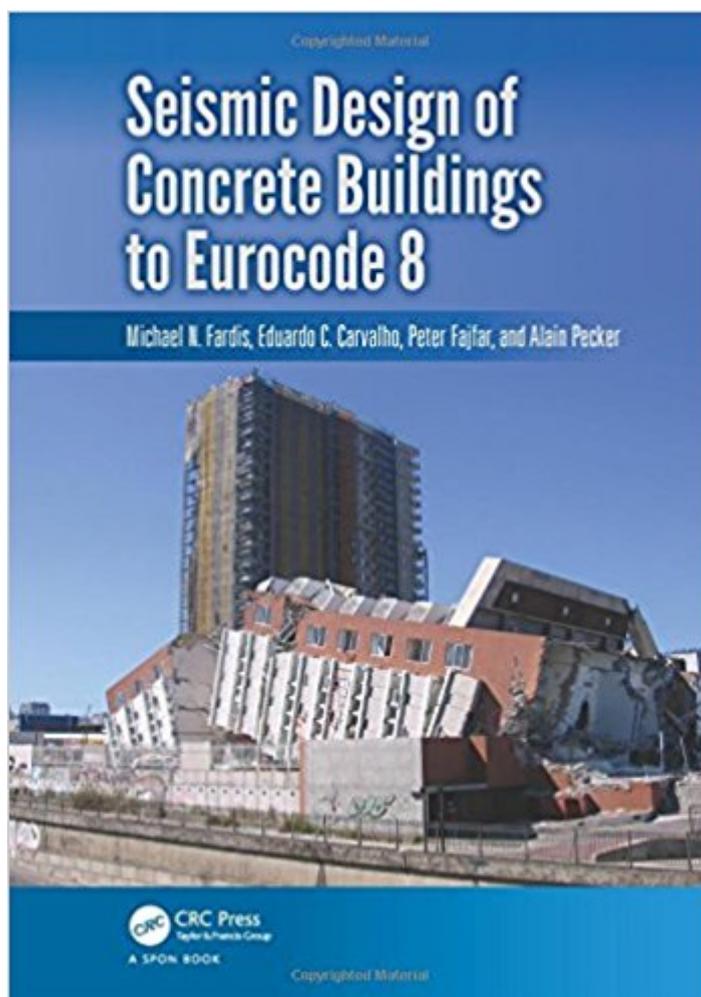


The book was found

Seismic Design Of Concrete Buildings To Eurocode 8



Synopsis

An Original Source of Expressions and Tools for the Design of Concrete Elements with Eurocode
Seismic design of concrete buildings needs to be performed to a strong and recognized standard. Eurocode 8 was introduced recently in the 30 countries belonging to CEN, as part of the suite of Structural Eurocodes, and it represents the first European Standard for seismic design. It is also having an impact on seismic design standards in countries outside Europe and will be applied there for the design of important facilities. This book: Contains the fundamentals of earthquakes and their effects at the ground level, as these are affected by local soil conditions, with particular reference to EC8 rules Provides guidance for the conceptual design of concrete buildings and their foundations for earthquake resistance Overviews and exemplifies linear and nonlinear seismic analysis of concrete buildings for design to EC8 and their modelling Presents the application of the design verifications, member dimensioning and detailing rules of EC8 for concrete buildings, including their foundations Serves as a commentary of the parts of EC8 relevant to concrete buildings and their foundations, supplementing them and explaining their proper application
Seismic Design of Concrete Buildings to Eurocode 8 suits graduate or advanced undergraduate students, instructors running courses on seismic design and practicing engineers interested in the sound application of EC8 to concrete buildings. Alongside simpler examples for analysis and detailed design, it includes a comprehensive case study of the conceptual design, analysis and detailed design of a realistic building with six stories above grade and two basements, with a complete structural system of walls and frames. Homework problems are given at the end of some of the chapters.

Book Information

Paperback: 419 pages

Publisher: CRC Press; 1 edition (February 8, 2015)

Language: English

ISBN-10: 1466559748

ISBN-13: 978-1466559745

Product Dimensions: 6.9 x 1 x 9.9 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars [See all reviews](#) (1 customer review)

Best Sellers Rank: #2,632,633 in Books (See Top 100 in Books) #105 in [Books > Engineering & Transportation > Engineering > Civil & Environmental > Seismic Design](#) #280 in [Books >](#)

Customer Reviews

"The book is very easy to follow, written with clear language and raises seismic design questions in very practical way treating real case problems what helps in better understanding of seismic issues covered by EC 8.I think it will be very helpful to all categories starting from students, graduate engineers and experienced practitioners.I give four stars only because author concentrating on quality text disrigarded graphical part of the book which is poorly presented and edited.

[Download to continue reading...](#)

Seismic Design of Concrete Buildings to Eurocode 8 2012 IBC Structural/Seismic Design Manual
Volume 3: Examples for Concrete Buildings Seismic Design of Reinforced Concrete and Masonry
Buildings Seismic Design of Reinforced and Precast Concrete Buildings Seismic Design of
Reinforced Concrete Buildings Concrete Buildings in Seismic Regions 2012 IBC Structural/Seismic
Design Manual Volume 4: Examples for Steel-Framed Buildings Designers' Guide to Eurocode 8:
Design of Bridges for Earthquake Resistance (Designers' Guide to Eurocodes) Ron Bacardi y
Compania, S. A., Administration Building (Cuba) & Other Buildings & Projects (Cuba and Other
Buildings and Projects) ASD/LRFD Wind and Seismic: Special Design Provisions for Wind and
Seismic with Commentary (2008) Seismic Design Aids for Nonlinear Pushover Analysis of
Reinforced Concrete and Steel Bridges (Advances in Earthquake Engineering) Seismic Loads:
Guide to the Seismic Load Provisions of ASCE 7 - 10 Seismic Loads: Guide to the Seismic Load
Provisions of ASCE 7-05 Seismic Stratigraphy, Basin Analysis and Reservoir Characterisation
(Handbook of Geophysical Exploration: Seismic Exploration) Black & Decker The Complete Guide
to Concrete & Masonry, 4th Edition: Build with Concrete, Brick, Block & Natural Stone (Black &
Decker Complete Guide) Corrosive Signs: Essays on Experimental Poetry (Visual, Concrete,
Alternative) (Visual, Concrete, Alternative) Seismic Design of Building Structures: A Professionals
Introduction to Earthquake Forces and Design Details Seismic Design of Building Structures: A
Professional's Introduction to Earthquake Forces and Design Details, 8th ed. SEAOC
Structural/Seismic Design Manual 2009 IBC Vol 2: Building Design Examples for Light-Frame,
Tilt-up and Masonry Concrete Mix Design (Mix Design Methods Book 1)

Contact Us

DMCA

[Privacy](#)

[FAQ & Help](#)