Tacit knowledge models to support sustainable manufacturing processes according to industry 4.0 trends

Guest Editors:

Dr. David A. Guerra-Zubiaga
Department of Mechatronics Engineering, Kennesaw State University, Kennesaw, GA, USA

Dr. Germanico Gonzalez-Badillo
Facultad de Ingeniería, Universidad Autonoma de San Luis Potosi, San Luis Potosí, Mexico

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Message from the Guest Editors

Dear Colleagues,

Robotics and mechatronics are multidisciplinary engineering areas combining complex tacit knowledge types difficult to identify, capture, store, reuse, share and maintain. As more complex mechatronics systems have been developed, there is a need of new mechatronics tacit knowledge models to support next-generation automation systems. Today, Industry 4.0 as a new industrial revolution is integrating intelligent components in a sustainable manufacturing domain providing competitive advantage to industry. This topic is focused on state-of-the-art research in advanced mechatronics tacit knowledge models exploring methods and tools to develop advanced and intelligent automation systems. Experimental investigation, analytical modeling, and numerical simulations implementing Industry 4.0 applications are of interest.

Dr. David A. Guerra-Zubiaga
Dr. Germanico Gonzalez-Badillo
Guest Editors

Special Issue

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Prof. Dr. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

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