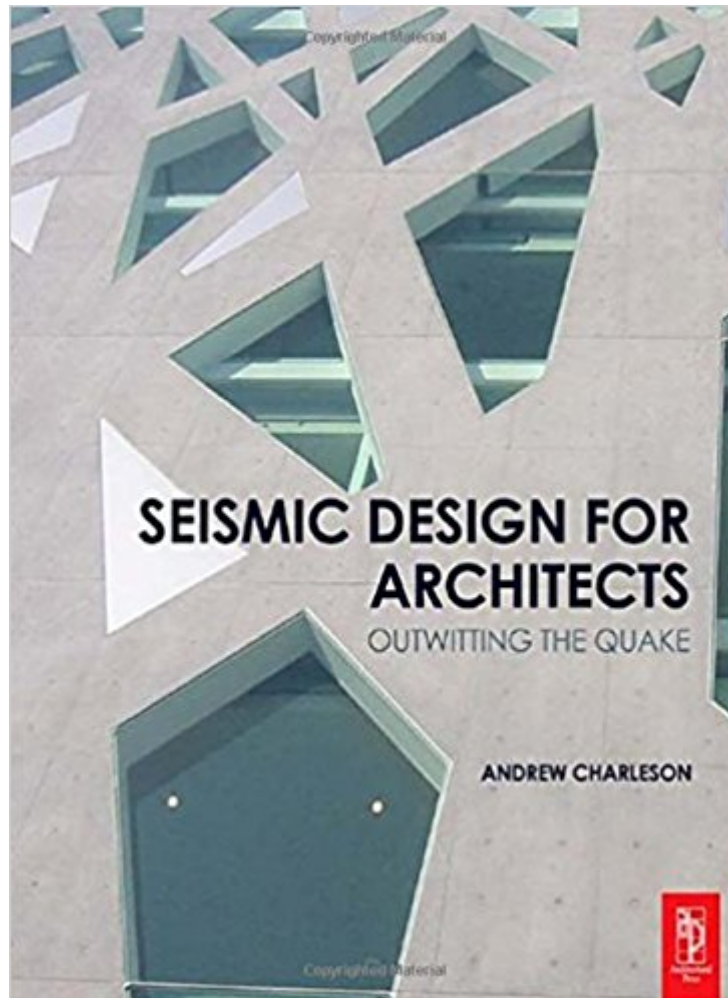




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Seismic Design For Architects



Synopsis

Seismic Design for Architects shows how structural requirements for seismic resistance can become an integral part of the design process. Structural integrity does not have to be at the expense of innovative, high standard design in seismically active zones.* By emphasizing design and discussing key concepts with accompanying visual material, architects are given the background knowledge and practical tools needed to deal with aspects of seismic design at all stages of the design process * Seismic codes from several continents are drawn upon to give a global context of seismic design * Extensively illustrated with diagrams and photographs* A non-mathematical approach focuses upon the principles and practice of seismic resistant design to enable readers to grasp the concepts and then readily apply them to their building designsSeismic Design for Architects is a comprehensive, practical reference work and text book for students of architecture, building science, architectural and civil engineering, and professional architects and structural engineers.

Book Information

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Customer Reviews

While most technical books on earthquake-resistant building design are laden with formulas and arcane language useful only to structural engineers, it is good to find with Professor Charleson's book one that clearly states the concepts that lead to good design practices that contribute to building safety in earthquake areas. In fact, many engineers in different countries would benefit from this book - both for the purpose of helping them explain concepts better to their clients and their

consulting architects, and to better understand the design principles specific to earthquake resistance themselves. I would also recommend this book not only to architects, but to many government officials who would benefit from a better understanding of earthquake resistant design. Andrew Charleson is from New Zealand, a country that has contributed many innovations in this field. He has also traveled and taught in other countries. His book, better than many from the United States, addresses the kinds of construction, including masonry infilled reinforced concrete frame construction, that are more commonly found in earthquake hazard regions in other parts of the world remote from North America, including India, Pakistan, the Middle East, North Africa and Europe. Prof. Charleson has also referenced some of the icons of the Modern movement, such as Le Corbusier's Villa Savoye, by analyzing them as if it were in an earthquake area, to illustrate the kind of thinking that needs to be embraced early on in the creative design process. My complements also for the simple, consistent, yet effective computer generated graphics, and the choice of photographs from a variety of earthquake damage districts to illustrate the concepts. I highly recommend this book.

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