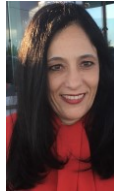


# Biography



Teresa Leonor Ribeiro Cardoso Martins Morgado is **ph. D in Mechanical Engineering** by Instituto Superior Técnico of Lisbon University, Master in Mechanical Engineering option of Materials and Manufacturing Processes by Faculty of Engineering of the O'Porto University. The Doctor Thesis title is "Structural Integrity of Railway Component" and the Master Thesis title is "Characterization of orthotropy in carbon epoxy plates using interferometric techniques". Teresa, holds Associate Professor Public Examinations in the scientific area of Production Technology and Construction of Mechanical Engineering Department of Polytechnic Institute of Tomar, with the Dissertation Title "Study of the influence of stress concentration factor in damage calculation of transport coal wagons railway couplings".

Currently, consolidate her position as **Associate Professor on Engineering Departmental Unit of Tomar Polytechnic Institute (IPT)** with researcher in the **Scientific Instrumentation Centre of the R&D institute calls LNEC** (by mobility inter career) and researcher of the **UNIDEMI/FCTUNL - Research and Development Unit for Mechanical and Industrial Engineering/ Faculty of Science and Technology of Universidade NOVA de Lisboa.**

Teresa **expertise and research interests** are **Mechanical Behaviour of Materials, Mechanics of Fracture, Experimental Stress Analysis, Mechanical Tests, Structural Integrity of Materials, Instrumentation, Additive Manufacturing Process namely LASER Cladding process and Foundry Processes, Processes and Maintenance Management.**

Since 2017 Teresa is researcher in **UNIDEMI – FCT/UNL.** During 2016 until the end of 2018 Teresa consolidate her position in IPT with Professor in the **Faculty of Science and Technology of Universidade NOVA de Lisboa.**

From 2014 until 2016, Teresa was President of Forum and Researcher at CeFEMA/UL - Center of Physics and Engineering of Advanced Materials of IST/UL - **Instituto Superior Técnico of**

**Lisbon University.** She was Research Member at ICEMS/UL – Institute of Materials and Surface Science and Engineering/ University of Lisbon since 2001 until 2014. **In IST collaborated as researcher during twenty years.**

Teresa is author and co-author of dozens of scientific publications and Technical Consulting reports; and guided dozens of jobs in industry internships like foundries, food industry, automotive industry, railway industry, hospitals, metalworking industry, paper industry, industrial moulds and injection plastic materials industry. Her career advice can be found on <http://www.esta.ipt.pt> , <http://thomsonreuters.com/web-of-science/>.

Throughout her career, she has been an organizer at international conferences as *Member of the Local Organizing Committees, Member of Advisory Committees and Member of the International Scientific Committees.*

Teresa Morgado is member of editorial boards of ***American Journal of Mechanics and Applications, the International Journal of Mechanical Engineering and Applications, International Journal of Transportation Engineering and Technology, APAET journal and Applies Science Journal.***

Is permanent member of several societies as **Order of Engineers (OE), Materials Portuguese Association (SPM), Portuguese Society for Experimental Analysis of Stress (APAET), European Structural Integrity Society (ESIS) and Ibero-American Federation of Mechanical Engineering (FelbIm/FelbEm), ATTCEI (Portuguese Association of Knowledge and Technology Transfer).**

Researching since September 1995 and teaching since October 1993, has taken different positions like Member of Engineering Departmental Unit Council, Member of the Technical Scientific Councils of Research Centers (CIC-LNEC, LNEC, UNIDEMI-FCT/UNL, CeFEMA-IST-UL, ICEMS-IST-UL), Member of the Technical Scientific Council of Technology School of Abrantes, Member of the Commission for Evaluation and Accreditation of Mechanical Engineering course, Internship Nucleus Member of the Mechanical Engineering course, Council Member of Mechanical Engineering Department, Member of the Scientific Council Plenary, Pedagogical Coordinator of Mechanical Engineering course, Representative Member of Mechanical Engineering Department Associate Professors at the Pedagogical Council.