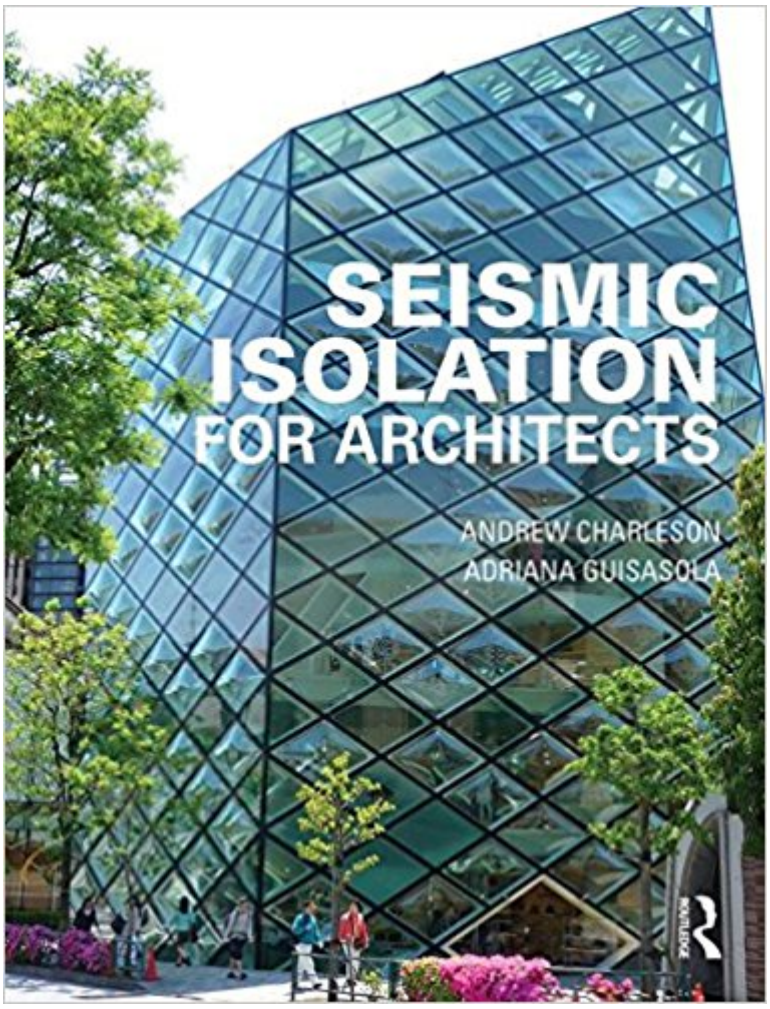
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Seismic Isolation For Architects



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Synopsis

Seismic isolation offers the highest degree of earthquake protection to buildings and their inhabitants. Modern applications of the technology are less than 50 years old and uptake in seismically active regions continues to soar. Seismic Isolation for Architects is a comprehensive introduction to the theory and practice in this field. Based on the latest research findings and the authorsÃ¢â ¬â„¢ extensive experience, coverage includes the application, effectiveness, benefits, and limitations of seismic isolation, as well as the architectural form, design aspects, retrofitting, economics, construction, and maintenance related to this method. The book is written for an international audience: the authors review codes and practices from a number of countries and draw on examples from eleven territories including the US, Chile, Argentina, Italy, Japan, and New Zealand. Aimed at readers without prior knowledge of structural engineering, the book provides an accessible, non-technical approach without using equations or calculations, instead using over 200 drawings, diagrams and images to support the text. This book is key reading for students on architecture and civil engineering courses looking for a clear introduction to seismic-resistant design, as well as architects and engineers working in seismically active regions.

Book Information

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Customer Reviews

"I believe that this very well written and documented book will be very useful to architects worldwide. In fact, it explains the features and advantages of seismic isolation in a very useful way to

architects, by stressing the fact that, thanks to this technique, it is possible not only to make buildings much safer at limited additional construction costs (if any), but also to allow for adopting architectural solutions that could never be applicable to conventionally founded buildings." - Alessandro Martelli, President of the Italian Association GLIS, Founding President and present Vice-President of the Anti-Seismic Systems International Society (ASSISi), and former Professor of "Constructions in Seismic Areas" at the Faculty of Architecture of the University of Ferrara, Italy

Andrew Charleson is an Associate Professor at the School of Architecture, Victoria University of Wellington, New Zealand. A structural engineer with many years' earthquake engineering experience, he now teaches Structures. He has previously authored two books, Seismic Design for Architects and Structure as Architecture. Adriana Guisasola is an architect and Associate Professor in Structures at the Faculty of Architecture, Urban Planning and Design, Mendoza University, Argentina. She is in the process of completing her doctoral thesis on "Architecture and Base Isolation". She has authored many papers for world conferences on earthquake engineering and seismic isolation, energy dissipation, and active vibration control of structures. Between them, the authors have been actively involved in the design and construction of three seismically isolated buildings and have visited and studied over 60 more in 11 different countries.

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