



Professor Qing Li



Steven, G., Li, Q., Zhang, Z. (Editors), *Advances in Computational Mechanics: Applied Mechanics and Materials Volume 553*. Switzerland: Trans Tech Publications, 2014

See:

<https://sydney.edu.au/engineering/about/our-people/academic-staff/qing-li.html>

<https://scholar.google.com/citations?user=xaUOjFAAAAAAJ&hl=en>

https://www.researchgate.net/profile/Qing_Li24

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The University of Sydney, Sydney, NSW 2006, Australia

Biography:

Professor Qing Li obtained his PhD degree from the University of Sydney in 2000. He received postdoc training from Cornell University, NY, USA 2000 - 2001. He was a recipient of an Australian Research Council (ARC) Australian Postdoctoral (APD) Research Fellowship in 2001 (55 awarded nationwide). Dr Qing Li was a senior lecturer in School of Engineering, James Cook University, Townsville, Australia from 2004 to 2006. He returned to Sydney by taking up a Sesqui senior lectureship in 2006, where he was promoted to Associate Professor in 2010 and Professor in 2014. Prior to his academic appointment in Sydney, Dr Qing Li was a recipient of an Australian Academy of Science (AAS) international award to visit the University of Michigan, Ann Arbor, USA in 2006. Professor Qing Li is now an ARC Future Fellow (2013-2017) in the School of Aerospace, Mechanical and Mechatronic Engineering, at the University of Sydney.

Selected Publications:

Books:

Steven, G., Li, Q., Zhang, Z. (Editors), *Advances in Computational Mechanics: Applied Mechanics and Materials Volume 553*. Switzerland: Trans Tech Publications, 2014.

Li, Q., Mai, Y. (Editors), *Biomaterials for Implants and Scaffolds*. Berlin: Springer, 2017

Journal Articles, etc:

Guangyong Sun, Guangyao Li, Shujuan Hou, Shiwei Zhou, Wei Li and Qing Li, "Crashworthiness design for functionally graded foam-filled thin-walled structures", *Material Science and Engineering A*, Vol. 527, No. 7, pp 1911-1919, 2010

Shujuan Hou, Xu Han, Guangyong Sun, Shuyao Long, Wei Li, Xujing Yang and Qing Li, "Multiobjective optimization for tapered circular tubes", *Thin-Walled Structures*, Vol. 49, No 7, pp 855-863, July 2011

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Sun, G., Li, G., Stone, M., Li, Q. (2013). Multi-Fidelity Optimization Procedure for Honeycomb-Type Cellular Materials. In Yucheng Liu (Eds.), *Structural Analysis and Modelling: Research and Development*, (pp. 239-265). New York, United States of America: Nova Science Publishers.

Fengxiang Xu, Guangyong Sun, Guangyao Li and Qing Li, "Experimental study on crashworthiness of tailor-welded blank (TWB) thin-walled high-strength steel (HSS) tubular structures", *Thin-Walled Structures*, Vol. 74, pp 12-27, January 2014

Guangyong Sun, Fengxiang Xu, Guangyao Li and Qing Li, "Crashing analysis and multiobjective optimization for thin-walled structures with functionally graded thickness", *International Journal of Impact Engineering*, Vol. 64, pp 62-74, February 2014

Gang Zheng, Suzhen Wu, Guangyong Sun, Guangyao Li and Qing Li, "Crushing analysis of foam-filled single and bitubal polygonal thin-walled tubes", *International Journal of Mechanical Sciences*, Vol. 87, pp 226-240, October 2014

Yong Zhang, Guangyong Sun, Xipeng Xu, Guangyao Li and Qing Li, "Multiobjective crashworthiness optimization of hollow and conical tubes for multiple load cases", *Thin-Walled Structures*, Vol. 82, pp 331-342, September 2014

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Sen Lin, Shiwei Zhou, Yi Min Xie, Xiaodong Huang and Qing Li, "Buckling-induced retraction of structured spherical shell under pressure", *Applied Mechanics and Materials*, Vol. 553, pp 842-846, 2014

Guangyao Li, Fengxiang Xu, Guangyong Sun and Qing Li, "Crashworthiness study on functionally graded thin-walled structures", *International Journal of Crashworthiness*, Vol. 20, No. 3, pp 280-300, 2015

Guangyao Li, Fengxiang Xu, Guangyong Sun and Qing Li, "A comparative study on thin-walled structures with functionally graded thickness (FGT) and tapered tubes withstanding oblique impact loading", *International Journal of Impact Engineering*, Vol. 77, pp 68-83, March 2015

Fangyi Li, Guangyong Sun, Xiaodong Huang, Jianhua Rong and Qing Li, "Multiobjective robust optimization for crashworthiness design of foam filled thin-walled structures with random and interval uncertainties", *Engineering Structures*, Vol. 88, pp 111-124, April 2015

Sen Lin, Yi Min Xie, Qing Li, Xiaodong Huang & Shiwei Zhou, "Buckling-induced retraction of spherical shells: a study on the shape of aperture", *Nature.com Scientific Reports* Vol. 5, Article Number: 11309, June 2015

Xiuzhe An, Yunkai Gao, Jianguang Fang, Guangyong Sun and Qing Li, "Crashworthiness design for foam-filled thin-walled structures with functionally lateral graded thickness sheets", *Thin-Walled Structures*, Vol. 91, pp 63-71, June 2015

Shujuan Hou, Chengfu Shu, Shuyun Zhao, Tangying Liu, Xu Han and Qing Li, "Experimental and numerical studies on multi-layered corrugated sandwich panels under crushing loading", *Composite Structures*, Vol. 126, pp 371-385, August 2015

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Guohua Zhu, Shunfeng Li, Guangyong Sun, Guangyao Li and Qing Li, "On design of graded honeycomb filler and tubal wall thickness for multiple load cases", *Thin-Walled Structures*, Vol. 109, pp 377-389, December 2016

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