



AI, Designing, Sensing, Instrumentation, Diagnosis, Controlling, and Integration of Actuators in Digital Manufacturing—Volume II

Guest Editors:

Prof. Dr. Zhuming Bi

Prof. Dr. Aki Mikkola

Prof. Dr. Guilin Yang

Dr. Yuk-Ming Tang

Prof. Dr. Kai Leung Yung

Prof. Dr. Andrew W. H. Ip

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Message from the Guest Editors

Dear Colleagues,

Actuators are usually essential enablers to implement the functions of a device, product, or system. As primary system elements, actuators are required to be integrated with other system elements such as other actuators, sensors, end-effectors, and embedded controls to fulfill their functions. Therefore, modern actuators have advanced greatly through the incorporation of newly developed digital technologies such as artificial intelligence (AI), cyber-physical systems (CPSs), Internet of Things (IoT), digital twins (DT-I), cloud computing (CC), digital triads (DT-II), additive manufacturing, predictive manufacturing, blockchain technologies (BCT), and big data analytics (BDA). This Special Issue aims to collect some representative studies on the development of new machines, products, and systems in digital manufacturing, especially in aerospace engineering, with merits in the designing, sensing, instrumentation, diagnosis, control, and integration of actuators.

