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Reviewers are selected by the Editors among the IBRACON members with recognized competence in the specific field of each contribution. They are acknowledged at the end of each volume.

The sixth issue of the 2018 volume of the IBRACON Structures and Materials Journal (Volume 11 Number 6, December 2018) is now available online, with twelve articles. The first article brings an evaluation of mechanical damage in concrete with longitudinal and transverse ultrasonic waves. The second article evaluates the phases present in cementitious compounds produced with binders obtained by thermomechanically treating cement pastes. The third article aims at the pozzolanic properties of ornamental stone processing waste after heat treatment at 1200 °C. The fourth article deals with strut-and-tie models for the analysis of nodal stresses in pile caps. The fifth article presents a numerical method for the reinforcement design of concrete cross-sections based on the arc length process. The sixth article aims at the rheological characterization of cementitious pastes with and without addition of ornamental rock processing residue. The seventh article presents an analysis of the assessment methods of reinforced concrete beams in fire conditions proposed by NBR 15200. The eighth article presents and discusses the test procedure proposed in the international standard ISO 15835 in light of the current procedure defined by Brazilian Standard ABNT NBR 8548, applied to mechanical splices commonly used in Brazil. The ninth article presents a life-cycle assessment contribution for selecting low environmental impact concrete mixtures, using breakwater coreloc components as a case study. In the tenth article an elastic-plastic model is applied in a finite element simulation of the interface behavior between fiber reinforced polymer bars and concrete. In the eleventh article, a coupled fluid-structure problem is approached, comparing the results with the modal analysis of a structure. The objective is to analyze the physical phenomenon of fluid-structure interaction in flexible structures. The last article presents a comparative analysis of design models for predicting the strengthening of reinforced concrete columns subjected to uniaxial compression.

We congratulate authors and reviewers for the quality of this issue.

The Editors