

Flavio TONELLI - CV

Full Professor in Industrial Mechanical Plants, Digital Manufacturing, and Industrial Sustainability at the University of Genoa.

Member of the ANVUR National Evaluation Commission for University of Genoa.

Master's Degree in Electronic and System Engineering from the University of Genoa, and a PhD in Production Systems and Industrial Plants from the University of Parma.

Professor of Design and Management of Production Systems, Engineering for Industrial Sustainability, Production Quality & Sustainability, Operations and Production Management he has published 160 scientific papers, and his SCOPUS citations are 1734.

Currently involved in several relevant roles including being a member of the Board of Directors of the National Intelligent Factory Technology Cluster, VP of the same National Cluster, President and member of the Scientific Technical Committee of the Digital Innovation Hub Liguria, and the Representative of the Liguria Region for the Intelligent Factory domain through the Integrated and Technological Intelligent Systems District.

He has spent many years researching operations management, focusing on modeling, simulation, and optimization techniques. Since 2007 the main research area is Industrial Sustainability and Digital Manufacturing.

He has also developed important capabilities in ICT design and development for factory and supply chain operations, Industry 4.0, and Cyber Physical Manufacturing Systems.

He has developed algorithms and software for supply chain planning and execution for large corporations at national and European levels.

Some of his notable contributions to the field include the development of hybrid agent simulation framework and system dynamics for the interactive construction and assessment of complex industrial production system.