Special Issue

Innovative Materials and Technologies for Smart Cities

Message from the Guest Editors

Smart cities have prompted the development of a range of new materials and technologies that can be applied to solve infrastructure problems associated with ageing infrastructure and increasing demands. Many efforts by both academy and industry have been devoted to developing new technologies. The constant advancement in materials and technologies for smart cities have encouraged us to propose the Special Issue "Innovative Materials and Technologies for Smart Cities" to present state-of-art materials and technologies including manufacturing processes, characterization, modeling, and applications. Therefore, we invite you to submit the results of your studies to this Special Issue, which is focused mainly, but not exclusively, on the following keywords below:

- Nanomaterials
- Carbon-based materials (carbon nanotubes, graphene)
- Green chemistry
- Characterization of mechanical/thermal/electrical properties
- Concrete
- Composites
- Self-sensing application
- Self-heating application
- Deep learning
- Scaffolding structures
- Structural health monitoring
- Damage detection
- Passive sensing
- Model updating

Guest Editors

Dr. Sung-Hwan Jang

Civil & Environmental Engineering, Hanyang University ERICA, Ansan 15588, Gyeonggi-do, Korea

Dr. Chunhee Cho

Civil and Environmental Engineering, University of Hawaii at Manoa, Honolulu, HI 96822, USA

Deadline for manuscript submissions

closed (20 September 2022)

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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