

Short Curriculum Vitae

Carlos Manuel da Cruz Moreira

Identification:

- Category: Coordinator Professor;
- Institution: Polytechnic Institute of Coimbra (IPC) - Coimbra Institute of Engineering (ISEC);
- Work regime: Full time exclusively; Service time: Polytechnic = 27 years, University = 8 years;
- Scientific area: 582- Construction and Civil Engineering.

Academic training:

- 2014, Specialization in Quality Management - Serviços Normativos Portugal, S.L., Professional training course (350 hours), Approved with 19,2/20 final classification;
- 2003, PhD in Civil Engineering, Specialization in Geotechnics and Foundations - Faculty of Science and Technology of the University of Coimbra, Approved unanimously with distinction and praise;
- 1990, Master in Soil Mechanics - Faculty of Science and Technology of the Nova University of Lisbon, Approved unanimously with very good;
- 1982, Graduation (5 years) in Civil Engineering - Faculty of Science and Technology of the University of Coimbra, Approved with good with distinction (grade 16).

Main Activities:

- Lecturer of the Faculty of Science and Technology of the University of Coimbra (FCTUC);
- Researcher of the Civil Engineering Research Centre, CIEC; Works in design and construction of tunnels PRAXIS XXI Program, 6549/95 BM process, project PRAXIS/3/3.1/CEG/2521/95;
- Scientific and Pedagogical works published in magazines and national and international conferences;
- Supervisor of master's dissertations and internships;
- Member of the Organizing Committee of the 5th National Congress of Geotechnics;
- Scientific reviewer of the XIst National Congress of Geotechnics and the IVth Luso-Brazilian Congress of Geotechnics;
- Member of the Scientific Committee of the Ist International Symposium on Mathematical Methods in Engineering;
- Responsible for the creation of the Laboratory of Geotechnics of the Civil Engineering Department of ISEC;
- Member of the committees for implementation of two master degrees, pre and post Bologna;
- Chairman of the Committee that drafted the Regulation of attendance, evaluation and study progression of ISEC;
- Participation in juries of Public Contests for Coordinator and Assistant professors, masters and professional evaluations;
- Elaboration of access exams and evaluation of internship reports for the Portuguese Engineers Association (OE);
- External evaluator of A3ES.

Main Academic Functions:

- Assistant Coordinator of the master in soil mechanics and rocks of the Civil Engineering Department of FCTUC;
- Scientific Coordinator of the Construction Technological Specialization study cycle "Construction Management" of the Professional School of Associação Diogo de Azambuja;
- Coordinator of the master in Civil Engineering - specialization in urban construction of ISEC;
- Member of scientific and pedagogical committees in FCTUC and ISEC;
- Chairman of the Institutional Coordination Commission of Technological Specialization Study Cycles in ISEC;
- Member of the General Council of the Polytechnic Institute of Coimbra;
- Chairman of the Scientific and Technical Council (CTC) of ISEC;
- Member of the Advisory Board of the Polytechnic Institute of Coimbra;
- Member of the Editorial Board of the magazine "ISEC em Revista".

Main Professional Functions:

- Engineering designer at TECNOPOR, Lda.;
- Consulting expert for the insurance company "O Trabalho";

- Engineering designer hired by the Coordination Committee of the Central Region of Portugal (CCRC);
- Construction manager at “CONCEFIL, Construções Cortez e Filho, Lda.;
- Free Lancer Engineering designer: Designs of structures and foundations, technical and expertise reports.

Current functions/positions:

- Geotechnical specialist and senior member of the Portuguese Engineers Association (OE);
- Vice President of the Civil Engineering Department of ISEC;
- Member of the Scientific and Technical Council of ISEC;
- Coordinator of the Group of Geotechnics and Foundations of the Department of Civil Engineering of ISEC;
- Responsible in charge for the Geotechnics Laboratory of ISEC;

Publications (5 references):

- Moreira, C. (1990). Análise do comportamento elastoplástico de solos através de modelos do Estado Crítico. Dissertação para obtenção do grau de Mestre em Mecânica dos Solos. Faculdade de Ciências e Tecnologia da Univ. Nova de Lisboa;
- Moreira, C.; Almeida e Sousa, J. (2001). Identification of the soil parameters in the analysis of a shallow tunnel. Modern Tunneling Science and Technology, Adachi et al. (eds), Swets & Zeitlinger, A. A. Balkema Publishers. Vol. I, pgs. 101-104;
- Moreira, C.; Almeida e Sousa, J. (2002). Retroanálise dos parâmetros geotécnicos dos modelos usados para caracterizar o comportamento de um maciço sujeito à escavação de um túnel superficial – Túnel 4, Porto. Anais do I Congresso Luso-Brasileiro de Geotecnia, São Paulo, Brasil, Volume único, págs. 275-286;
- Moreira, C. (2003). Estimativa por retroanálise de parâmetros geotécnicos de maciços envolventes de túneis superficiais. Dissertação para obtenção do grau de Doutor em Engenharia Civil na Especialidade de Fundações e Geotecnia. Faculdade de Ciências e Tecnologia da Universidade de Coimbra;
- Moreira, C.; Almeida e Sousa, J.; Lemos, L. L. (2005). Túnel do término da Estação Alameda II. Identificação dos parâmetros geotécnicos. Geotecnia, Revista da Sociedade Portuguesa de Geotecnia, Volume 102, págs. 5-32.

Professional design works (5 references):

- Design of the structures and foundations of two 12-storey and one 14-storey buildings in Urbanização da Encosta do Espadanal in S. João da Madeira;
- Design of the structures and foundations of the Wastewater Treatment Plant of the slaughterhouse of Complexo Agroindustrial do Cachão in Mirandela;
- Design of the recovery and remodelling of an old building, including the strengthening of the structures and the foundations reinforcement for the Hotel do Parque - Sopete in Braga;
- Design of the steel structures and foundations of the facilities for waste treatment of the Serviços Intermunicipalizados de Tratamento de Lixos da Região do Porto – Lipor;
- Review and structural and foundations design of the building of Tribunal Judicial de Macedo de Cavaleiros;

Professional consulting works (5 references):

- Collaboration in the technical report: “Parque Eólico da Pampilhosa, Investigação do Local, for Renewable Energy Systems, Lda.”, 2004;
- Expertise “Avaliação dos Trabalhos de Consolidação da Encosta de Vale Meão” to Câmara Municipal de Coimbra, 2008;
- Expertise “Acidente de um Muro de Gabiões localizado no lugar de Charneca, Pombal” for Diogo, Neto, Marques & Associados – Sociedade de Advogados, 2008;
- Expertise for the Court of Law on the dispute MARSILOP vs HABICOIMBRA, concerning works of excavation, drainage, paving and earth retaining, in Urbanização da Quinta do Caldas, in Porteladinha do Chão do Bispo, Coimbra, 2012;
- Expertise on the foundations of the biological reactors and the slope of the ETAR Sul de Sever do Vouga, for AdRA - Águas da Região de Aveiro, 2017;

Coimbra, 19th July 2018

