

CURRICULUM VITAE

CARLOS TORRES FORMOSO

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ACADEMIC DEGREES:

Degree in Civil Engineering, awarded by the Federal University of Rio Grande do Sul in December 1980.

M.Sc. in Construction Management, awarded by the Federal University of Rio Grande do Sul in July 1986.

Ph.D., awarded by the University of Salford, United Kingdom, in March 1991.

ACADEMIC EXPERIENCE:

Joined UFRGS in December 1989. He is currently a Full Professor in Construction Management at the Department of Civil Engineering. These are the main current activities:

- **Lectures** Construction Management related courses for Civil Engineering final year undergraduate students, and Master and Doctorate students
- Has supervised **112 M.Sc. dissertations and 23 doctorate theses**. Currently, supervises 8 doctorate and 3 masters students.
- Has been the **leading investigator** of several funded research projects both from Government and Industry in the field of Construction Management and Economics, including the following topics: **Lean Construction, Building Information Modelling (BIM), Safety Management, Social Housing, Performance Measurement Systems, Quality Management, and Mass Customization**.
- Has published **99 journal papers, 382 conference papers, 17 books and 31 book chapters**

INTERNATIONAL EXPERIENCE:

- Active **member of the International Group for Lean Construction** since 1996. Technical chair of the Annual Conference of the International Group for Lean Construction in three opportunities (2003, 2004, and 2013).
- **Founding member of the Zero Energy Mass Custom Homes (ZEMCH) Network**, in 2012.
- Member of the Executive Board of the **Global Leadership Forum for Construction Engineering and Management Programs**, since May 2017.
- **Head of the M.Sc. Course in Construction at the Universidad de la República**, (UdelaR) Montevideo, Uruguay, between July 2008 and December 2012. This course was a joint initiative of UFRGS and UdelaR.
- Visiting Scholar at the following universities: **University of Agder**, Norway (2018), **University of Huddersfield**, U.K. (several opportunities), **University of Salford**, U.K. (2011), **University of California, Berkeley**, USA (1999-2000), **University of Strathclyde**, U.K. (1999), **Escuela Politecnica del Ejercito (ESPE)**, Ecuador (1995), **Norwegian Building Research Institute**, Norway (1994), **Pontificia Universidad Catolica**, Chile (several opportunities).
- **Member of the advisory board of six international journals**: Engineering, Construction and Architectural Management; Lean Construction Journal; Journal of Construction in Developing Countries; Construction Economics and Building; Architectural, Engineering and Design Management; Built Environment and Asset Management.
- Coordinator of the **Research Network on Safety Management in Construction**, involving 9 universities from 6 countries: UFRGS and UFSCar (Brazil), UNIANDES (Colombia) PUC (Chile), ITESM (México), UTL (Portugal), Universidad de Granada and UPV (Espanha) and UDELAR (Uruguay).
- **Member of the board of examiners** of more than 30 Ph.D. theses, and more than 54 M.Sc. dissertations, in several different countries besides Brazil, such as U.K., Australia, Botswana, Chile, India, Mexico, New Zealand, Norway, South Africa, and Spain.
- **Keynote presentations in academic conferences and industrial seminars** in several different countries: Brazil, Bolivia, Chile, Colombia, Ecuador, Hong Kong, México, Nicaragua, Norway, Peru, Qatar, Spain, UK, Uruguay, USA.

- **Head of the development of the design for the Technological Center of Namialo (CTN), Mozambique**, as part of an international cooperation agreement between the governments of Mozambique and Brazil.

INDUSTRIAL ACTIVITIES:

- **Member of the board of senior consultants (GAT) of the Federal Government Secretary of Housing** (former Secretary of Urban Development), between 1998 and 2008. The main task of this board is to plan and monitor the National Program of Quality and Productivity for the Construction Industry in Brazil.
- **Development of training programs for several construction companies:** Medabil, Método, Plaenge, Rossi, Socovesa (Chile), Stiler (Uruguay), among others.
- **Development of training programs for several Construction Chambers and other industrial organizations:** SEBRAE-RS, SENAI-BA, SINDUSCON-SP, COOPERCON-CE, SINDUSCON-PB, ADEMI-AL, SINDUSCON-RS, among others.
- **Short course on Racionalización de la Construcción Tradicional**, promoted by Universidad de la Republica, Montevideo, Uruguay. 1998.
- **Implementation of the Last Planner System in more than 60 projects**, as part of research projects, and training programs
- **Implementation of Lean Construction concepts and tools and BIM** in companies that deliver prefabricated building systems: MEDABIL, Cassol
- **Development of a training program for the Institute for Lean Construction Excellence (ILCE)**, from India, in Mumbai, Delhi and Chennai