

**Gil GONÇALVES**

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Gil Gonçalves is an Assistant Professor at the Faculty of Engineering of the University of Porto (FEUP) in the Department of Informatics Engineering (DEI).

Gil is the Coordinator of the thematic line SYSTEC- MANUFACTURING in the SYSTEC RD Unit and responsible for the DIGITAL and InTelligent Industry laboratory, a research laboratory that involves faculty members from the Departments of Informatics Engineering and Electrical and Computer Engineering from FEUP.

With an extensive experience in research and innovation, Gil has been involved in over 35 National and European RTD projects and studies, as Principal Investigator in many of them, to promote digital transformation in different sectors like manufacturing, health and agri-food.

Principal Investigator in several European RTD projects including “Vendor Integrated Decentralized Optimization of Production Facilities” (VIDOP), funded by EC FP5, and “FleXible Production Experts for reconfigurable aSsembly technology” (XPRESS), funded by EC FP6, “Intelligent Network Devices for fast Ramp-Up” (I-RAMP3), funded by EC FP7, “Innovative Reuse of modular knowledge Based devices and technologies for Old, Renewed and New factories” (ReBorn) funded by EC FP7, “Innovative strategies for Renovation and Repair in Manufacturing systems” (SeISus) funded by EC FP7, “RE-manufaCturing and Refurbishment LArge Industrial equipment” (RECLAIM) funded by EC Horizon 2020 and “Open platform for realizing zero defects in cyber-physical manufacturing” (OpenZDM) funded by EC Horizon Europe. These projects had as target end-users’ companies from the automotive, aerospace and electrical industry and included partners such as Daimler-Chrysler, FIAT, Volkswagen, Kuka Systems, Comau, Harms+Wende, Airbus, SONAE, Vidrala, etc.

Gil is also an experienced contract manager and has been managing several contracts and studies for the European Commission, including “eFoodChain: Assisting SMEs to participate in global digital supply chains in the agrofood sector”, and also lead expert in several studies, including in the INTERREG IVC Capitalisation Exercise on eGovernment.

Expert evaluator in national and European Research and Innovation programmes, including in several Horizon 2020 and Horizon Europe evaluation panels and in many cascade funding programmes.

Part of the team from the Underwater Systems and Technology Laboratory at Porto University, involved in the project PITVANT (Research and Technology for Unmanned Air Vehicles Program), and project SEACON (AUV System: technology evaluation, training and development of concepts of operation for the Portuguese Navy) both funded by the Portuguese Ministry of Defence. In these projects he was responsible for the Systems Engineering effort and also involved in issues concerned with supervisory control of multiple uninhabited systems.

Part of the team from the Underwater Systems and Technology Laboratory at Porto University that won the BES Innovation prize (CNIBES) in 2006 with the project SeaScout (Light Autonomous Underwater Vehicle for Oceanographic Surveys). Involved in the project "Marine Systems and Technologies" financed by the Portuguese Innovation Agency, under the program NEOTEC (creation of technology-based companies), for the creation of a high-tech spin-off based on research results. Since 2006 he has been the founder of 3 other technology-based start-ups.

He (co-)authored over 100 publications (reports, journal papers and conference articles) in areas related to innovation, ICT, eHealth, eGovernment, entrepreneurship, industry 4.0, manufacturing, robotics and control.

Gil is currently the Chairman of the General Assembly of the National Portuguese ICT Cluster (TICE.PT).