

Special Issue

Innovative Materials and Sustainable Infrastructure Construction

Message from the Guest Editor

The development of smart cities cannot be separated from the development of their infrastructures. To have a balance between sustainability and optimal structures, designers need to investigate the impact of new unconventional materials or common materials used for new construction systems on the structure reliability. As, for example, in the field of bridge engineering, the structural design follows consolidated laws to estimate the structural stability under traffic or wind loads, based on literature or guidelines in codes of practice. However, for designers to use new materials or new construction systems, guidelines must be updated. Similarly, road covering, tunnels, dikes, and other crucial infrastructures need to be built faster using new materials or new techniques. This Special Issue will collect several case studies of infrastructures designed using new materials or new constructional systems. The Special Issue should be interesting for both designers and companies to develop research projects.

Guest Editor

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