Special Issue

Shape Memory Alloys (SMAs) for Engineering Applications

Message from the Guest Editors

This Special Issue of *Materials* is dedicated to "Shape Memory Alloys (SMAs) for Engineering Applications". We are expecting to receive papers dealing with cutting-edge issues on research and application of SMAs in structural engineering. The topics of the Special Issue include, but are not limited to:

- Alloy designing of SMAs including: Nickel-titanium, Copper, Iron, Aluminum;
- Applications of SMAs for structural engineering using Damping capacity or Superelasticity;
- Applications in structural engineering for tensioning applications;
- Actuator applications of SMAs in structural engineering;
- Active vibration control in structural engineering using SMAs;
- Hybrid composites of shape memory alloys and polymers;
- SMAs as sensors for health monitoring of structural engineering;
- Modeling of the SMAs applications.

Guest Editors

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Dr. Christoph Czaderski
Prof. Dr. Moslem Shahverdi

Deadline for manuscript submissions

closed (31 October 2020)

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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