable large-scale energy alternatives, and extraction of resources through mining and greenhouse mitigation. Deep Rock Mechanics: From Research to Engineering is a collection of papers on the effective development of deep earth resources, which were presented at the International Conference on Geo-mechanics, Geo-Energy and Geo-Resources 2018 (Chengdu, P.R. China, 22-24 September 2018). The contributions aim at breaking beyond existing patterns of discovery, to advance research on geomechanical and geophysical processes in deep earth resources and energy development, enhancing deep earth energy and mineral extraction and mitigating harmful atmospheric emissions. Deep Rock Mechanics: From Research to Engineering covers a wide range of topics: 1. Deep rock mechanics and mining theory 2. Water resources development and protection 3. Unconventional oil and gas extractions 4. CO2 sequestrations technologies and nuclear waste disposal 5. Geothermal energy 6. Mining engineering 7. Petroleum engineering 8. Geo-environmental engineering 9. Civil geotechnical engineering Deep Rock Mechanics: From Research to Engineering promotes safer and

greener ways for energy and resource production at great depth, and will serve as a must-have reference for academics and professionals involved or interested in geo-mechanics, geo-energy, and geo-resources.

This volume draws on the experience and extensive research of an international authorship to bring together details on slope stability, causes of landslides, landslide prevention, new techniques for assessing and predicting stability, new methods for stabilising slopes and the special considerations for coastal situations.

Department of Civil Engineering, Monash University

Features the Department of Civil Engineering within the Faculty of Engineering at Monash University. Describes the discipline areas and activities at its two campuses. Highlights research activities and upcoming events.

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