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Advanced Modelling and Control of Complex Nonlinear Mechatronic Systems

Guest Editors:

Dr. Truong Quang Dinh

Prof. Dr. Adolfo Senatore

Prof. Dr. James Marco

Dr. Andrew McGordon

Deadline for manuscript submissions:
closed (30 September 2020)

Message from the Guest Editors

Dear Colleagues,

With the rapid development of computer-based technologies, a wide variety of complex mechatronic systems are used in different fields of application, such as robotic systems, manufacturing systems, heavy duty equipment, and transportation systems. Control technology is therefore considered as the key enabler for high-performance mechatronic applications.

This year, the 23rd International Conference on Mechatronics Technology (ICMT) 2019 is held at the University of Salerno, Italy on October 23rd–26th, 2019. For further information about the 23rd IMCT 2019, please see: www.icmt2019.org.

This Special Issue aims to publish the highest quality articles, including but not limited to selected papers from the IMCT2019, to contribute to the main theme of 'Advanced Modelling and Control of Complex Nonlinear Mechatronic Systems'.

Keywords: complex mechatronic system; nonlinearity and uncertainty; system identification; observer; model-based control; adaptive control; robust control; fault-tolerant control

Welcome to contribute.

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Editor-in-Chief

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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