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Surface and Interface Behavior of Smart Concretes

Guest Editors:

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Deadline for manuscript submissions:
closed (20 February 2022)

Message from the Guest Editors

This Special Issue of *Materials* aims to publish state-of-the-art studies on interface phenomena as well as bond behavior of new concrete generations. Submissions in the fields of both experimental and numerical studies are welcome. The addressed areas of research include but are not limited to:

- Studying the surface and interface phenomena in reinforced concrete;
- Considering new concrete generations in the field of the interface bond, including geopolymer concrete, self-consolidating concrete, lightweight aggregate concrete, clay-based concrete, nanoconcrete, recycled aggregate concrete, rubberized concrete, silica fume concrete, slag concrete, fly ash concrete, and engineered cementitious composite;
- Numerical modeling of an RC member considering the bond-slip phenomenon and interfacial transition zone (ITZ);
- Re-consideration of standard provisions, in concrete design codes, for bond in different types of concrete composition;
- Advanced characterization methods for smart concretes.

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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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