

CURRICULUM VITAE

Name: Paulo António Firme Martins (59)

Position: Professor of Manufacturing

University: Instituto Superior Técnico, Universidade de Lisboa, Portugal

Department: Mechanical Engineering - **Unit:** Manufacturing and Industrial Management

Research Centre: IDMEC – Instituto de Engenharia Mecânica

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Academic degrees:

- Mechanical Engineer, 1984
- PhD in Mechanical Engineering, 1991
- Habilitation in Mechanical Engineering, 1999
- Doctor Technices Honoris Causa, Technical University of Denmark, 2018

Academic career:

- Research Assistant, Instituto Superior Técnico, 1986-1991
- Assistant Professor, Instituto Superior Técnico, 1991-1995
- Associate Professor, Instituto Superior Técnico, 1995-2004
- Professor of Manufacturing, Instituto Superior Técnico, since 2004

Academic management activities:

- Director of the Postgraduate Studies in Mechanical Engineering, Instituto Superior Técnico, 2001-2002
- Vice-President of the Mechanical Engineering Department, Instituto Superior Técnico, 2003-2006
- Director of the Undergraduate Studies in Mechanical Engineering, Instituto Superior Técnico, 2003-2006
- Coordinator of the Manufacturing and Industrial Management Research Unit, IDMEC, since 2003
- President of the Scientific Board of Instituto Superior Técnico, 2009-2012
- Coordinator of the Manufacturing and Industrial Management Academic Unit, Instituto Superior Técnico, 2009-2020
- Member of the School Council of Instituto Superior Técnico, 2014-2016, 2021. (Vice-President, 2016)
- President of the School Council of Instituto Superior Técnico, 2017-2020

Visiting scholarships:

- Visiting Associated Professor, Technical University of Denmark, 1998-1999
- Visiting Professor, Technical University of Denmark, 2007 and 2015
- Visiting Professor, University of Okayama, Japan 2007
- Visiting Professor, IUL, Technical University of Dortmund, Germany 2007
- Velux Visiting Professor (Villum Foundation), Technical University of Denmark, 2013
- German Science Foundation Visiting Professor (DFG-Transregio), Technical University of Dortmund, Germany 2013 and 2015
- Visiting Professor, University of Seville, Spain 2015
- Visiting Guest Professor (GIAN Programme), Indian Institute of Technology, Bombay, India, 2019

Research interests:

- Manufacturing. Numerical and experimental analysis of forming (main field of expertise) and joining by forming processes

Teaching and supervision experience:

- Lecturer and responsible for a wide range of manufacturing courses (1st, 2nd and 3rd levels of studies) since 1986
- Supervisor of 6 post-doctoral fellows, 11 PhD thesis and 55 MSc thesis

Research experience:

- Supervisor of R&D projects in different fields of manufacturing
- Evaluator of national and international R&D proposals and scholarships in different fields of manufacturing
- Member of the editorial board of several international journals and reviewer of a significant number of international journals in the area of manufacturing and computational mechanics
- Fellow of the CIRP - The International Academy for Production Engineering
- Member of the Standing Advisory Board of ICTP – The International Conference on Technology of Plasticity (2008-2017) Advisor Member since 2017
- Co-author of 260 papers in international journals with referee, 188 papers in international conferences, 7 books and 3 international patents.

Scopus Author ID: 7006083921, Number of documents: 300. Citations: 4359 and h-index: 32

ISI Thomson (Clavirate Analytics), Number of documents: 255. Citations: 3790 and h-index: 32

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Prizes and awards:

- Most Technically Advanced Commemorative Coin, XX Mint Directors Conference, South Africa, 1998
- A M Strickland Prize by the Manufacturing Division of the Institution of Mechanical Engineers, UK, 2005
- Donald Julius Groen Prize by the Structural Technology and Materials Group of the Institution of Mechanical Engineers, UK, 2008
- Merit Award for the work in Manufacturing/Mechanical Engineering, Technical University of Lisbon, 2009
- Outstanding Paper Award Winner by Emerald Literati Network Awards for Excellence, 2010
- Invited Annual Speaker of the Danish Center for Applied Mathematics and Mechanics (Technical University of Denmark, Copenhagen, and the University of Aalborg), 2011
- Top Performing Reviewer of the Journal of Materials Processing Technology, Elsevier, 2008 and 2011
- Honorable Mention in Mechanical Engineering, Santander Totta - Technical University of Lisbon, 2012
- Thomas Hawksley Gold Medal by the Institution of Mechanical Engineers, UK, 2015
- Thatcher Bros Prize by Manufacturing Industries Division Board of the Institution of Mechanical Engineers, UK, 2015
- The SAGE/CEGB Best Paper Award by the Editor and Editorial Board of the Journal of Strain Analysis for Engineering Design, 2015
- Honorable Mention in Mechanical Engineering, Santander - University of Lisbon, 2016, 2017
- Innovation Award INCM, Coining of Transparent and Semi Transparent Coins, 2016
- Innovation Award INCM, Additive Manufactured Commemorative Coins, 2017
- Excellence in Teaching Award, Instituto Superior Técnico, University of Lisbon, 2017
- The SAGE/CEGB Best Paper Award by the Editor and Editorial Board of the Journal of Engineering Manufacture, 2017
- Scientific Prize in Mechanical Engineering, Santander - University of Lisbon, 2018
- The SheMet Best Paper Award, 2019
- 2017-2018 Top Reviewer of the International Journal of Machine Tools and Manufacture, 2019
- Invited Guest Speaker, PhD Graduation Ceremony, Technical University of Denmark, 2019
- 2019-2020 Best Reviewer Award of the Journal of Materials Processing Technology, 2020
- The (JSTP) Japan Society for Technology of Plasticity International Prize for R&D in Precision Forging, 2021.