IFCEE 2024

GSP 354

Drilled and Driven Foundations and Innovative and Emerging Approaches for Foundation Engineering

Selected Papers from the International Foundations Congress and Equipment Expo 2024

Dallas, Texas | May 7–10, 2024

ASCE

EDITED BY

Diane M. Moug, Ph.D.

G-I GEO-INSTITUTE ASCE

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Preface

This is the first volume of two Geotechnical Special Publications (GSP) containing papers from the 2024 International Foundations Congress and Equipment Expo (IFCEE) proceedings. This volume, *Drilled and Driven Foundations and Innovative and Emerging Approaches for Foundation Engineering*, contains papers that cover advances and case histories of drilled and driven foundations, as well as papers that describe the foundation industry's recent innovations in design, analysis, construction, monitoring, and soil amendment.

This IFCEE was held in Dallas, Texas, from May 7 to 10, 2024. The 2024 IFCEE was organized in partnership by the International Association of Foundation Drilling (ADSC), Deep Foundations Institute (DFI), Geo-Institute of ASCE (G-I), and Piledriving Contractors Association (PDCA). The 2024 event is the sixth IFCEE, following previous meetings in 2009, 2012, 2015, 2018, and 2021. IFCEE is a landmark event for industry leaders to share the most current developments in equipment, design, and research with an international audience representing contractors, engineers, researchers, government agencies, students, and other geo-professionals. In addition to technical sessions, special sessions, and keynote lectures, the event includes a large indoor and outdoor exhibition to showcase services and equipment advances and capabilities.

IFCEE 2024 and the technical proceedings represent two years of planning by the partner organizations and the technical program committee. All papers in the proceedings were compiled after an international call for abstracts, abstract review by the technical program committee, and a peer review process that followed the ASCE GSP standards. Each paper was accepted into the proceedings after receiving two favorable reviews by peer reviewers. The paper review process was managed by the five technical track chairs. These proceedings include 94 technical papers that were presented at IFCEE 2024 in 15 technical sessions and a poster session, in addition to keynote presentations and special sessions.

As the Editor of these proceedings, I would like to express sincere thanks for the opportunity to be part of IFCEE's organization and compilation of these proceedings. The IFCEE and proceedings are only possible due to substantial time and effort contributed by the partner organizations, technical program committee, and session moderators. Particular thanks must be given to those who facilitated and contributed to the peer review process. I hope that these technical proceedings will serve the foundation construction industry's continued advancement and be of use to the geotechnical engineering community over the coming years.

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