

IBRACON Structures and Materials Journal

Revista IBRACON de Estruturas e Materiais

Contents

<i>Reliability-based design optimization of a concrete dam</i>	15501
A.T. SIACARA, G.P. PELLIZZER, A.T. BECK and M.M. FUTAI	
<i>Important aspects in experimental versus numerical comparative analysis in pile caps</i>	15502
G.L. LUCHESI, R.P. RANDI, L.M. TRAUTWEIN and L.C. ALMEIDA	
<i>Comparison of machine learning techniques to predict the compressive strength of concrete and considerations on model generalization</i>	15503
R.C.F. PAIXÃO, R.E. PENIDO, A.A. CURY and J.C. MENDES	
<i>The fracture failure of three-dimensional concrete structures subjected to concentrated loadings using the Boundary Element Method</i>	15504
M. ROCHA and E.D. LEONEL	
<i>Prospective study on risk-targeted seismic hazard maps for Northeastern Brazil: case study in Zone 1 of ABNT NBR 15421:2006</i>	15505
E.M.V. PEREIRA, G.H.F. CAVALCANTE, R.B. ANDRADE, L.C.M. VIEIRA JR and G.H. SIQUEIRA	
<i>Assessment of the impact of adding fly ash and coal bottom ash to an advanced cement-based composite matrix</i>	15506
M. VIEIRA, G. PEREIRA, F. PACHECO, M.L.S. MARQUES, R. CHRIST and R.C.E. MODOLLO	
<i>Numerical-experimental study of neighboring wind effects on tall buildings related to serviceability via reliability</i>	15507
M.N. REIS, T.F.A. LAVÔR, J.C. PANTOJA and J.L.V. BRITO	
<i>Assessment of Brazilian onshore wind turbines foundations</i>	15508
A. NARDELLI and M.M. FUTAI	
<i>Evaluation of the effect of nanosilica and recycled fine aggregate in Portland cement rendering mortars</i>	15509
G.T.S. LIMA, A. ZALESKI, L.U.D. TAMBARA JR, J.C. ROCHA, F. PELISSER and P.J.P. GLEIZE	
<i>Structural retrofitting method for evaluating RC Jacketing in columns with amplification of moments under seismic loads</i>	15510
R.R. AGUERO, J.R.Y. AGUIRRE, M. SCHMITZ and C.H.H. VIEGAS	



Cover: Parametric Tower

Courtesy: Marcela Noronha P. de O. e Sousa



IBRACON

Ibracan Structures and Materials Journal is published bimonthly (February, April, June, August, October, and December) by IBRACON.

IBRACON
Instituto Brasileiro do Concreto Founded in 1972

Av. Queiroz Filho, nº 1700 — sala 407/408
Torre D — Villa Lobos Office Park
CEP 05319-000 — São Paulo, SP — Brazil
Phone: +55 11 3735-0202
Fax: +55 11 3733-2190
E-mail: riem@ibracon.org.br
Website: <http://www.ibracon.org.br>

Cover design & Layout: Editora Cubo
www.editoracubo.com.br