



Recent Advanced Applications of Virtual Industrial Informatics and Robotics

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Message from the Guest Editors

Dear Colleagues,

In the new industrial age, technologies such as Artificial Intelligence (AI), Virtual/Augmented Reality (VR/AR), Internet of Things (IoT), automation, robotics and much more have a significant role.

Industrial informatics, as a border field between informatics and manufacturing technologies, offers the possibility of developing complex systems for planning and controlling manufacturing systems. In addition, human-machine interaction and virtual technologies open up possibilities for improving industrial processes through collaboration between the human operator and automated systems or robots. Immersive technologies (e.g., VR) allow users to transcend into virtual environments, AR technologies facilitate the self-learning and training of human operators, while mobile robots are becoming more and more collaborative and able to work in teams with humans.

This Special Issue focuses on manufacturing technologies that include the use of modern methods, tools and technologies aimed at using informatics, VR technologies and robotic solutions to develop innovative applications that can bring more benefits of current industrial processes.

