



Springer books available as

 Printed book

Available from springer.com/shop

 eBook

Available from your library or

► springer.com/shop

 MyCopy

Printed eBook for just

► € | \$ 24.99

► springer.com/mycopy

Geotechnical, Geological and Earthquake Engineering

Series Ed.: A. Ansal

The book series entitled *Geotechnical, Geological and Earthquake Engineering* has been initiated to provide carefully selected and reviewed information from the most recent findings and observations in these engineering fields.

Researchers as well as practitioners in these interdisciplinary fields will find valuable information in these book volumes, contributing to advancing the state-of-the-art and state-of-the-practice.

This book series comprises monographs, edited volumes, handbooks as well as occasionally symposia and workshop proceedings volumes on the broad topics of geotechnical, geological and earthquake engineering. The topics covered are theoretical and applied soil mechanics, foundation engineering, geotechnical earthquake engineering, earthquake engineering, rock mechanics, engineering geology, engineering seismology, earthquake hazard, etc.

Prospective authors and/or editors should consult the **Series Editor Atilla Ansal** for more details. Any comments or suggestions for future volumes are welcomed.

EDITORS AND EDITORIAL BOARD MEMBERS IN THE GEOTECHNICAL, GEOLOGICAL AND EARTHQUAKE ENGINEERING BOOK SERIES:

Series Editor: Atilla Ansal Ozyegin University School of Engineering
Alemdag Çekmeköy 34794 Istanbul Turkey Email: atilla.ansal@ozyegin.edu.tr

Advisory Board Julian J. Bommer Imperial College Department of Civil & Environmental Engineering Imperial College Road London SW7 2AZ United Kingdom Email: j.bommer@imperial.ac.uk

Jonathan D. Bray University of California, Berkeley Department of Civil and Environmental Engineering 453 David Hall Berkeley, CA 94720 USA Email: jonbray@berkeley.edu

Kyriazis Pitilakis Aristotle University Thessaloniki Department of Civil Engineering Laboratory of Soil Mechanics and Foundations University Campus 54124 Thessaloniki Greece Email: pitilakis@civil.auth.gr

Susumu Yasuda Tokyo Denki University Department of Civil and Environmental Engineering Hatoyama-Cho Hiki-gun Saitama 350-0394 Tokyo Japan Email: yasuda@g.dendai.ac.jp

Recently published:

D. Kober, M. De Stefano, Z. Zembaty (Eds.)

Seismic Behaviour and Design of Irregular and Complex Civil Structures III

Vol. 48

Submission information at the [series homepage](http://serieshomepage) and springer.com/authors

Order online at springer.com ► or for the Americas call (toll free) 1-800-SPRINGER ► or email us at: customerservice@springer.com. ► For outside the Americas call +49 (0) 6221-345-4301 ► or email us at: customerservice@springer.com.

