

António P. C. Duarte



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António P. C. Duarte, Portuguese, born in 1987, is natural from Lisbon, Portugal. He has a PhD in Civil Engineering (Structures) from Instituto Superior Técnico (IST) - University of Lisbon (UL) and an MSc in Civil Engineering (Structures) also from IST-UL.

He currently works as a researcher in IDMEC-IST-UL (Institute of Mechanical Engineering). His main areas of research are (i) the mechanical behaviour (experimental and numerical) of structural elements made of steel, concrete, steel-concrete (composite construction) and in carbon fibre reinforced polymers (CFRP) and (ii) the sustainability of construction. He is currently also working in the project '*POLAR LODGE: a Sustainable Modular Building for Research Development in the Antarctic*' (funded by the University of Bahrain).

Previously he worked (from June, 2012 to January, 2016) in CERis-IST-UL (Civil Engineering Research and Innovation for Sustainability), firstly as grant researcher in the Project PTDC-ECM-117774-2010 'Recycling and Seismic Protection: Sustainable High Performance CFST Columns for Seismic Areas' and secondly as a PhD student. His PhD thesis was financially supported through a scholarship (SFRH-BD-97176-2013) awarded by the Portuguese National Funding Agency for Science, Research and Technology. Throughout these periods he developed deep knowledge in the experimental and numerical mechanical characterization of materials and structural elements subjected to various loading cases, (i) tension, (ii) compression, (iii) vibration in free regime and (iv) cyclic bending combined with compression.

He is the author and co-author of 10 papers in scientific peer-review journals and has presented 11 communications in national (Portuguese) and international conferences. His publications have an h-index of 5 and 50 citations, according to Scopus (h-index of 6 and 84 citations according to Google Scholar). He successfully co-supervised two MSc dissertations and is currently co-supervising two other, to be submitted in 2018. All the dissertations are on the topic of structural and computational mechanics - structures in CFRP for Aerospace Engineering.

He has reviewed 20 papers for journals such as the Thin-Walled Structures, Advances in Structural Engineering and Structures and Buildings, participated in the organizations of the Eighth ICASS 2015 (Lisbon) and of CMN 2015 (Lisbon) and he is member of the organizing committee of the ICTWS 2018 (Lisbon). He is member of the CIB - Student Chapter and of the Portuguese Association for Steel and Steel-Concrete Composite Construction (CMM). In 2014 he received an honour diploma in 'Prémio Inovação Valorpneu 2014' for the work developed both in the Project PTDC-ECM-117774-2010 and in his PhD thesis.