

Spotlight on Structures

Research Journal of The Institution of Structural Engineers

In this new section of *The Structural Engineer*, we shine a spotlight on papers recently published in *Structures* – the Research Journal of The Institution of Structural Engineers.

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The second issue of *Structures* (Volume 2) is now available online at www.sciencedirect.com/science/journal/23520124/2 and features the following articles:

Analysis of brick veneer on concrete masonry wall subjected to in-plane loads

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<http://dx.doi.org/10.1016/j.istruc.2014.11.001>

Performance assessment of steel–concrete composite bridges with subsurface deck deterioration

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Department of Civil and Environmental Engineering, University of Virginia, Charlottesville, VA 22904-4742, USA

<http://dx.doi.org/10.1016/j.istruc.2014.12.001>

Plastic hinge relocation in reinforced concrete frames as a method of improving post-earthquake fire resistance

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<http://dx.doi.org/10.1016/j.istruc.2014.12.003>

Influence of confinement reinforcement on the compression stress–strain of grouted reinforced concrete block masonry boundary elements

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<http://dx.doi.org/10.1016/j.istruc.2015.01.001>

Time dependent behavior of a FRR thermal break pad under compressive loads

Matthew Oostdyk, Matthew Polhemus, Andreas Gabrielsen, Douglas B. Cleary and William T. Riddell

Rowan University, College of Engineering, Glassboro, NJ 08028, USA

<http://dx.doi.org/10.1016/j.istruc.2015.01.002>

Prestress losses in pretensioned concrete beams cast with lightweight self-consolidating concrete

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<http://dx.doi.org/10.1016/j.istruc.2015.01.003>

Blast response of segmented bored tunnel using coupled SPH–FE method

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<http://dx.doi.org/10.1016/j.istruc.2015.02.001>

Comparative post-yield performance evaluation of flexural members under monotonic and cyclic loadings based on experimental tests

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<http://dx.doi.org/10.1016/j.istruc.2015.02.002>

Effective width equations accounting for element interaction for cold-formed stainless steel square and rectangular hollow sections

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<http://dx.doi.org/10.1016/j.istruc.2015.02.003>

Sensitivity of pushover curve to material and geometric modelling—an analytical investigation

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<http://dx.doi.org/10.1016/j.istruc.2015.02.004>