

SHORT CURRICULUM VITAE

Name - João José R. T. Azevedo
Birth place - Lisbon, Portugal
Birth date - February 22, 1953
Professional activity - Professor (Technical University of Lisbon) - Civil Engineer
Spoken languages - Portuguese, English, French, Spanish, Italian.

Academic degrees

“Agregado” in Civil Engineering, Technical University of Lisbon, 1995.
Doctor of Philosophy (Ph. D.) in Civil Engineering, Stanford University, U.S.A., 1984.
Master of Science (M. Sc.) in Structural Engineering, Stanford University, U.S.A., 1980.
“Licenciado” in Civil Engineering (Structures), Instituto Superior Técnico, Lisbon, 1976.

Main fields of expertise

- Professor of Earthquake Engineering, Structural Dynamics and Strength of Materials.
- Research in the fields of Earthquake Engineering and Structural Dynamics, having supervised 14 dissertations in these fields.
- Consulting activities in the fields of Earthquake Engineering and Structural Dynamics at IST.
- Licensed structural designer at the design office AXIS-Civil Eng. Consultants.
- Participation in several Portuguese and European research projects as co-ordinator and partner.
- Participation in several post-earthquake reconnaissance teams (structural assessment).

Professional activities

- Assistant Professor, Applied Mechanics Division, Civil Engineering Department, I.S.T., April 1985 to April 1986.
- Associate Professor, Applied Mechanics Division, Civil Engineering Department, I.S.T., from April 1986 to June 1999, with tenure since April 1991.
- Vice-President of the Civil Engineering Department, I.S.T., January 1993 to December 1994.
- President of the Research Centre “Institute for Structural Engineering and Construction - I.S.T”, from July 1995 to December 1998.
- Full Professor, Structural Mechanics and Structures Division, Civil Engineering and Architecture Department, I.S.T., since June 1999.
- Consultant for the European Commission (EC) and the Portuguese Scientific Research Institute (FCT), as evaluator of research projects and related activities.

Membership of Professional and Scientific Associations

- Portuguese Engineers Association.
- Portuguese Earthquake Engineering Association.
- Portuguese Association for Experimental Stress Analysis.
- TWG1.3 (Seismic Design) of the European Convention for Structural Steelwork.
- Earthquake Engineering Research Institute - U.S.A.
- Civil Engineering European Courses Advisory Board.
- World Seismic Safety Initiative (WSSI) Board of Directors

Main Publications

Books

MENDES-VICTOR, L.; OLIVEIRA, C. S.; AZEVEDO, J. J.; RIBEIRO A. (EDS.); **2008** - "The 1755 Lisbon Earthquake Revisited", Springer.

OLIVEIRA, C. S.; AZEVEDO, J. J.; DELGADO, R.; COSTA, A. G. AND COSTA, A. C; **1995** - "O Sismo de Los Angeles de 17 de January 1994. Ensinamentos para Portugal", Instituto da Construção, 1995. (in Portuguese)

Chapters in books

AZEVEDO, J. J. - " Caracterização da Acção Sísmica", **2008**, Chapter for the book "Sismos e Edifícios", Mário Lopes (Coordenador), Edições Orion, Lisboa. (in Portuguese).

AZEVEDO, J. J.; SERRANO, S.; OLIVEIRA, C. S.; "The next 1755 – Myth and reality; priorities and actions to develop in case of an earthquake in the Lisbon Metropolitan Area", **2008**, Chapter for the book "The 1755 Lisbon Earthquake Revisited", Springer.

AZEVEDO, J. J. - " Earthquake Resistant Design", **1994**, Chapter for the book "Steel construction", ESDEP - European Steel Design Education Program.

AZEVEDO, J. J. - "Portugal", **1994**, Chapter for the book "International Handbook of Earthquake Engineering - Codes, Programs, and Examples", Chapman and Hall.

Journals

GUERREIRO, L. AZEVEDO, J.; MUHR A. H.; **2007**, "Seismic Tests and Numerical Modeling of a Rolling-Ball Isolation System", Journal of Earthquake Engineering,- 11 (1).

AZEVEDO, J.; SINCRAIAN, G.; LEMOS J. V.; **2000**, "Seismic Behaviour of Blocky Masonry Structures", Earthquake Spectra. 16 (2).

BENTO, R.; AZEVEDO, J.; **2000**, "Methodology for the Probabilistic Assessment of q Factors. A Damage Index Approach", Journal of Earthquake Engineering, 4 (1).

PROENÇA, J.; BRANCO, F.; AZEVEDO, J.; **1996**, "Estudo Experimental de Vibrações em Estruturas", Mecânica Experimental, nº 1, pp. 39 a 49.

AZEVEDO, J.; GUERREIRO, L.; **1995**, "Isolamento de Base em Estruturas Sujeitas à Acção Sísmica", Revista Portuguesa de Engenharia de Estruturas, nº 38, pp. 9 a 17.

CALADO, L.; AZEVEDO, J.; LAMAS, A.; **1995**, "Assessment of q Factors for Seismic Design of Low-Rise Steel Buildings", Journal of Constructional Steel Research, 35, pp. 1-17, Elsevier Science Publishers Ltd, England.

OLIVEIRA, C.S.; AZEVEDO, J.; DELGADO, R.; COSTA A. G.; COSTA A. C.; **1994**, "O Sismo de Los Angeles de 17 de Janeiro de 1994, 1ª parte - Aspectos Gerais, 2ª parte - Ensinamentos para Portugal", Revista do Serviço Nacional de Protecção Civil, Ano VI, II Série, nº 3, pp. 2 a 14.

AZEVEDO, J.; CALADO, L.; **1994**, "Hysteretic Behaviour of Steel Members: Analytical Models and Experimental Tests", Journal of Constructional Steel Research, nº 29 pp 71-94, Elsevier Science Publishers Ltd, England.

BRANCO, F. A.; AZEVEDO, J.; CORRÊA, M. R.; COSTA, A. C.; **1993**, "Dynamic Analysis of the International Guadiana Bridge", Journal of the International Association for Bridge and Structural Engineering, Vol. 3, nº 4, pp 240-244, IABSE, Zurich.

CALADO, L.; AZEVEDO, J.; **1989**, "A Model for Predicting the Failure of Structural Steel Elements", Journal of Constructional Steel Research, nº 14, pp 41-64, Elsevier Science Publishers Ltd, England.

REIS, A.J.; OLIVEIRA, C.S.; AZEVEDO, J.; **1984**, "Accidental Loads in Crane Girders: A Case Study", Journal of Structural Engineering, ASCE, Vol. 110, No. 7, pp 1679-1686.

Proceedings of International Conferences (mostly on earthquake engineering or related subjects)

Over 60 publications.