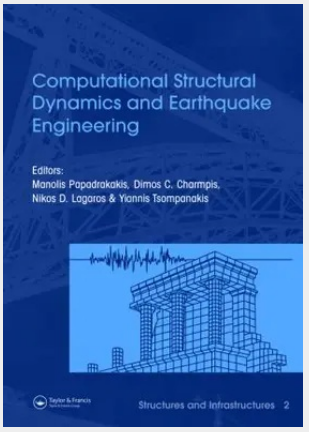
Papadrakakis / Charmpis / Tsompanakis

Computational Structural Dynamics and Earthquake Engineering



The increasing necessity to solve complex problems in Structural Dynamics and Earthquake Engineering requires the development of new ideas, innovative methods and numerical tools for providing accurate numerical solutions in affordable computing times. This book presents the latest scientific developments in Computational Dynamics, Stochastic Dynamics, Structural Dynamics and Earthquake Engineering in thirty-five self-contained contributions. The selected state-of-the-art chapters are revised and extended versions of the papers which were presented as plenary, semi-plenary and keynote lectures at the thematic COMPDYN 2007 Conference. This volume will benefit researchers and engineering professionals working on structural dynamics, earthquake engineering and computational mechanics. Readers will get acquainted with advanced computational methods and software tools, which can assist them in tackling complex problems in dynamic/seismic analysis and design. Moreover, it will raise the awareness of important application areas and the social impact of the scientific and technical fields involved.

The increasing necessity to solve complex problems in Structural Dynamics and Earthquake Engineering requires the development of new ideas, innovative methods and numerical tools for providing accurate numerical solutions in affordable computing times. This book presents the latest scientific developments in Computational Dynamics, Stochastic Dynamics, Structural Dynamics and Earthquake Engineering in thirty-five self-contained contributions. The selected state-of-the-art chapters are revised and extended versions of the papers which were presented as plenary, semi-plenary and keynote lectures at the thematic COMPDYN 2007 Conference. This volume will benefit researchers and engineering professionals working on structural dynamics, earthquake engineering and computational mechanics. Readers will get acquainted with advanced computational methods and software tools, which can assist them in tackling complex problems in dynamic/seismic analysis and design. Moreover, it will raise the awareness of important application areas and the social impact of the scientific and technical fields involved.

230,50 €
215,42 € (zzgl. MwSt.)

Nicht mehr lieferbar

Artikelnummer: 9780415452618
Medium: Buch
ISBN: 978-0-415-45261-8
Verlag: CRC Press
Erscheinungstermin: 04.12.2008
Sprache(n): Englisch
Auflage: 1. Auflage 2008
Serie: Structures and Infrastructures
Produktform: Gebunden
Gewicht: 1315 g
Seiten: 670
Format (B x H): 174 x 246 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)