Special Issue

Materials, Structure, and Modeling for Smart and Resilient Roads

Message from the Guest Editors

The smartness and resilience of infrastructures are becoming increasingly ubiquitous. As important components of infrastructure, roads play an important role to achieve the goal for the entire infrastructure system. The large-scale construction of transportation infrastructure has increased the demand for its sustainability. To reduce the negative effects, the road structure needs to be more durable and smarter. The purpose of this Special Issue of the *Materials* is to attract manuscripts about new materials and innovative technologies for smart and resilient roads. The topics cover, but are not limited to, the following:

- Advanced functional materials to improve road resilience;
- Intelligent materials that enhance the road environment (smart roads);
- Innovative computational methods to solve road problems;
- High-performance and recycled road materials to enhance durability and sustainability;
- Incorporation of smart road principles into the design of cities;
- Advanced technologies for road construction and maintenance.

Guest Editors

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Prof. Dr. Filippo Giustozzi

Dr. Lingyun You

Deadline for manuscript submissions

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About the Journal

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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