



Figure 5: Lateral-torsional buckling test data with EN 1993-1-1 buckling curve

## Dr. Nancy R. Baddoo

**The right-most image above is from:** S. Afshan, P. Francis, N.R. Baddoo and L. Gardner, “Reliability analysis of structural stainless steel design provisions”, *Journal of Constructional Steel Research*, Vol. 114, pp 293-304, November 2015

See:

<https://steel-sci.com/nancy-baddoo.html>

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### Biography:

Nancy R. Baddoo joined SCI 32 years ago and has worked on many projects studying the structural response of high performance steels, both stainless steels and high strength carbon steels. She chairs the Eurocode Working Group for EN 1993-1-4 Structural Stainless Steel and recently wrote the AISC Design Guide on Structural Stainless Steel. She is also a member of the Eurocode Working Groups for Fire and High Strength Steels. She runs SCI’s Training Scheme for engineers seeking to become chartered members of the Institution of Civil Engineers (ICE) and is a member of the Editorial Advisory Panel for the ICE Journal ‘Structures and Buildings’.

### Selected Publications:

#### Book:

Nancy R. Baddoo and B.A. Burgan, *Structural Design of Stainless Steel*, Steel Construction Institute, 2002, 317 pages

#### Journal Articles, etc.:

N.R. Baddoo, L. Gardner, Final Report. ECSC Project Development of the Use of Stainless Steel in Construction. Technical Report RT810, Contract No. 7210 SA/842, The Steel Construction Institute, UK (2000)

B.A. Burgan, N.R. Baddoo, K. Gilsonen, Structural design of stainless steel members – comparison between Eurocode 3, part 1.4 and test results, *J. Constr. Steel Res.*, 54 (1) (2000), pp. 51-73

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K.A. Cashell, N.R. Baddoo, Ferritic stainless steels in structural applications, *Thin-Walled Struct.*, 83 (2014), pp. 169-181

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S. Afshan, P. Francis, N.R. Baddoo and L. Gardner, "Reliability analysis of structural stainless steel design provisions", *Journal of Constructional Steel Research*, Vol. 114, pp 293-304, November 2015

Gabriel Sabau, Ove Lagerqvist and Nancy Baddoo, "Statistical Analysis of Flexural-Buckling-Resistance Models for High-Strength Steel Columns", *ASCE Journal of Structural Engineering*, Vol. 146, No. 2, February 2020

Jelena Dobrić, Aljoša Filipović, Zlatko Marković and Nancy Baddoo, "Structural response to axial testing of cold-formed stainless steel angle columns", *Thin-Walled Structures*, Article 106986, Vol. 156, November 2020