

## Special Issue

# Numerical and Experimental Analysis of Advanced Concrete Materials

### Message from the Guest Editors

In modern engineering, more different types of concrete structures are used. Current applications in the construction of modern structures, require the analysis of structures of different material properties and shapes exposed to different types of loads. In practice, several experimental tests exist that provide new insights into concrete as a material. However, such tests are expensive, and new numerical models within which these results can be implemented and then used for further analysis, have a great advantage. The development of new numerical models based on experimental results can simulate the behavior of concrete as a building material with improved properties. Also numerical models can simulate the behavior of concrete structures whose load capacity can be increased form of fastening. The aim of this special edition is to collect and present new numerical simulations of the behavior of concrete as materials and concrete structures as well and thus provide a better understanding of the basic principles of cracking and propagation of cracks in concrete structures exposed to different types of loads. Dr. Nikolina Zivaljic

### Guest Editors

Dr. Nikolina Živaljić  
Dr. Hrvoje Smoljanović  
Dr. Ivan Balić

### Deadline for manuscript submissions

closed (10 June 2023)



## Materials

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### Message from the Editor-in-Chief

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