



Professor Mohamed Elchalakani

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School of Civil, Environmental and Mining Engineering, Faculty of engineering, computing and mathematics
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Biography:

Elchalakani holds Ph.D. from Monash University in structural engineering. He has been a civil engineering faculty at the Higher College of Technology (HCT) since August 2007. Dr Elchalakani has published over 60 peer reviewed technical papers on these topics. He has received several awards, including the Holman Medal and the Hunt Award for excellence in Research in Engineering in Melbourne Australia in 2004. He is Included in the 7th Edition of “Marquis Who’s Who in Science and Engineering.” He is also a registered professional engineer in Australia and a Registered Building Practitioner and also Registered in the National Professional Engineer Register in both Australia and Egypt.

Selected Publications:

Mohamed Elchalakani, Xiao-Ling Zhao and Raphael Grzebieta, “A closed-form solution for elastic buckling of thin-walled unstiffened circular cylinders under pure flexure”, (publisher and date not given in the pdf file. Most recent citation is dated 2000)

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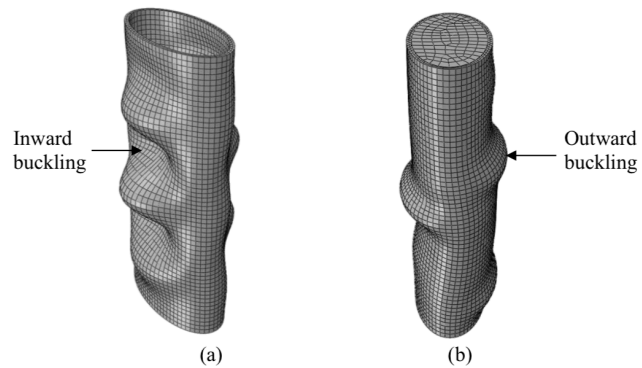


Fig. 8: Local buckling modes: (a) hollow elliptical steel short column; (b) elliptical CFST short column

From: M.F. Hassanein, V.I. Patel, A.M. El Hadidy, H. Al Abadi and Mohamed Elchalakani, “Structural behaviour and design of elliptical high-strength concrete-filled steel tubular short compression members”, Engineering Structures, Vol. 173, pp 495-511, 15 October 2018

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