Special Issue

Recent Advances in Optomechatronics

Message from the Guest Editor

The aim of this Special Issue is to offer a forum for recent research in the field, but also for reviews and communications on relevant topics, concerning the development of macro- and micro-optomechatronic devices and systems (the latter as Micro-Electro-Mechanical Systems (MEMS)). Analytical studies, numerical simulations, and/or experimental approaches are considered. Such equipments (for example laser scanners and modulators of different types) usually include rapidly and/or precisely moving parts, therefore Finite Element Analysis (FEA) and sensors and control structures, respectively, have to be considered, and often kynematic and dynamic aspects, as well. Optomechatronic applications are also targeted. They encompass areas as diverse as industrial (from measurement techniques to robotics and laser manufacturing, for example), biomedical (from imaging, for example, with Optical Coherence Tomography (OCT), to laser systems in medicine), remote sensing, as well as security & defence. We hope thus to offer the scientific community an insight into a rapidly evolving and fascinating field.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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