



Professor Chiara Bedon

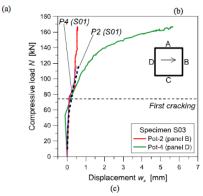


Fig. 11. Specimen S03. (a) Location of first cracks (column base): (b) load N-stress of measurements (mid-span cross-section) and (c) load N-translation w measurement.

From: Roman Kalamar, Chiara Bedon and Martina Eliasova, "Experimental investigation for the structural performance assessment of square hollow glass columns", Engineering Structures, Vol. 113, pp 1-15, April 2016

See:

https://scholar.google.it/citations?user=eH0h2IYAAAAJ&hl=enhttps://www.researchgate.net/profile/Chiara_Bedonhttps://it.linkedin.com/in/chiara-bedon-7a822023

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Selected Publications:

C. Amadio and C. Bedon, "Buckling of laminated glass elements in out-of-plane bending", Engineering Structures, Vol. 32, No. 11, pp 3780-3786, November 2010

Claudio Amadio and Chiara Bedon, "Buckling of laminated glass elements in compression", ASCE Journal of Structural Engineering, Vol. 137, No. 8, August 2011

C. Amadio, Ch. Bedon, Standardized buckling curves for the verification of glass columns, beams and panels. In: XXVII ATIV Conference, Parma, 2012, ISSN 2281-3462.

Chiara Bedon and Claudio Amadio, "Buckling of flat laminated glass panels under in-plane compression or shear", Engineering Structures, Vol. 36, pp 185-197, March 2012

- J. Belis, Ch. Bedon, Ch. Louter, C. Amadio, R. van Impe, Experimental and Analytical assessment of lateral torsional buckling of laminated glass beams, In: Engineering Structures, Elsevier Ltd. 51 (2013) 295-305.
- C. Bedon, J. Belis and A. Luible, "Assessment of existing analytical models for the lateral torsional buckling analysis of PVB and SG laminated glass beams via viscoelastic simulations and experiments", Engineering Structures, Vol. 60, pp 52-67, February 2014

Chiara Bedon and Claudio Amadio, "Flexural-torsional buckling: Experimental analysis of laminated glass elements", Engineering Structures, Vol. 73, pp 85-99, August 2014

Chiara Bedon and Claudio Amadio, "Buckling analysis of simply supported flat glass panels subjected to combined in-plane uniaxial compressive and edgewise shear loads", Engineering Structures, Vol. 59, pp 127-140, February 2014

Chiara Bedon and Claudio Amadio, "Numerical buckling analysis of geometrically imperfect glass panels under biaxial in-plane compressive/tensile loads", Engineering Structures, Vol. 60, pp 165-175, February 2014 Chiara Bedon, Claudio Amadio and Andrea Sinico (Department of Engineering and Architecture, Piazzale Europa 1, 34127 Trieste, Italy), "Numerical and analytical investigation on the dynamic buckling behavior of glass columns under blast", Engineering Structures, Vol. 79, pp 322-340, November 2014

Chiara Bedon and Claudio Amadio, "Exploratory finite-element investigation and assessment of standardized design buckling criteria for two-side linear adhesively supported glass panels under in-plane shear loads", Engineering Structures, Vol. 106, pp 273-287, January 2016

Chiara Bedon and Claudio Amadio (University of Trieste, Department of Engineering and Architecture, Piazzale Europa 1, 34127 Trieste, Italy), "Shear glass panels with point-fixed mechanical connections: Finite-element numerical investigation and buckling design recommendations", Engineering Structures, Vol. 112, pp 233-244, April 2016

Roman Kalamar, Chiara Bedon and Martina Eliasova, "Experimental investigation for the structural performance assessment of square hollow glass columns", Engineering Structures, Vol. 113, pp 1-15, April 2016

Roman Kalamar, Chiara Bedon and Martina Eliasova, "Assessing the structural behaviour of square hollow glass columns subjected to combined compressive and impact loads via full-scale experiments", Engineering Structures, Vol. 143, pp 127-140, July 2017

Chiara Bedon, Roman Kalamar and Martina Eliasova, "Glass columns under impact – Experimental and numerical analyses", Key Engineering Materials, Vol. 755, pp 82-89, 2017