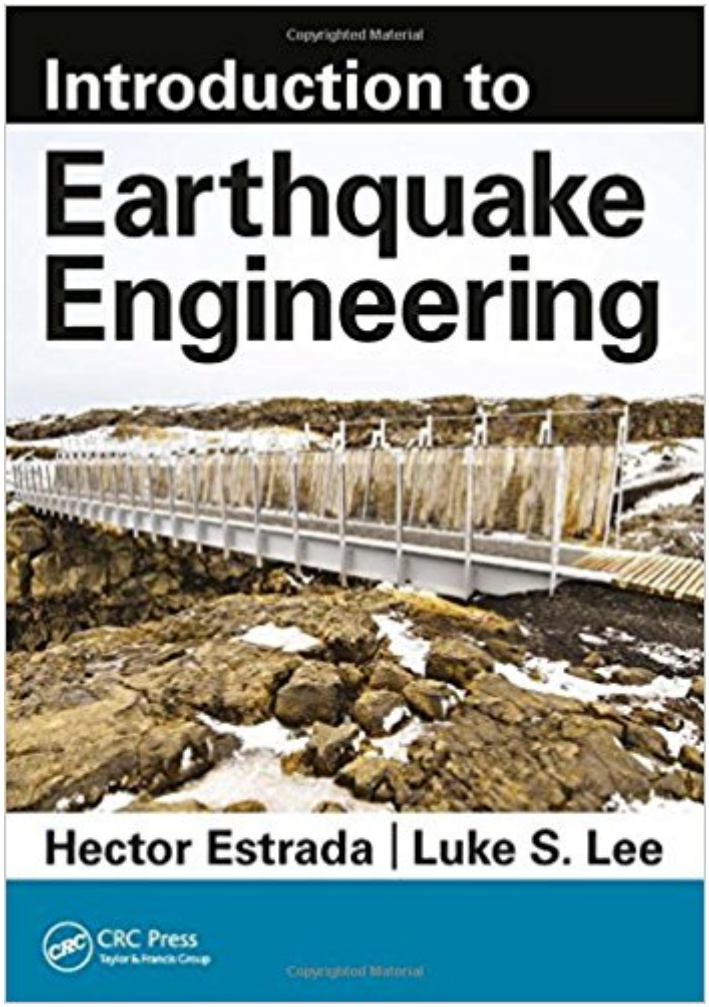
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Introduction To Earthquake Engineering



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Synopsis

This book is intended primarily as a textbook for students studying structural engineering. It covers three main areas in the analysis and design of structural systems subjected to seismic loading: basic seismology, basic structural dynamics, and code-based calculations used to determine seismic loads from an equivalent static method and a dynamics-based method. It provides students with the skills to determine seismic effects on structural systems, and is unique in that it combines the fundamentals of structural dynamics with the latest code specifications. Each chapter contains electronic resources: image galleries, PowerPoint presentations, a solutions manual, etc.

Book Information

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does not confuse the students with a lot of extra information. I really like the idea of the solutions to example problems prepared using computer programming methods."Ã¢â ¬â ¢Constantinos Repapis, Piraeus University of Applied Sciences, Aigaleo, Greece "The book has been written in plain English explaining in details phenomena that could be challenging for beginners. It also expounded the different types of earthquakes and their origins, similarities and differences. The book is designed for engineering students but I believe that it includes some good information for students from different backgrounds." Ã¢â ¬â ¢Nebil Achour, Anglia Ruskin University, Cambridge, United Kingdom

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