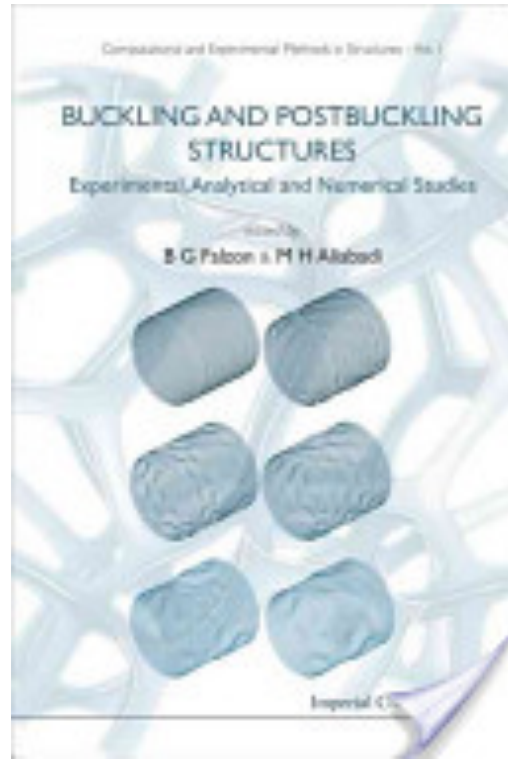




**Professor Brian G. Falzon**



B. G. Falzon and M. H. Aliabadi (editors), Buckling and postbuckling structures, Imperial College Press, 2008, 504 pages

See:

<http://users.monash.edu.au/~bfalzon/>

<http://www3.imperial.ac.uk/people/b.falzon>

<http://brianfalzon.blogspot.com/>

<http://www.blogger.com/profile/18059603963247812978>

<http://journalogy.net/Author/13193434/brian-g-falzon>

<http://www.worldcat.org/identities/lccn-nb2008-17577>

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### **Biography:**

Dr Brian G. Falzon obtained his Bachelor of Science in Physics and Pure Mathematics, Bachelor of Engineering and PhD in Aeronautical Engineering from the University of Sydney. Upon completing his PhD in the area of structural stability, Dr Falzon worked as a postdoctoral researcher at the Finite Element Analysis Research Centre at the University of Sydney where he was involved in the development of algorithms for the structural optimisation of composite structures. In 1996 Dr Falzon took up the post of Research Associate in the Department of Aeronautics at Imperial College London and over the next four years worked on research projects sponsored by the Ministry of Defence, BAESYSTEMS and Airbus UK. In 2000 he was appointed

Lecturer in Advanced Aerostructures, Senior Lecturer in 2005 and Reader in 2007. Besides his lecturing commitments, Dr Falzon has continued to develop his research interests which include the development of robust numerical finite-element algorithms for predicting the response of highly non-linear composite structures, fracture mechanics and damage in composites, structural optimisation using heuristic methods, the dynamic response of composite structures to impact loading, structural testing, the development of virtual testing environments and more recently, the design of medical implants and modelling biomechanical systems. He is currently involved in research funded by the EPSRC, DSTL, QINETIQ, BAESYSTEMS, DTI and Veryan Medical Limited. Dr Falzon is the author of two books, has contributed chapters in others, published numerous journal and international conference papers and owner of two patents. He is a Chartered Engineer, a member of a number of professional organisations and scientific committees including membership of the EPSRC Peer Review College. In 2005 he was elected Chairman of a GARTEUR (Group of Aeronautical Research and Technology in Europe) action group which brings together the top academic institutions and industrial organisations to address the research needs of the aerospace industry. Dr Falzon is also a London Technology Network Business Fellow alumni and co-founder of Veryan Medical Limited. He is on the editorial board of the Applied Composites Material Journal and World Scientific Press, a consultant to industry and has received numerous awards and lecture invitations.

In 2008 Prof Falzon took up the Chair of Aerospace Engineering in the Department of Mechanical and Aerospace Engineering at Monash University. Prof Falzon's research interests include the development of robust finite-element algorithms for predicting the response of highly non-linear structures, fracture mechanics and damage in composites, structural optimisation, the dynamic response of composite structures to impact loading, structural testing, the development of virtual testing environments and more recently, the design of medical implants and modelling biomechanical systems. Prof Falzon is currently establishing an Advanced Aerostructures Research Laboratory for the manufacturing and testing of composite structures.

He is a Chartered Engineer and a member of a number of professional organisations and scientific committees. Prof Falzon is on the editorial board of the Applied Composites Material Journal and World Scientific Press and member of the board of directors of the Australian Association of Aviation and Aerospace Industries. He has received numerous awards, most recently the 2007 Silver Award and George Taylor prize from the Royal Aeronautical Society and a 2008 Future Summit Australian Leadership Award.

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