



José Piteira Gomes

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Education

- Holds a Ph.D. degree in Civil Engineering from Faculdade de Ciências e Tecnologia (Faculty of Science and Technology; FCT) in Universidade Nova de Lisboa, in January 2008, with a thesis entitled “Structural Behaviour Modelling of Concrete Dams subjected to Swelling Reactions”, developed at National Laboratory for Civil Engineering (Laboratório Nacional de Engenharia Civil – LNEC).
- Holds a M.Sc. degree in Civil Engineering, specialty of Structures, from Instituto Superior Técnico, Universidade Técnica de Lisboa, in November 1988, with a thesis entitled “Non-linear analysis of Cabled Stayed Bridges”.
- Holds the B.S. degree in Civil Engineering, from Instituto Superior Técnico, Universidade Técnica de Lisboa, in July 1982.

Main areas of interest and activity

- Assessment to the structural safety of concrete dams;
- Formulation and revision of monitoring and instrumentation plans for concrete dams;
- Computational analysis for simulation of the long-term structural behavior of concrete dams.
- Studies to assess and predict the developments of the behavior of concrete dams subjected to swelling processes.
- Rehabilitation of concrete dams

Experience

- Research in the field of the structural behavior of concrete dams subjected to swelling processes. - Research studies aimed to monitoring, analyzing and interpreting of the structural behavior and safety of concrete dams.
- Since December 2013 I am involved on the control of the first filling of two reservoirs on the Baixo Sabor Hydroelectric Scheme, into the legal competence assigned to LNEC, as consultant of the Portuguese Authority, Agência Portuguesa do Ambiente (APA)

Publications

Piteira Gomes, J. – “Structural behavior modeling of concrete dams subject to swelling reactions”, TPI 53, LNEC 2008.

More than 40 technical reports about safety and assessment to the structural behavior of dams.