

Professor Abdul-Ghani Olabi

The middle images above are from: A. Baroutaji, A. Arjunan, A. Niknejad, T. Tran, A.-G. Olabi, Application of Cellular Material in Crashworthiness Applications: An Overview, Ref Modul Mater Sci Mater Eng (2019)

The right-most images above are from: A. Baroutaji, A.G. Olabi, Lateral collapse of short-length sandwich tubes compressed by different indenters and exposed to external constraints, Materwiss Werksttech, 45 (2014)

See:

https://scholar.google.co.uk/citations?user=JNOFSa4AAAJ&hl=enhttps://www.researchgate.net/profile/Abdul_Ghani_Olabi

Career:

2018-present: Chair of Sustainable and Renewable Energy, University of Sharjah, United Arab Emerates 2018: School of Engineering and Applied Science, Aston University, Birmingham, UK 2013-2018: Institute for Engineering and Industrial Management, University of the West of Scotland, UK

2002-2013: School of Mechanical and Manufacturing Engineering, Dublin City University, Ireland

Selected Publications:

Morris, E., Olabi, A. G. and Hashmi, M. S. J. [2006] Analysis of nested tube type energy absorbers with different indenters and exterior constraints," Thin-Walled Structures 44(8), 872–885.

Morris E., Olabi A.G., Hashmi M.S.J.: Lateral crushing of circular and non-circular tube systems under quasistatic conditions. J. Mater. Process. Technol. **191**, 132–135 (2007)

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Olabi A.G., Morris E., Hashmi M.S.J., Gilchrist M.D.: Optimized design of nested oblong tube energy absorbers under lateral impact loading. Int. J. Impact Eng. **35**, 10–26 (2008)

Olabi A.G., Morris E., Hashmi M.S.J. et al.: Optimised design of nested circular tube energy absorbers under lateral impact loading. Int. J. Mech. Sci. **50**, 104–116 (2008)

A. Alaswad and A.G. Olabi. A numerical study of the effect of geometrical factors on bi-layered tube hydroforming, 7th European LS-DYNA Conference, Salzburg, Austria, 2009.

N.S. Rossini, M. Dassisti, K.Y. Benyounis, A.G. Olabi, Methods of measuring residual stresses in components, Materials and Design, 35 (2012) 572-588.

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Baroutaji A., Morris E., Olabi A.G.: Quasi-static response and multi-objective crashworthiness optimization of oblong tube under lateral loading. Thin Walled Struct. **82**, 262–277 (2014)

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Ahmad Baroutaji, Mustafa Sajjia and Abdul-Ghani Olabi, "On the crashworthiness performance of thin-walled energy absorbers: Recent advances and future developments", Thin-Walled Structures, Vol. 118, pp 137-163, September 2017

H. Nikkhah, A. Baroutaji, A.G. Olabi, Crashworthiness design and optimisation of windowed tubes under axial impact loading, Thin-Walled Struct, 142 (2019), pp. 132-148

A. Baroutaji, A. Arjunan, A. Niknejad, T. Tran, A.-G. Olabi, Application of Cellular Material in Crashworthiness Applications: An Overview, Ref Modul Mater Sci Mater Eng (2019)

Reza Shams, Abbas Niknejad, Abdul Ghani Olabi and Mohammad Zamani Nejad, "Quasi-static flattening energy absorption process on preformed circular tubes by numerical and experimental analyses", Article 106260, Thin-Walled Structures, Vol. 144, November 2019

Ahmad Baroutaji, Arun Arjunan, Mark Stanford, John Robinson and Abdul Ghani Olabi, "Deformation and energy absorption of additively manufactured functionally graded thickness thin-walled circular tubes under lateral crushing", Engineering Structures, Vol. 226, Article 111324 1 January 2021