

Identification

Name: José Manuel de Sena Cruz

Date of birth: 22 April 1972

Nationality: Portuguese

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

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Academic degrees

- **PhD:** Civil Engineering by the University of Minho, Portugal, 2004.
Dissertation: “Strengthening of concrete structures with near-surface mounted CFRP laminate strips.”
Fields of study: Experimental research and numerical simulation of concrete structures reinforced with CFRP laminate strips
- **MSc:** Structural Engineering by the Faculty of Engineering, University of Porto, Portugal, 1998.
Dissertation: “Behavior of steel fiber reinforced concrete frames under cyclic loading” (in Portuguese)
Fields of study: Experimental research on steel fiber reinforced concrete under cyclic loading. Numerical research on reinforced concrete structures under cyclic loading
- **Graduation:** Civil Engineering by the Faculty of Engineering, University of Porto, Portugal, 1995

Employment

- Assistant Professor of the Department of Civil Engineering of Minho University since 2004

Main scientific area of research

- Finite Element Analysis, nonlinear analysis of reinforced concrete structures, structural strengthening of concrete structures, testing.

Other scientific areas of interest

- Dynamic analysis

Publications

- 1 book
- 3 articles published in International Journals
- 4 articles in National Journals
- 7 articles published in the proceedings of International Conferences
- 14 articles published in the proceedings of National Conferences
- 8 technical, scientific and pedagogic reports

Other relevant technical and scientific activities

- Co-author of professional software for analyzing and designing structures based on the finite element method
- Participation on 12 International and National Conferences with oral presentations