



Fig.2. Schematic of specimen

Professor Ran Feng

The middle image represents the book: Ehab Ellobody, Ran Feng and Ben Young, Finite Element Analysis and Design of Metal Structures, Butterworth-Heinemann, 2014, 218 pages

The right-most image is from: Ji-Hua Zhu, Liangliang Wei, Wenting Wu, Feng Xing and Ran Feng, "Experimental study of concrete strengthened by stiffened aluminum plate", Applied Mechanics and Materials, Vols. 584-586, pp 997-1000, 2014

See:

https://www.researchgate.net/profile/Ran_Feng2

Civil and Environmental Engineering, Harbin Institute of Technology, Shenzhen, China

Selected Publications:

Ran Feng and Ben Young, "Tests of stainless steel RHS X-joints", 11th International Symposium on Tubular Structures, Quebec City, Canada, August 2006

James B.P. Lim, Ben Young and Ran Feng, "Ultimate bearing shear strength of cold-formed steel members using bolted connections at elevated temperatures", 5th International Conference on Advances in Steel Structures, Singapore, December 2007

Ran Feng and Ben Young, "Tests of concrete-filled stainless steel tubular T-joints", Journal of Constructional Steel Research, Vol. 64, No. 11, pp 1283-1293

Ran Feng and Ben Young, "Behaviour of concrete-filled stainless steel tubular X-joints subjected to compression", Thin-Walled Structures, Vol. 47, No. 4, pp 365-374, April 2009

Ran Feng and Ben Young, "Tests and behaviour of cold-formed stainless steel tubular X-joints", Thin-Walled Structures, Vol. 48, No. 12, pp 921-934, December 2010

Ran Feng and Ben Young, "Design of cold-formed stainless steel tubular T- and X-joints", Journal of Constructional Steel Research, Vol. 67, No. 3, pp 421-436, March 2011

Ran Feng and Ben Young, "Design of cold-formed stainless steel tubular joints at elevated temperatures", Engineering Structures, Vol. 35, pp 188-202, February 2012

Ehab Ellobody, Ran Feng and Ben Young, Finite Element Analysis and Design of Metal Structures, Butterworth-Heinemann, 2014

Ji-Hua Zhu, Liangliang Wei, Wenting Wu, Feng Xing and Ran Feng, "Experimental study of concrete strengthened by stiffened aluminum plate", Applied Mechanics and Materials, Vols. 584-586, pp 997-1000, 2014

Ran Feng and Ben Young, "Theoretical analysis of cold-formed stainless steel tubular joints", Engineering Structures, Vol. 83, November 2014

Ran Feng and Ben Young, "Experimental investigation of aluminium alloy stub columns with circular openings", Journal of Structural Engineering, Vol 141, No. 11, Article ID 04015031, February 2015

Yu Chen, Ran Feng and Chaoyang Wang, "Tests of steel and composite CHS X-Joints with curved chord under axial compression", *Engineering Structures*, Vol. 99, September 2015

Haiying Wan, Jia Zhu and Ran Feng, "Experimental study on behaviour of retrofitted square hollow section slender columns under axial compression", 2nd International Conference on Performance-based and Life-Cycle Structural Engineering, Brisbane, Australia, December 2015

Yu Chen, Ran Feng and Lin Wei, "Design of CHS brace-to-H-shaped chord T-joints under axial compression", *Thin-Walled Structures*, Vol. 98, Part B, pp 274-284, January 2016

Yu Chen, Ran Feng and Lele Xiong, "Experimental and numerical investigations on double-skin CHS tubular X-joints under axial compression", *Thin-Walled Structures*, Vol. 106, pp 268-283, September 2016

Haiying Wan, Ran Feng and Jun Peng, "Experimental study on steel CHS slender columns strengthened by CFRP under axial compression", 8th International Conference on Steel and Aluminium Structures, Hong Kong, China, December 2016

Ran Feng, Xinling Mou, Anying Chen and Yihong Ma, "Tests of aluminium alloy CHS columns with circular openings", *Thin-Walled Structures*, Vol. 109, pp 113-131, December 2016

Ran Feng, Yu Chen and Dongfen Chen, "Experimental and numerical investigations on collar plate and doubler plate reinforced SHS T-joints under axial compression", *Thin-Walled Structures*, Vol. 110, pp 75-87, January 2017

Yu Chen, Ran Feng and Lipeng Wang, "Flexural behaviour of concrete-filled stainless steel SHS and RHS tubes", *Engineering Structures*, Vol. 134, pp 159-171, March 2017

Ran Feng, Yu Chen and Wenzhi Gong, "Flexural behaviour of concrete-filled aluminium alloy thin-walled SHS and RHS tubes", *Engineering Structures*, Vol. 137, pp 33-49, April 2017

Yu Chen, Ran Feng, Yongbo Shao, Xiaotian Zhang, "**Bond-slip behaviour of concrete-filled stainless steel circular hollow section tubes**", *J. Constr. Steel Res.*, 130 (2017), pp. 248-263

Yu Chen, Ran Feng and Jie Xu, "Flexural behavior of CFRP strengthened concrete-filled aluminium alloy CHS tubes", *Construction and Building Materials*, Vol. 142, pp 295-319, July 2017

Ran Feng, Yu Chen and Tao Chen, "Flexural behaviour of concrete-filled CHS X-joints with curved chord under out-of-plane bending", *Engineering Structures*, Vol. 145, pp 254-272, August 2017

Yu Chen, Ran Feng and Liqun Fu, "Investigation of grouted stainless steel SHS tubular X- and T-joints subjected to axial compression", *Engineering Structures*, Vol. 150, pp 318-333, November 2017

Yu Chen, Kai Wang, Ran Feng, Kang He and Lipeng Wang, "Flexural behaviour of concrete-filled stainless steel CHS tubes subjected to static loading", *Journal of Constructional Steel Research*, Vol. 139, pp 30-43, December 2017

Yu Chen, Ran Feng, Kang He, Xixiang Chen and Junfei Huang, "Flexural behaviour of concrete-filled stainless steel SHS and RHS tubes strengthened by CFRP", *Thin-Walled Structures*, Vol. 122, pp 208-229, January 2018

Ran Feng, Yu Chen, Jiangang Wei, Jinyan Huang, Junfei Huang and Kang He, "Experimental and numerical investigations on flexural behaviour of CFRP reinforced concrete-filled stainless steel CHS tubes", *Engineering Structures*, Vol. 156, February 2018

Yu Chen, Ran Feng and Wenzhi Gong, "Flexural behavior of concrete-filled aluminum alloy circular hollow section tubes", *Construction and Building Materials*, Vol. 165, pp 173-186, March 2018

Ran Feng, Yu Chen, Jiangang Wei, Kang He and Liqun Fu, "Behaviour of grouted stainless steel tubular X-joints with CHS chord under axial compression", *Thin-Walled Structures*, Vol. 123, pp 323-342, March 2018

Ran Feng, Wu Zhu, Haiying Wan, Anying Chen and Yu Chen, "Tests of perforated aluminium alloy SHSs and RHSs under axial compression", *Thin-Walled Structures*, Vol. 130, pp 194-212, September 2018

Yu Chen and Ran Feng, "Behaviour of concrete-filled double-skin circular hollow section cross joints under axial compression", *International Journal of Steel Structures*, Vol. 18, No. 3, pp 750-772, September 2018

Yao Zhu, Yu Chen, Kang He, Ran Feng, Xiaoyong Zhang, Qingxia Zhu (1) and Chao Tang, "Flexural behavior of concrete-filled SHS and RHS aluminum alloy tubes strengthened with CFRP", *Composite Structures*, Vol. 238, Article 111975, 15 April 2020