

Prof Brian G. Falzon Biographic

Prof 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, investigating the postbuckling response of stiffened composite structures, Prof 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 Prof 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 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 (Associate Professor) in 2007.

Prof Falzon's research interests include the development of robust finite-element algorithms for predicting the response of geometrically non-linear 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.

Prof Falzon is the author of two books, has contributed chapters in others and published numerous journal and international conference papers. He is a Chartered Engineer, a member of a number of professional organisations and scientific committees including 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 brought together the top academic institutions and industrial organisations to address the research needs of the aerospace industry.

Prof Falzon is also a London Technology Network Business Fellow alumni and co-founder of Veryan Medical Limited which is developing a number of implantable devices including a new endovascular stent for which Prof Falzon holds two patents. 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.