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Reviewers are selected by the Editors among IBRACON members with acknowledged competence in the specific area of each submission. Their contribution is acknowledged yearly, at the end of each volume. If necessary, the Editors will assign nonmembers as reviewers.

The fourth issue of 2019 of the IBRACON Structures and Materials Journal (RIEM, Volume 12, Number 4, August 2019) is now released with twelve articles on relevant topics of concrete structures and materials. The first article aims to evaluate the global structural stability of model concrete structures considering the eccentricity of the beam-wall connections. The flexural behavior of hybrid glass fiber reinforced polymer - concrete beams as railway sleepers, comparing to the prestressed concrete monoblock sleeper is the objective of the second article. In the third article, an experimental study is presented on the application of ultra high performance reinforced concrete (UHPRC) with sustainable materials produced in Brazil. The fourth article describes a statistical analysis of the inclusion effects of waste tire rubber and fly ash from thermoelectric plants as mortar components for coating buildings. In the fifth article, the behavior of reinforced concrete corbels strengthened with external prestressing is investigated. Nonlinear analysis of short corbels, strengthened or not, and analytical models based on the strut-and-tie model are described and results are compared with experimental results. The sixth article addresses the design of pile caps by strut-and-tie models. In the seventh article, the Laplace's equation is solved analytically in the complex plane for the field of hydrodynamic pressures generated by the rigid body movement of a dam against a reservoir with infinite domain and incompressible fluid. The axial compressive strength at 3, 7, and 28 days, and the tensile strength at 28 days of specimens of two self-compacting concrete mixes are evaluated in the eighth article. The difference between them was the presence of the sugarcane bagasse ash in the substitution rate of 10% of the sand mass in the second mix. The ninth article addresses concrete block structural masonry beam shear design, discussing the theoretical and experimental analyses and recommendations to the Brazilian standards. The tenth article aims to implement optimization techniques for the design of reinforced concrete beams according to the precepts of Brazilian Standard ABNT NBR 6118:2014. A computational algorithm for the verification of reinforced concrete sections in fire situation is described in the eleventh article. A stress integration algorithm was implemented from the strain profile of the section according to ABNT NBR 15200:2012, linked to a finite element mesh generator and a thermal analysis algorithm. The twelfth article analyzes a single reinforced concrete building designed for the 3 SL specified by ABNT NBR 15575:2013 - a standard that determines minimum performance requisites that must be applied to housing developments to meet requirements of habitability, safety, and sustainability. The study focused on the total consumption of steel and concrete.

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## The Editors