

Giuseppe Di Gironimo

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Giuseppe DI GIRONIMO (Naples, 12 May 1973) is Associate Professor of Virtual Prototyping at the Department of Industrial Engineering of the University of Naples Federico II. He received with honors the Master's Degree in Mechanical Engineering in 1999 and the PhD in Mechanical Design in 2002 at the University of Naples Federico II. He is author of about 200 scientific papers as result of research activities covering the area of Geometric Modelling, Virtual and Augmented Reality, Ergonomics and human centered design, biomechanics and human motion analysis, virtual maintenance and remote maintenance technologies, soft robotics, human-robot interaction, Mechanical Design, Product Innovation, Concept Design, Tolerance Design, Robust Design, Fusion Engineering Design. He is co-author of seven patent proposals. He is the Head of the Virtual Reality Lab "MARTE", the Motion Analysis Lab "ERGOS" and the "IDEAinVR" Lab (Interactive Design and Ergonomics Applications in VR). He was responsible of several national research projects and, currently, he is responsible for CREATE/University of Naples of several WP in European projects on Fusion Energy (EUROFusion Horizon 2020 and Horizon Europe) covering the area of mechanical design and remote maintenance technologies. He is the Head of Mechanical Design Unit and member of the Scientific Board of CREATE Consortium (www.create.unina.it). He was member of the Scientific Board, Responsible for Global Mechanical Integration and Leader of the WP Remote Handling System of the "Divertor Tokamak Test facility" (DTT) (www.dtt-project.enea.it/), co-funded by EUROfusion. He is member of the Management Board of the Center ICAROS (Interdepartmental Center for Advances in Robotic Surgery – www.icaros.unina.it). In 2016-2018 he was Administrator of TEST Scarl (www.testcrdc.it). With regards to technology transfer, he is founder and President of BeyondShape srl, a spinoff company of the University of Naples, which is active in the design and development of 3D Medical Scanning Systems. He is founder and Scientific Advisor of ETA Bioengineering srl, a spinoff company of the University of Naples, which is active in the design and development of wearable technologies for industry, sports engineering, and rehabilitation. He is founder and Scientific Advisor of HEROBOTS srl a spinoff company of the University of Naples, which is active in the design and prototyping of soft robots for hazardous environments. Finally, he is founder and Scientific Advisor of ROBOSAN srl, a spinoff company of the University of Naples, which is active in the development of technologies and products related to industry 4.0 for laboratory medicine, with a particular focus on devices for the automated sanitation of containers for biological material.

Full CV on: www.docenti.unina.it/giuseppe.digironimo