

**Name**

Sergio Rizzuti

**Role**

Full Professor

**Short CV**

Sergio Rizzuti is Full Professor. He teaches "Engineering Drawing", "Product Design and Development". He has a Master Degree in Industrial Technology Engineering (Mechanical Engineering) obtained at the University of Calabria (UNICAL) in 1981. He has been Researcher and Associate Professor. He has been Director of the Doctoral School "Pythagoras" in Engineering Science, Director of the Doctoral Course in Mechanical Engineering and Vice Director of the Dept. in Mechanical Engineering at UNICAL. He is currently involved in the following research fields: Robust Design, Design for Sustainability, Geometrical Dimensioning and Tolerancing, Education and Learning. His recent publications can be searched on Scopus. He is member of ADM (Design Tools and Methods Society - Italy) and the Design Society.

**Selected Publications**

S. Rizzuti, A procedure based on robust design to orient towards reduction of information content. *Procedia CIRP* (2015) 34, pp. 37-43.

S. Rizzuti, The Taguchi Method as a Means to Verify the Satisfaction of the Information Axiom in Axiomatic Design. *Smart Innovation, Systems and Technologies*, (2015) 34, pp. 121-131.

S. Rizzuti, The brainwriting as a method to foster creativity in product design. In: XXV International Conference on Graphics Engineering, ISBN: 978-84-8081-464-5, (2015), pp. 321-326, San Sebastian, 17-19 June 2015.

S. Rizzuti, De Napoli L., The integration of DSM and Axiomatic Design in product design as part of an MDM process. In: The 16th International Dependency and Structure Modelling Conference, ISBN: 978-1-56990-491-6, (2014), pp. 35-42, Paris, 2-4 July 2014.

S. Rizzuti, A coherent teaching program for a course of product design at master degree level. In: *Proceedings of XXIII International Conference on Graphic Engineering*. (2013) p. 1-5, ISBN: 978-84-695-7930-5, Madrid, 19-21 June 2013.

**Research Lines**

The boundary element method (BEM) for the mechanical problems of the fracture Geometric Modeling (of decomposition and based on features)

Automatic mesh generation  
Image processing and analysis of fringe systems  
Surface fitting by orthogonal polynomials  
competitor Planning  
WEB design  
Collaborative Design  
Geometric Dimensioning & Tolerancing  
Geometric control by CMM  
reverse engineering applied to industrial products and to the cultural heritage sector,  
Parametric Modeling in Virtual Reality curves and surfaces  
Conceptual design and functional analysis of industrial products  
Sustainable Design  
DSM - Design Structure Matrix  
Robust Design  
Axiomatic Design  
Education and learning  
Design creativity