Special Issue

Smart Materials for a Green(er) Economy

Message from the Guest Editor

Smart materials can help to significantly reduce the environmental impact of manufactured products. Some, for example, can greatly reduce the energy consumption of air conditioning systems (e.g., phase change materials, or PCMs). Others, such as shape memory materials, reduce the complexity of systems and facilitate their recycling. Other examples include self-repairing fabrics, which can extend the life of products, and metamaterials, which allow a significant reduction in the weight of structures while maintaining a high level of performance. The objective of this Special Issue is to give an overall perspective on the different families of smart materials which can significantly contribute to a greener economy and, more generally, to a greener world. It will include review papers as well as publications dedicated to the research and development of specific solutions based on these smart materials.

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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