

Romeu da Silva Vicente

Civil Engineer

Academic Degrees

PhD in Civil Engineering at the Aveiro University, in 2008. Master degree in Civil Engineering at the Faculty of Sciences and Technology of the University of Coimbra, in 2002. Civil Engineering degree (five years course) at the Faculty of Sciences and Technology of the University of Coimbra, in 1999.

Main Research Interests

Seismic Vulnerability and Risk Assessment of Old City Centres. Damage and Loss Assessment. Urban Fire Risk Assessment. Geographical Information Systems and programming. Multi-Hazard Approaches and Cascading Effects. Non-linear analysis of Masonry Buildings. Building Pathology, Conservation and Retrofitting

The scientific activity: Book chapters (5), scientific papers in international (29) and national journals (16), and proceeding papers in international (89) and national conferences (54).

He has supervised 3 PhD thesis and is presently supervising 5 PhD thesis and 6 master thesis (in development). Supervised 42 finished master thesis. He is also supervising a 2 post-doc students.

5 Main Publications

- 1) Maio, R.; Vicente, R.; Formisano, A.; Varum, H. (2015) Seismic vulnerability assessment of an old stone masonry building aggregate in San Pio delle Camere, Italy. *Bulletin of Earthquake Engineering*. Springer. doi: 10.1007/s10518-015-9747-9.
- 2) Athmani, A.E.; Gouasmia, A.; Ferreira, T.M.; Vicente, R.; Khemis, A. (2015) - Seismic vulnerability assessment of historical masonry buildings located in Annaba city (Algeria) using non ad-hoc data survey. **Bulletin of Earthquake Engineering**. Springer. doi: 10.1007/s10518-014-9717-7.
- 3) Maio, R.; Ferreira, T.M.; Vicente, R.; Estêvão, J. (2015) - Seismic vulnerability assessment of historical urban centres: case study of the old city centre of Faro, Portugal. *Journal of Risk Research*. Taylor & Francis. doi: 10.1080/13669877.2014.988285.
- 4) Shakya, M.; Varum, H.; Vicente, R.; Costa, A. - Seismic vulnerability and loss assessment of the Nepalese Pagoda temples - *Bulletin of Earthquake Engineering*, Springer Netherlands, DOI 10.1007/s10518-014-9699-5.
- 5) Vicente, R.; Parodi, S.; Lagomarsino, S.; Varum, H.; Silva, J.A.R.Mendes (2011) - Seismic vulnerability and risk assessment: Case study of the historic city centre of Coimbra, Portugal - *Bulletin of Earthquake Engineering*, Springer, DOI 10.1007/s10518-010-9233-3, Vol. 9, pp. 1067-1096.

5 Relevant Research Contracts

- 1) Project “URBSIS: Assessing Vulnerability and Managing Earthquake Risk at Urban Scale”; Ref: PTDC/ECM-URB/2564/2012. Started in December 2013 (ongoing).

- 2) Member of the ANDROID Disaster Resilience Network. Started in 2012 (ongoing).
- 3) Member of the Project “Field Experimental Characterization of Stone Masonry Constructions under Earthquake Actions”, Ref: PTDC/ECM/104520/2008. 2010 to 2013.
- 4) Coordinator of the Project “Evaluating risks of Old City Centres of Seixal: Seismic and Urban Fire Risks”. 2009 to 2010.
- 5) Member of the Project “Renovation and Rehabilitation Process of the Old City Centre of Coimbra”. July 2006 to July 2006.

5 Relevant Contracts with Industry

- 1) Health Monitoring of the Capela dos Ossos – Diocese de Évora, March 2015.
- 2) Health Monitoring of the Arco-Cruzeiro da Igreja da Santa Casa da Misericórdia de Aveiro, since September 2011.
- 3) Coordination of the Technical team for Maintenance of the Sé Catedral de Aveiro, Paróquia da Glória, since July 2011.
- 4) Inspection and Rehabilitation of the Chapels of S. Francisco e Sto. António – Aveiro City Council, April 2010.
- 5) ReabilitaDomus - Associação para o desenvolvimento da Casa do Futuro (InovaDomus). Started in November 2012 (ongoing)

5 Relevant Invited Conferences/Working Groups

- 1) Invited Keynote Speaker – “Urban fire risk: evaluation and emergency planning”. Cultural HELP 2014 - Cultural Heritage and Loss Prevention. October 6-7, 2014. Porto, Portugal.
- 2) Founder and member of the executive board of the International Association of Risk and Crisis Communication (Non Governmental Organization-NGO Status), since May 2013. Website: <http://www.association-rcc.org/>.
- 3) Member of the Working Commission W120 - Disasters and the Built Environment - of the CIB International Council for Research and Innovation in Building and Construction - since March 2011.
- 4) Member of the Working Commission TG63 - Disasters and the Built Environment – of the CIB International Council for Research and Innovation in Building and Construction - since December 2009.

Romeu Vicente
Aveiro, 01/03/2017