Special Issue

Innovative Road Materials and Pavement Design—Functional Materials and Intelligent Sensing Pavement

Message from the Guest Editors

There are some hot research technical directions in the development of contemporary highway transportation functional materials and intelligent sensing pavement. The topics of interest include but are not limited to the following:

- Latest achievements in the field of functional materials and intelligent sensing pavement, and discussion around future research directions and development;
- Development and design methods for self-heating/self-cooling/self-snow melting pavement materials;
- Self-sensing pavement and its supporting sensing system technology;
- Self-healing pavement and its diagnosis system technology;
- Evaluation methods of service performance of functional pavement;
- Self-energy harvesting pavement and its energy conversion system technology;
- Environmentally friendly pavement materials and structure;
- Development of self-cleaning pavement materials and their service performance;
- Development and establishment of multidimensional intelligent sensing system platforms for pavement;
- Processing and analysis method of massive data of intelligent sensing pavement.

Guest Editors

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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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