



Professor Feng Zhou

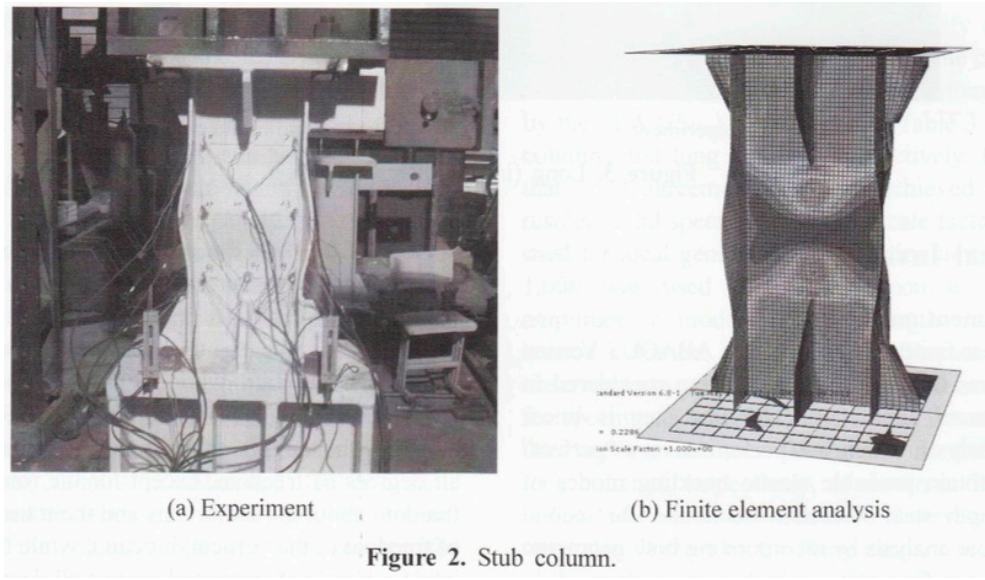


Figure 2. Stub column.

From: Feng Zhou, Lewei Tong and Yiyi Chen, “Experimental and numerical investigations of high strength steel welded H-section columns”, *International Journal of Steel Structures*, Vol. 13, No. 2, pp 209-218, June 2013

See:

<https://www.journals.elsevier.com/journal-of-constructive-steel-research/news/jcsr-welcomes-new-editors>
https://www.researchgate.net/scientific-contributions/2038740897_Feng_Zhou

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Biography:

Dr. Feng Zhou received his Ph.D. degree at The University of Hong Kong in 2006. He is currently an Associate Professor of Structural Engineering at the College of Civil Engineering in Tongji University. He is engaged in teaching at both undergraduate and postgraduate levels, specialist advisory work and research in the area of steel structures. His research interest mainly includes cold-formed steel structures, stainless steel structures, aluminum structures, structural stability, and seismic of steel structures.

Selected Publications:

- F. Zhou, B. Young, Tests of cold-formed stainless steel tubular flexural members, *Thin-Walled Struct.*, 43 (9) (2005), pp. 1325-1337
- F. Zhou, B. Young, Yield line mechanism analysis on web crippling of cold-formed stainless steel tubular sections under two-flange loading, *Eng. Struct.*, 28 (2006), pp. 880-892
- F. Zhou, B. Young, Cold-formed high-strength stainless steel tubular sections subjected to web crippling, *J. Struct. Eng.*, 133 (2007), pp. 368-377
- F. Zhou and B. Young, Experimental investigation of cold-formed high-strength stainless steel tubular members subjected to combined bending and web crippling, *J. Struct. Eng.-ASCE* 133 (7) (2007) 1027–1034
- Young, B. and F. Zhou, 2008. Aluminum tubular sections to web crippling_Part I: Test and finite element analysis. *Thin-Walled Structures*, 46:339-351.
- Young, B. and F. Zhou, 2008. Aluminum tubular sections to web crippling_Part II: Proposed design equations. *Thin-Walled Structures*, 46: 352-361.

Zhou, F. and Young, B. (2008), "Web crippling of cold-formed stainless steel tubular sections", *Adv. Struct. Eng.*, 11(6), 679-691.

F. Zhou, B. Young and X. L. Zhao, *Journal of Structural Engineering* 135(7), 806 (2009), DOI: 10.1061/(ASCE)ST.1943-541X.0000015.

F. Zhou, B. Young, Web crippling of aluminium tubes with perforated webs, *Eng. Struct.*, 32 (2010), pp. 1397-1410

Feng Zhou and Ben Young, "Numerical analysis and design of concrete-filled aluminum circular hollow section columns", *Thin-Walled Structures*, Vol. 50, pp 45-55, January 2012

Feng Zhou, James B.P. Lim and Ben Young, "Ultimate compressive strength of cold-formed steel angle struts loaded through a single bolt", *Advances in Structural Engineering*, Vol. 15, No. 9, pp 1583-1595, September 2012

Feng Zhou, Yiyi Chen and Ben Young, "Cold-formed high strength stainless steel cross-sections in compression considering interaction effects of constituent plate elements", *Journal of Constructional Steel Research*, Vol. 80, pp 32-41, January 2013

Feng Zhou, Lewei Tong and Yiyi Chen, "Experimental and numerical investigations of high strength steel welded H-section columns", *International Journal of Steel Structures*, Vol. 13, No. 2, pp 209-218, June 2013

Feng Zhou and Ben Young, "Web crippling behaviour of cold-formed duplex stainless steel tubular sections at elevated temperatures", *Engineering Structures*, Vol. 57, pp 51-62, December 2013

Feng Zhou and Gan Long, "Element interaction of cold-formed stainless steel cross-sections subjected to major axis bending", *Journal of Constructional Steel Research*, Vol. 118, pp 22-40, March 2016

F. Zhou, W. Xu, Cyclic loading tests on concrete-filled double-skin (SHS outer and CHS inner) stainless steel tubular beam-columns, *Eng. Struct.*, 127 (2016), pp. 304-318

Feng Zhou, Yunhao Ling and Pei Huang, "Tests of carbon fibre-reinforced polymer strengthened cold-formed stainless steel tubular sections subjected to web crippling", *Advances in Structural Engineering*, Vol. 19, No. 11, pp 1755-1768, November 2016

Cheng Fang, Feng Zhou and Chenhao Luo, "Cold-formed stainless steel RHSs/SHSs under combined compression and cyclic bending", *Journal of Constructional Steel Research*, Vol. 141, pp 9-22, February 2018

Cheng Fang, Feng Zhou and Wei Wu, "Performance of elliptical hollow sections under combined compression and cyclic bending", *ASCE Journal of Structural Engineering*, Vol. 144, No. 8, August 2018

Feng Zhou and Zhi Chen, "Element interactions of cold-formed stainless steel cross-sections subjected to combined compression and bending", *Thin-Walled Structures*, Vol. 131, pp 428-439, October 2018

Feng Zhou and Ben Young, "Concrete-filled double-skin aluminum circular hollow section stub columns", *Thin-Walled Structures*, Vol. 133, pp 141-152, December 2018

Feng Zhou and Ben Young, "Combined bending and web crippling of aluminum SHS members", *Steel and Composite Structures*, Volume 31, Number 2, April 25 2019, pages 173-185

Feng Zhou and Ben Young, "Aluminium alloy channels subjected to web crippling", *Advances in Structural Engineering*, Vol. 22, No. 7, pp 1617-1630, May 2019

Feng Zhou and Ben Young, "Experimental investigation of concrete-filled single-skin and double-skin steel oval hollow section stub columns", *Thin-Walled Structures*, Vol. 140, pp 157-167, July 2019