



Professor Jeffrey A. Packer

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<http://civmin.utoronto.ca/home/about-us/directory/professors/jeffrey-packer/>
<http://news.engineering.utoronto.ca/jeffrey-packer-receives-excellence-innovation-civil-engineering-award/>
https://www.researchgate.net/scientific-contributions/72309759_Jeffrey_A_Packer
<https://www.prnewswire.com/news-releases/dr-jeffrey-packer-joins-steel-tube-institutes-hss-committee-board-126174183.html>

Department of Civil and Mineral Engineering
University of Toronto, Ontario, Canada

Professor Jeffrey Packer is an international authority and leading scholar in the field of tubular steel structures. He has published extensively on this topic, including many books - directed at practicing engineers - that span five languages. He currently serves on technical committees for the American Institute of Steel Construction, American Welding Society, Canadian Standards Association, International Institute of Welding, Steel Tube Institute, and the International Committee for the Development and Study of Tubular Construction.

Education and Designations:

B.E., 1st. Class Honours, Civil Engineering, University of Adelaide, Australia
M.Sc., Structural Engineering, University of Manchester, U.K.



This test sample of an EHS failed by local buckling.

From: J.A. Packer, "Going elliptical", Modern Steel Construction, American Institute of Steel Construction (2008), pp. 65-67 [March Issue]

Ph.D., Structural Engineering, University of Nottingham, U.K.
D.Sc., Structural Engineering, University of Nottingham, U.K.
C.Eng., P.Eng., F.CAE, F.ICE, F.ASCE, F.CSCE, F.AAAS

Research Interests:

Experimental (small- to large-scale), numerical (non-linear finite element analysis) and analytical research related to the behaviour and design of steel structures.

Research is oriented towards:

Tubular structures, connections and joints (welded, bolted, nailed and cast)

Diverse loading conditions, covering quasi-static, fatigue, impact, blast and seismic

Varied materials, including cast iron, glass, fibre-reinforced polymer composites, and steel-concrete composites.

Awards:

Fellow of the Canadian Society for Civil Engineering (2016)

Fellow of the Canadian Academy of Engineering (2012)

Shortridge Hardesty Award (American Society of Civil Engineers, 2012)

Sir Casimir Gzowski Medal (Canadian Society for Civil Engineering, 2011)

Engineering Medal for Research and Development (Ontario Professional Engineers, 2010)

H.A. Krentz Award (Steel Structures Education Foundation, 2010)

Excellence in Innovation in Civil Engineering Award (Canadian Society for Civil Engineering, 2009)

Bahen/Tanenbaum Endowed Chair (University of Toronto, 2009)

Houdremont Lecture Award (International Institute of Welding, 2006)

Doctor of Science (University of Nottingham, U.K., 2006)

H.A. Krentz Award (Steel Structures Education Foundation, 2005)

American Institute of Steel Construction Special Achievement Award (2005)

Kurobane Prize for Tubular Structures (International Institute of Welding, 2003)

Selected Publications:

J.A. Packer, "Going elliptical", *Modern Steel Construction*, American Institute of Steel Construction (2008), pp. 65-67 [March Issue]

X.L. Zhao, J.A. Packer, "Tests and design of concrete-filled elliptical hollow section stub columns", *Thin-Walled Struct*, 47 (6-7) (2009), pp. 617-628

Tarana Haque, Jeffrey A. Packer and Ziao-Ling Zhao, "Equivalent RHS approach for the design of EHS in axial compression or bending", *Advances in Structural Engineering*, Vol. 15, No. 1, pp 107-120, January 2012

M. Sun, J.A. Packer, Direct-formed and continuous-formed rectangular hollow sections, *J. Constr. Steel Res.*, 92 (2014), pp. 67-78

Mahsa Mirmoneni, Amin Heidarpour, Xiao-Ling Zhao, Riadh Al-Mahaidi and Jeffrey A. Packer, "Size-dependency of concrete-filled steel tubes subject to impact loading", *International Journal of Impact Engineering*, Vol. 100, pp 90-101, February 2017

Cameron B. Ritchie, Jeffrey A. Packer, Michael V. Seica and Xiao-Ling Zhao, "Flexural behavior of concrete-filled double-skin tubes subject to blast loading", *ASCE Journal of Structural Engineering*, Vol. 144, No. 7, July 2018

Cameron B. Ritchie, Jeffrey A. Packer, Michael V. Seica and Xiao-Ling Zhao, "Behaviour and analysis of concrete-filled rectangular hollow sections subject to blast loading", *Journal of Constructional Steel Research*, Vol. 147, pp 340-359, August 2018