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Dynamic Soil-Structure Interaction for Sustainable Infrastructures

Proceedings of the 2nd GeoMEast International Congress and Exhibition on Sustainable Civil Infrastructures, Egypt 2018 – The Official International Congress of the Soil-Structure Interaction Group in Egypt (SSIGE)

- Includes twenty peer-reviewed papers, submitted by renowned international researchers, covering a wide range of topics in soil-structure-interaction and soil dynamics
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- Includes studies on the response of laterally loaded piles on sloping ground, seismic response of retaining walls, soil liquefaction, utilizing piles as a mitigation to landslides and centrifuge modeling of mine tailings
- Contribute to the further development of techniques and innovative approaches in soil-structure-interaction
- Serves directly the practitioners and the professionals interested in advancing the role of innovative geotechnology in developing sustain

This volume focuses on the role of soil-structure-interaction and soil dynamics. It discusses case studies as well as physical and numerical models of geo-structures. It covers: Soil-Structure-Interaction under static and dynamic loads, dynamic behavior of soils, and soil liquefaction. It is hoped that this volume will contribute to further advance the state-of-the-art for the next generation infrastructure as a key to creating a sustainable community affecting our future well-being as well as the economic climate. The volume is based on the best contributions to the 2nd GeoMEast International Congress and Exhibition on Sustainable Civil Infrastructures, Egypt 2018 – The official international congress of the Soil-Structure Interaction Group in Egypt (SSIGE).

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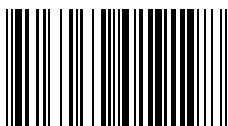
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