



Professor Ou Zhao

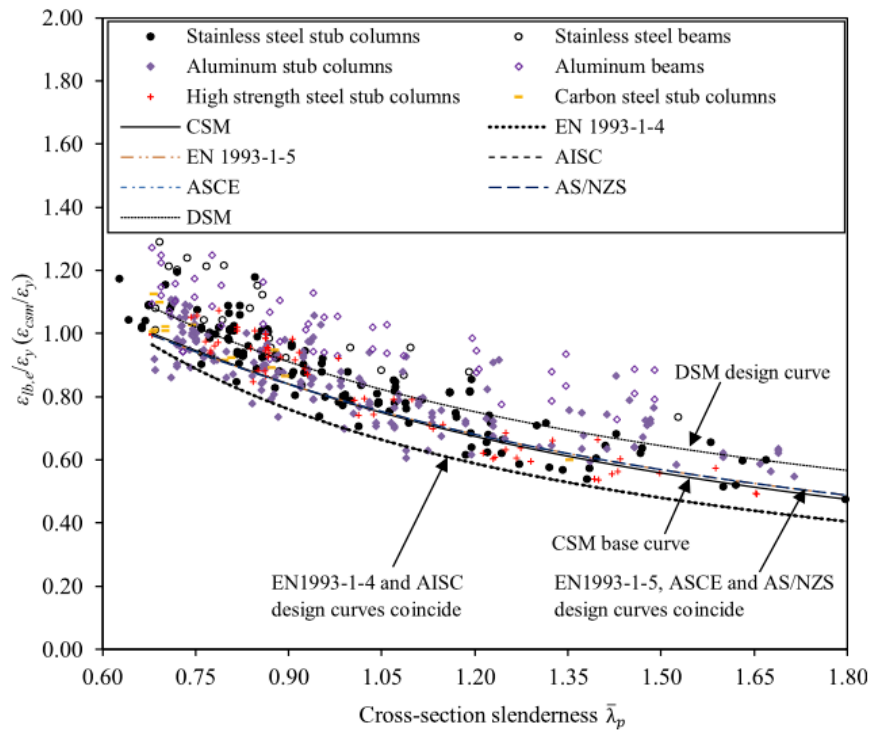


Fig. 3. Experimental equivalent local buckling strain ratio plotted against cross-section slenderness.

From: Ou Zhao, Sheida Afshan and Leroy Gardner, “Structural response and continuous strength method design of slender stainless steel cross-sections”, *Engineering Structures*, Vol. 140, pp 14-25, 2017

See:

https://www.researchgate.net/profile/Ou_Zhao2

<https://scholar.google.com/citations?user=jwFKlagAAAAJ&hl=zh-CN>

http://www.cee.ntu.edu.sg/aboutus/FacultyDir/Pages/Zhao_Ou.aspx

http://research.ntu.edu.sg/expertise/academicprofile/Pages/StaffProfile.aspx?ST_EMAILID=OU.ZHAO&CategoryDescription=CivilandEnvironmentalEngineering

School of Civil and Environmental Engineering
Nanyang Technological University, Singapore

Education:

Ph.D., Imperial College London, UK, 2012–2015
M.Sc., Imperial College London, UK, 2011–2012
B.Eng., Central South University, China, 2007–2011

Career:

November 2016 – present, Assistant Professor. School of Civil and Environmental Engineering, Nanyang Technological University, Singapore
October 2015 – November 2016, Postdoctoral Research Associate. Department of Civil and Environmental Engineering, Imperial College London, UK

October 2015 – November 2016, Fonds Wetenschappelijk Onderzoek (FWO) Postdoctoral fellow, Department of Civil Engineering, University of Leuven, Belgium

Research Interests:

Beam-column theory; Composite connections; Fire engineering; High strength steel structures; Plate and shell theory; Stainless steel structures

Selected Publications:

- Ou Zhao and Leroy Gardner, “The continuous strength method for the design of mono-symmetric and asymmetric stainless steel cross-sections in bending”, *Journal of Constructional Steel Research*, Vol. 150, pp 141-152, 2018
- Ou Zhao, Sheida Afshan and Leroy Gardner, “Structural response and continuous strength method design of slender stainless steel cross-sections”, *Engineering Structures*, Vol. 140, pp 14-25, 2017
- Sheida Afshan, Ou Zhao and Leroy Gardner, “Buckling curves for stainless steel tubular columns”, *EUROSTEEL 2017*, Copenhagen, Denmark, 13-15 September 2017, pp 3481-3490
- Zhao, O., Gardner, L. and Young, B. (2016). Experimental study of ferritic stainless steel tubular beam-column members subjected to unequal end moments. *Journal of Structural Engineering (ASCE)*, 142(11), 04016091.
- Zhao, O., Gardner, L. and Young, B. (2016). Behaviour and design of stainless steel SHS and RHS beam-columns. *Thin-Walled Structures*, 106, 330–345.
- Zhao, O., Gardner, L. and Young, B. (2016). Testing and numerical modelling of austenitic stainless steel CHS beam-columns. *Engineering Structures*, 111, 263–274.
- Zhao, O., Gardner, L. and Young, B. (2016). Structural performance of stainless steel circular hollow sections under combined axial load and bending – Part 1: Experiments and numerical modelling. *Thin-Walled Structures*, 101, 231–239.
- Zhao, O., Gardner, L. and Young, B. (2016). Structural performance of stainless steel circular hollow sections under combined axial load and bending – Part 2: Parametric studies and design. *Thin-Walled Structures*, 101, 240–248.
- Zhao, O., Gardner, L. and Young, B. (2016). Buckling of ferritic stainless steel members under combined axial compression and bending. *Journal of Constructional Steel Research*, 117, 35–48.
- Zhao, O., Rossi, B., Gardner, L. and Young, B. (2016). Experimental and numerical studies of ferritic stainless steel tubular cross-sections under combined compression and bending. *Journal of Structural Engineering (ASCE)*, 142(2), 04015110.
- Zhao, O., Rossi, B., Gardner, L. and Young, B. (2015). Behaviour of structural stainless steel cross-sections under combined loading – Part I: Experimental study. *Engineering Structures*, 89, 236–246.
- Zhao, O., Rossi, B., Gardner, L. and Young, B. (2015). Behaviour of structural stainless steel cross-sections under combined loading – Part II: Numerical modelling and design. *Engineering Structures*, 89, 247–259.
- Theofanous, M., Saliba, N., Zhao, O. and Gardner, L. (2014). Ultimate response of stainless steel continuous beams. *Thin-Walled Structures*, 83, 115–127.