



Ricardo Correia dos Santos

Postdoctoral Researcher at the Geotechnical
department of LNEC, Portugal

Resume

Since 2000, Ricardo is a *Civil Engineer (structures emphasis)*, from *Instituto Superior Técnico* of the University of Lisbon (IST-UL). In 2006, he has obtained his master degree in *Geotechnics for Civil Engineering*, from *Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa* (FCT-UTL), with the discussion of the thesis: 'Risk Assessment Framework in Geotechnical Engineering'. In October 2014, Ricardo has obtained his doctoral degree in civil Engineering from IST-UL, with the discussion of the thesis: 'Experimental Investigation on Limitation of the Progression of Internal Erosion in Zoned Dams'.

Ricardo has 9+ years of experience in *Embankment Dams Engineering*, at the Geotechnical Department of LNEC, in particular, related with monitoring and evaluation of the behaviour/safety of dams. Previous experience (4+ years) in Detailed Design, in a Portuguese private consultancy company (LCW S.A.) specialised mainly in *Bridge Engineering*, and other Special Structures (embankment dams, tunnels, channels,...).

From 2008 to 2013, he was invited Adjunct Professor (30%) at ESTBarreiro of the Setúbal Polytechnic University (IPS), lecturing, in the Civil Engineer course, the following disciplines: Soil Mechanics, Foundations and Retaining Structures, Geotechnical Works, and Geology and Geotechnics.

Awarded with some prizes, including:

- Young Engineer Innovation Award 2011 (2.5k € – 3rd prize), awarded by the Portuguese Engineers Society (OE – *Ordem dos Engenheiros*).
- Best Master thesis in Geotechnics for the 2005–2006 biennium (1k € – 1st prize), awarded by the Portuguese Geotechnical Society (SPG – *Sociedade Portuguesa de Geotecnia*).

Specialties and Interests: Civil Engineering, Geotechnics, Soil Mechanics, Embankment dams, Dams Safety, Dams behaviour/surveillance, Dams Monitoring systems, Risk Assessment, Laboratory testing, Education.

Major Scientific/Technical Indicators:

Papers with peer-review: 4 + (3)

- *Published/Accepted: 2 (international) | 2 (Portuguese)*
- *Submitted: 3 (international)*

Edited book/Chapter/theses: 2

Papers/Posters in conferences: 7

- *International: 5*
- *Portuguese: 2*

Notable awards: 2

Technical reports at LNEC: 35

