

G. MAGENES



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Guido Magenes is Associate Professor of Structural Engineering at the Department of Structural Mechanics at the Università di Pavia. He took his Laurea degree at the Università di Pavia (1986), his MSc in 1989 at the University of California San Diego and his PhD in 1992 at the Politecnico di Milano. In 1995, Dr. Magenes became Assistant Professor of Structural Engineering at the Università di Pavia, obtaining the position of Associate Professor in the year of 2000. He is presently the coordinator of the Civil and Environmental Engineering curricula of the Faculty of Engineering. He is also member of the teaching body of the international graduate school in Earthquake Engineering "ROSE", and member of the research staff of the European Centre for Training and Research in Earthquake Engineering (EUCENTRE), recently established in Pavia. He has served in the drafting panel of the new Italian seismic design code OPCM 3274/3431 for the chapters "Design of masonry buildings" and "Assessment and retrofit of existing masonry buildings" and is member of the national committees for Eurocode 6 and Eurocode 8 (UNI-SC6 and UNI-SC8). Dr. Magenes has twenty years of research experience in the area of seismic analysis, design, assessment and testing of structures with special emphasis on masonry structures and has been the scientific responsible of numerous funded national and international research projects.

SELECTED RECENT PUBLICATIONS:

Calvi, G.M., R.Pinho and G. Magenes, "Traditional and innovative methods for seismic vulnerability assessment at large geographical scales", in *The 1755 Lisbon earthquake: revisited*, Springer, 2008, 197-220

Morandi, P., Magenes, G., Griffith, M.C., "Second order effects in out-of-plane strength of unreinforced masonry walls subjected to bending and compression", *Australian Journal of Structural Engineering*, Vol. 8, No.2, 2008, pp. 133-144.

Magenes, G., "Masonry building design in seismic areas: recent experiences and prospects from a European standpoint", Keynote Lecture 9, 1st European Conference on Earthquake Engineering and Seismology, Geneva, Switzerland, 3-8 September 2006

Bommer, J.J., Magenes, G., Penazzo, P., Hancock, J. "The Influence of Strong-Motion Duration on the Seismic Response of Masonry Structures", *The Bulletin of Earthquake Engineering*, Vol. 2, No.1, Kluwer, 2004.

Griffith, M.C., Magenes, G., Melis, G., Picchi, L., "Evaluation of out-of-plane stability of unreinforced masonry walls subjected to seismic excitation", *Journal of Earthquake Engineering*, Vol. 7, Special issue 1, 2003, pp. 141-169.

Pampanin S, Magenes G., Carr A., "Modelling of shear hinge mechanism in poorly detailed RC beam-column joints", *Proceedings of the FIB 2003 Symposium*, May 6-8, Athens, Greece, Technical Chamber of Greece, CD-ROM, 2003.

Calvi, G.M., Magenes, G., Pampanin, S., "Relevance of beam-column joint damage and collapse in rc frame assessment", *Journal of Earthquake Engineering*, Vol. 6, Special Issue 1, 2002, pp.75-100.

Magenes, G., "A method for pushover analysis in seismic assessment of masonry buildings", 12th World Conference on Earthquake Engineering, Auckland, New Zealand, January 30-February 4, 2000 (CD-ROM).