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Portuguese, born in Lisbon, Portugal in 31st December 1977.

Current Position: Lecturer, Department of Architecture and Urban Planning, ISCTE – University Institute of Lisbon

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EDUCATION

2010 PhD in Civil Engineering, Faculty of Engineering of the Porto University

2003 MSc in Structural Engineering, Lisbon Technical Institute

2000 Graduation in Civil Engineering, Lisbon Technical Institute

PROFESSIONAL EXPERIENCE

National Laboratory for Civil Engineering – LNEC

2001 - 2002 Junior Researcher at the Numerical and Physical Modelling Division of the Concrete Dams Department

2003 - 2010 Junior Researcher (2003-2005) and PhD student (2006-2010) at the Underground Works and Foundations Division of the Concrete Dams Department

ISCTE – University Institute of Lisbon

Since 2011 Lecturer at the Department of Architecture and Urban Planning

2003 a 2010 Invited Teaching Assistant at the Department of Architecture and Urban Planning

AWARDS

2011 Winner of the 50th Anniversary Young Members' Slide Show Competition themed "The Future Directions for Engineering Rock Mechanics"

2004 National Award "Young Geotechnical Engineer" from the Portuguese Geotechnical Society

2003 Best Portuguese MSc thesis in Geotechnics (years 2003-2004), by the Portuguese Geotechnical Society

SELECTED SCIENTIFIC PUBLICATIONS

Resende, R., Lamas, L., Lemos, J.V., Calçada, R. (2010). *Micromechanical modelling of stress waves in rock and rock fractures*. Rock Mechanics and Rock Engineering, 43, 6, pp.741-761. (<http://www.springerlink.com/content/k56757121884u753/>; DOI: 10.1007/s00603-010-0098-1)

Resende, R., Lamas, L., Lemos, J.V., Calçada, R. (2011) *An investigation on stress wave propagation in micromechanical models of rock*. ISRM 12th International Congress on Rock Mechanics, Beijing, China

Resende, R., Gomes, J.P. (2010) *Simulation of vibration generated by underwater blasting using statistical analysis and numerical modelling*. European Rock Mechanics Symposium - EUROCK 2010, Lausanne. pp. 313-316, Editors Jian Zhao, Vincent Labiouse, Jean-Paul Duct, Jean-François Mathier. CRC Press

Fortunato, E; Resende, R.; Pinelo, A. (2006). *Numerical modelling of the mechanical behaviour of railway tracks*. Railfound' 06 - International Conference on Railway Track Foundations, UK

Lemos, J.V., Resende, R. (2006). *Seismic analysis of tunnels – The quasi-static method*. 4th Asian Rock Mechanics Symposium, Singapore

Resende, R.; Lemos, J.V. (2004). *Application of a discontinuity model with softening to the analysis of dam foundations using the discrete element method*. 1st International UDEC/3DEC Symposium: Numerical Modelling of Discrete Materials in Geotechnical Engineering, Civil Engineering and Earth Sciences, Bochum, Germany