

**Identification**

*Name:* Lúcio Abel Pereira Lourenço

*Date of birth:* 12 September 1980

*Nationality:* Portuguese

*Institutional address:* University of Minho, Department of Civil Engineering, Campus de Azurém, 4800-058 Guimarães, PORTUGAL

*Phone:* +351 253 510 210

*Fax:* +351 253 510 217

*E-mail:* lucio@civil.uminho.pt

**Academic degrees**

- MSc: Civil Engineering by the University of Minho, Portugal, 2005.  
*Dissertation:* "Analysis of the influence of web thickness reduction in the shear resistance of non prismatic steel tapered plate girders." (in Portuguese)
- Graduation: Civil Engineering by the University of Minho, Portugal, 2003

**Employment**

- Monitor of the Department of Civil Engineering of Minho University since March of 2005 (Theory of Structures I "Estruturas I"; Theory of Structures II "Estruturas II"; Structural Analysis I "Análise de Estruturas I" and Structural Analysis II "Análise de Estruturas II" - 3rd year of the Civil Engineering Course).

**Main scientific area of research**

- Development of high strength fibre reinforced concrete of enhanced fire resistance (FRCEFR) using concepts of micro-mechanics, composites materials and interaction between the constituents. Characterization of the material and mechanical properties of FRCEFR when submitted to distinct levels of temperature and load conditions. Development of constitutive material models for simulating the behavior of FRCEFR structural applications. Implementation of these constitutive models into a FEM-basis software.

**Publications**

- 1 article published in International Journals
- 4 articles published in the proceedings of International Conferences
- 3 articles published in the proceedings of National Conferences
- 2 technical, scientific and pedagogic reports.