Earthquake Resistant Engineering Structures VII

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EARTHQUAKE RESISTANT ENGINEERING STRUCTURES

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Preface

This book presents papers on advances in research and engineering practice in topics related to the 7th International Conference on Earthquake Resistant Engineering Structures (ERES). The field of earthquake engineering has seen continuous activity during the last few years. The main advances have been on the seismic resistant design of engineering structures and in the upgrading and rehabilitation of existing built environments. Some of these new developments are reflected in original types of design as well as in the recent improvements in many seismic codes around the world.

The Conference discussed the state of the art in structures subjected to earthquakes, including the geological aspects, the behaviour of historical buildings, problems related to retrofitting, base isolation and energy dissipation systems, plus a range of applications and case studies.

The Conference series began in Thessaloniki, Greece 1996, followed by Catania, Italy 1999; Malaga, Spain 2001; Ancona, Italy 2003; Skiathos, Greece 2005; and Bologna, Italy 2007. The meetings provide 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 resulting Conference Proceedings issued since 1996 by WIT Press of Southampton facilitate the transfer of knowledge between scientists, researchers and the practitioners. The papers are all available in the Transactions of the Wessex Institute which is the permanent archive for the papers presented at all the ERES International Conferences (http://library.witpress.com).

The Editors of this volume would like to thank all the authors and participants, as well as the members of the International Scientific Advisory Committee for their support. The Conference has been co-organized by the Wessex Institute of Technology and the University of Cyprus.

The Editors,
Cyprus 2009

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