

Editorial

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Reviewers

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.

We are publishing the fourth issue of the eighth volume of the IBRACON Structures and Materials Journal. In this issue, the first of eight articles presents interaction curves for concrete-encased composite columns subjected to combined compression and bending, based on the deformation domains of reinforced concrete structures defined by ABNT NBR 6118. The second article describes a numerical and experimental analysis of the behavior of structural elements composed of double lattice panels filled with cast-in-place concrete. A probabilistic failure scenarios analysis is described in the third article for the assessment of the influence of reinforcement corrosion on statically indeterminate reinforced concrete beams. In the next article the B-WIM technique is applied for weighing in motion and characterization of the railroad traffic. Finite element analysis of composite concrete-timber beams is the subject of the fifth article. The use of electrochemical impedance spectroscopy for monitoring the corrosion of reinforced concrete is approached in the sixth article. The impacts of the 2014 Revision of the Brazilian Standard ABNT NBR 6118 in the structural design are discussed in the seventh article. The issue closes with an article on the behavior of granular rubber waste tire reinforced soil for application in geosynthetic reinforced soil wall.

We congratulate the authors for the quality of their contributions. All the articles are original and were reviewed by specialists selected among the IBRACON members and other invited reviewers, whose contribution is acknowledged.

Américo Campos Filho, José Luiz Antunes de Oliveira e Sousa, Rafael Giuliano Pileggi, Roberto Caldas de Andrade Pinto and Romilde Almeida de Oliveira, Editors