



Surface and Interface Behavior of Smart Concretes

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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

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