Special Issue

Modern Mechatronics and Automation—An Open-Source Approach

Message from the Guest Editor

Nowadays, we can see modern mechatronic systems and automation everywhere, from industrial manufacturing to home automation. Using open-source hardware and software to rapidly prototype and develop mechatronic and automated systems has been well recognized by technological developers. Open-source electronic platforms, such as Arduino and Raspberry PI boards, as well as its compatible devices, have become a part of teaching and research activities at universities. The trend of shared source codes and documentation on web-based software platforms (e.g., Github), allowing professionals and amateurs to access and collaborate their intellectual works, has been promoted and implemented at not only open-source communities, but also in leading technological corporations. The technological and social impacts of open-source hardware and software in mechatronics and automation are not deniable.

The aim of this Special Issue is to gather the most recent methodologies, technologies, and applications of open-source hardware and software in modern mechatronics and automation.

Guest Editor

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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.

Editor-in-Chief

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