



TRANSLATED FROM PORTUGUESE

Associate professor and researcher at "Instituto de Engenharia de Produção e Gestão (IEPG)" at the Federal University of Itajubá (UNIFEI), CAMPUS DE ITAJUBÁ. Areas of expertise in teaching, research and extension: 1. Cost management; 2. Economic Engineering; 3. Theory of Constraints; 4. Design, Application and Management of Lean Thinking in Manufacturing, Administrative, Healthcare and Farming Environments; 5. Six Sigma in the Design, Application and Management of Lean Thinking in Manufacturing, Administrative, Healthcare and Farming Environments; 6. Scrum Method in the Design, Application and Management of Lean Thinking in Manufacturing, Administrative, Healthcare and Farming Environments; 7. Discrete Simulation in the Design, Application and Management of Lean Thinking in Manufacturing, Administrative, Healthcare and Farming Environments; 8. Creation of Digital Twins for Manufacturing, Administrative, Healthcare and Farming Environments Using Simulation with FlexSim Integrated with Concepts of Industries and Services 4.0. Since 2014 he has been applying and improving a Lean Lego Game to improve the teaching and learning of Lean concepts and tools. Since 2016 he has been applying and improving didactic simulation models to improve the teaching and learning of Value Stream Mapping. From 2014 to 2016 he participated in the Research and Development Project between UNIFEI and Honeywell, having coordinated the implementation of Lean concepts and tools in four product lines, as well as the creation of simulation models with FlexSim of these lines. In 2018, he led the IEPG-UNIFEI team, vice-champion of the FlexSim Healthcare global challenge promoted by Society for Health Systems (SHS), integrating Lean Healthcare, Discrete Simulation and Design of Experiments to optimize a real field hospital. In 2019, he led the IEPG-UNIFEI team championing of the FlexSim Healthcare global challenge promoted by Society for Health Systems (SHS), integrating Lean Healthcare, Discrete Simulation and Design of Experiments to optimize a canadian hospital. In 2021, he led the IEPG-UNIFEI team championing of the FlexSim Healthcare global challenge promoted by Society for Health Systems (SHS), integrating Lean Healthcare, Discrete Simulation and Design of Experiments to optimize an ambulatory endoscopic center in the face of the challenges imposed by the pandemic of COVID-19 and its comprehensive prevention protocols. Still in 2019, he led the IEPG-UNIFEI team champion of the Lean Simulation national challenge in the category Lean Board Game promoted by Grupo Engenho and Brazilian Association of Industrial Engineering (ABEPRO), integrating Lean Manufacturing, Cost Management and Economic Engineering to optimize a confection focused the production of small quantities of many varieties. Also in 2019, he attended the Argentine universities UNGS ("Universidad Nacional de General Sarmiento") and UNICEN ("Universidad Nacional del Centro de la Provincia de Buenos Aires") training students and teachers in Lean Lego Game and Simulation of Productive Processes with FlexSim. DOCTOR in INDUSTRIAL ENGINEERING by UNIVERSIDADE DE SÃO PAULO (USP), CAMPUS SÃO CARLOS-SP - AREA: Production Management in Lean; MASTER in INDUSTRIAL ENGINEERING by UNIVERSIDADE DE SÃO PAULO (USP), CAMPUS SÃO CARLOS-SP - AREA: Economic Management in Economic Evaluation of Projects; GRADUATE in Mechanical Engineering by UNIVERSIDADE FEDERAL DE ITAJUBÁ (UNIFEI) CAMPUS ITAJUBÁ