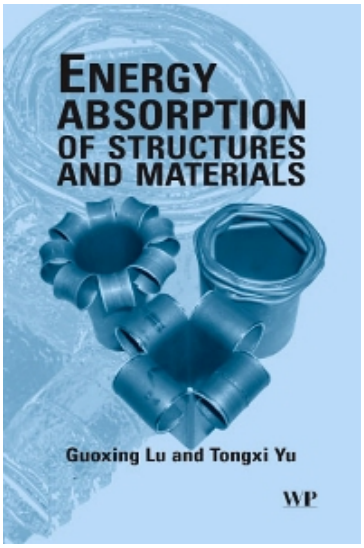
Professor Guoxing Lu



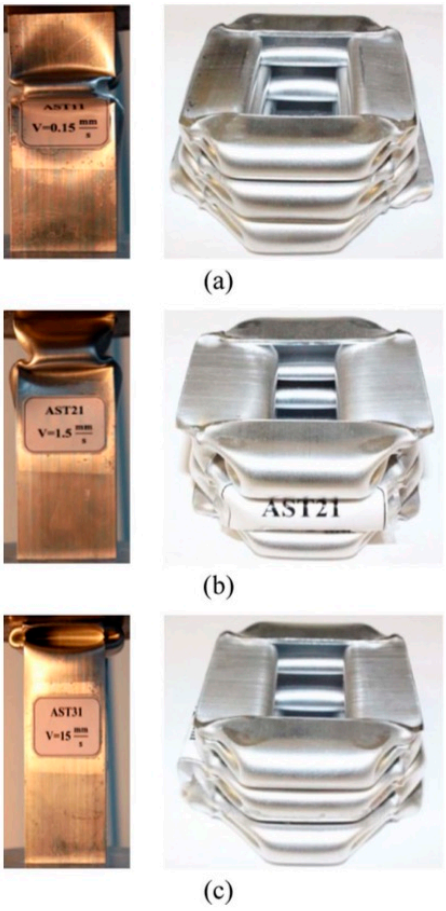


Fig. 6. Initial and final deformation modes of hollow tubes (Group 1), crushed at velocities of: (a) 0.15 mm/s; (b) 1.5 mm/s; (c) 15 mm/s.

Rightmost image is from: Rafea Dakhil Hussein, Dong Ruan, Guoxing Lu, Stephen Guillow and Jeong Whan Yoon, "Crushing response of square aluminium tubes filled with polyurethane foam and aluminium honeycomb", Thin-Walled Structures, Vol. 110, pp 140-154, January 2017

See:
https://www.swinburne.edu.au/science-engineering-technology/staff/profile/index.php?id=glu
https://scholar.google.com.sg/citations?user=0qQqbk8AAAAJ&hl=en
https://www.researchgate.net/profile/Guoxing_Lu

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Biography:
Guoxing Lu first joined Swinburne in 1995, after his post-doctoral research at the University of Cambridge and lecturing at the Nanyang Technological Univeristy (NTU), Singapore. He established the Impact Engineering Laboratory and became a full Professor in 2004. After a successful career at Swinburne, Professor Lu moved back to NTU as a tenured faculty member. In 2015, Professor Lu came back to Swinburne as Professor of Impact Engineering.
Professor Guoxing Lu's research interests are in impact mechanics, advanced structures and mechanical properties of novel materials. Such fundamental knowledge has a wide range of applications, which are also his interests. These include structural crashworthiness (automotive, marine, rail and aerospace structures--whether

they are metallic or composites), design of light-weight structures and materials, ballistic impact and blast loading, design of protective gears for sport impact, and design of novel structures and materials (such as origami structures, cellular and auxetic materials).
Professor Lu is an Associate Editor of the International Journal of Impact Engineering and founding Board Member of International Society of Impact Engineering. He is a member of Editorial Board of the International Journal of Mechanical Sciences. He successfully organised several international conferences such as the11th Asia-Pacific Conference on Engineering Plasticity and Its Applications (AEPA2012) and the 5th International Conference on Design and Analysis of Protective Structures (DAPS2017). He guest-edited several issues of International Journal of Impact Engineering, International Journal of Mechanics Sciences and International Journal of Protective Structures. He has published one monoraph "Energy Absorption of Structures and Materials" (2003, with Professor TX Yu) and over 200 papers in international journals.
Professor Lu was Deputy Dean of previous Faculty of Engineering and Industrial Sciences, Swinburne; and Assistant Chair (Research) in the School of Mechanical and Aerospace Engineering, NTU.
Professor Guoxing Lu studied Automotive Engineering in Jilin University, China. He was awarded a British Council Scholarship and obtained his MSc in Automotive Product Engineering from Cranfield University. He then moved to the University of Cambridge to conduct PhD on structural mechanics, under the supervision of Professor CR Calladine (FRS, FREng). After two and a half years, he submitted his PhD thesis and then worked as a post-doctoral research assistant with Professor Calladine.

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