

SHORT CV OF PROFESSOR ROBERTO RAFFAELI

Roberto Raffaelli is an Associate Professor in Engineering Drawing and Product Design Methods at the School of Engineering of the University of Modena and Reggio Emilia. He graduated in Mechanical Engineering in 2002 and received a PhD in 2008 with a thesis entitled "*Methodologies and Tools for Modular Products Design and Configuration*". Currently, he teaches engineering drawing, CAD and product design theories.

His research topics include geometric modelling, CAD technology, augmented reality, configuration, modularity, Design to Cost and advanced simulation approaches for mechatronics systems in the context of the Industry 4.0. Methodologies and tools have been also applied to orthodontics and orthopaedic footwear design. He is author of more than 90 international scientific publications with referee, fifty out of them are published on international journals.

Roberto has been active in the field of the technology transfer from academic research. He has a good skill in code writing, software integration and his main expertise regards geometric modelling, computer graphics and mechatronics automation system programming. He participated to dozens of research projects founded by local and Italian Government, as well as European Commission. In 2010 he was one of the founders of the university Spin-off "Hyperlean Srl" which develops software solutions for the automated product configuration and costing. The company currently has a turnover of € 2 million and employs more than 30 people.

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