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Emerging Technologies in Tunnel Engineering, Modeling, Design, Construction, Repair, and Rehabilitation

Edited by

James C. Ni, Ph.D., P.E.

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July 25–27, 2016
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Preface

This Geotechnical Special Publication contains 34 peer-reviewed technical papers presented at the 4th GeoChina International Conference: *Sustainable Civil Infrastructures: Innovative Technologies for Severe Weathers and Climate Changes*, which took place in Shandong, China, from July 25 to 27, 2016. This proceeding examines topics such as:

- Tunnel Management and Inventory, Monitoring and Settlement Control
- Emerging Technologies, Lining Design & Precast Segment Advances
- Innovation in Tunneling Design, Construction, Repair, Rehabilitation
- Fire & Life Safety, Vulnerability & Security
- Tunneling in Soft Ground, Ground Conditioning and Modification
- Advanced prediction technology of tunnel construction geology
- Deep excavations and urban tunneling

This publication should be valuable to geotechnical engineering professors and students, as well as geotechnical engineers and professionals.

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