

Earthquake Resistant Engineering Structures X



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Earthquake Resistant Engineering Structures X

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Preface

This volume contains some of the papers presented at the 10th International Conference on Earthquake Resistant Engineering Structures (ERES), organised by the Wessex Institute, in Opatija, Croatia. The meeting was sponsored by the International Journal of Sustainable Development and Planning, the International Journal of Safety and Security Engineering, and the International Journal of Computational Methods and Experimental Measurements.

The conference series began in Thessaloniki, Greece in 1997, followed by Catania, Italy in 1999; Malaga, Spain in 2001; Ancona, Italy (2003); Skiathos, Greece (2005); Bologna, Italy (2007); Cyprus (2009); Tuscany, Italy (2011); and A Coruña, Spain (2013).

The meeting provides a unique forum for the discussion of basic and applied research in the various fields of earthquake engineering relevant to the design of structures. The problem of protecting the built environment in earthquake-prone regions involves not only the optimal design and construction of new facilities, but also the upgrading and rehabilitation of existing structures including heritage buildings. The type of highly specialized retrofitting employed to protect the built heritage is an important area of research and appropriate to the conference objective of designing better earthquake resistant buildings.

This ERES conference strives to address these problems continuing to expand on the development of previous meetings in the series. Papers presented at ERES are an invaluable record of the state of the art in this field. Most of those published since 1997 are now freely available on the Wessex Institute eLibrary (<http://library.witpress.com/>), where they are a permanent record demonstrating the quality of the research presented at the ERES conference series.

The Editor is grateful to the members of the International Scientific Advisory Committee and other colleagues who have helped to select the papers in this book, as well as to all authors for their collaboration.

The Editor
Opatija, Croatia
2015

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Section 1

Building performance during earthquakes