


Brief CV

Name	Hugo Miguel Andrade Lopes Figueiredo da Silva	中文名	N/A	
Gender	Male	Title (Pro./Dr.)	Dr.	
Position (President...)	R&D Engineer	Country	Portugal	
University/ Department	Department of Polymer Engineering, University of Minho			
Personal Website	N/A			
Research Area	Mechanics of Materials, Mechanics of Solids, Materials Science			

Brief introduction of your research experience:

I've been doing research since 2010. My research is focused on the improvement of the mechanical behavior of mechanically loaded parts. In order to achieve the main aim, I mainly use computational approaches, using the Finite Element Method (FEM) Software ANSYS, coupled with optimization routines built in MATLAB. The FEM models are subjected either to static loadings, or to vibration (modal).

Parameterization of ANSYS input files are needed, in order to incorporate sensitive variables into the analysis, as well as to write outputs. Materials science is also part of my research interests, mainly in terms of materials selection. I've also got design experience in AUTODESK Inventor, with which I designed a prototype of a novel type of thin-walled beams. I've also supervised its manufacturing in an industrial environment. I've got 14 journal papers published/accepted, as well as a Patent submitted.

All other information is in my cv.

Best regards,
Hugo Silva

*****All the columns need to be filled in.