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Smart Materials in 2018: Overview and Applications

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Message from the Guest Editors

Smart structures are able to monitor their status over time and, if necessary, react properly to the stresses they are subjected to. In order to actuate the required deformations, the peculiar properties of specific types of materials are exploited, such as piezo-electric materials or shape memory alloys.

The followings are the topics proposed for this special issue (but not limited to):

- Smart materials and smart structures
- Shape memory alloys (SMAs)
- Piezoelectric actuators
- Modelling and simulation of smart materials
- Properties and characterization of smart materials
- Design for manufacture of smart materials
- Materials selection of smart materials
- Smart materials and structures applications





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Message from the Editor-in-Chief

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