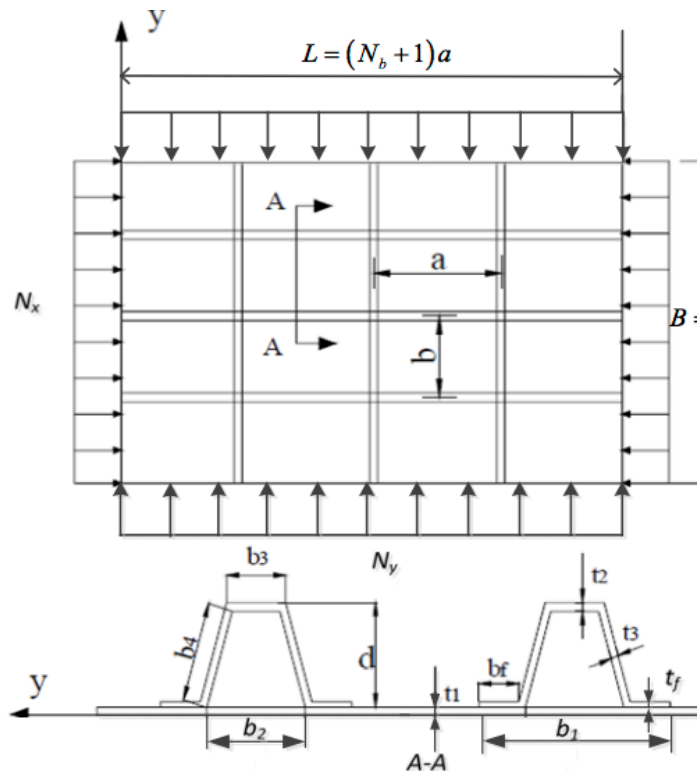




**Professor Ramanand Ajit Shenoï**



**Fig. 1 Tophat stiffened panel configuration.**

From: Xiaoguang Xue, Guoxi Li, Adam James Sobey and Ramanand Ajit Shenoï, "The application of reliability based optimization of tophat stiffened composite panels subject to bi-directional buckling loads", Journal of Materials Science and Engineering B, Vol. 3, No. 11, pp 721-733, 2013

See:

<http://www.southampton.ac.uk/engineering/about/staff/ajit.page>

<http://noc.ac.uk/about-us/noc-advisory-council/advisory-council-members/professor-ajit-shenoï>

<http://hybridmarine-power.com/presenter-spotlight-next-gen/professor-r-ajit-shenoï/32/>

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Engineering and the Environment  
University of Southampton, UK

### Biography:

Professor R Ajit Shenoï is Director, Southampton Marine and Maritime Institute and the Lloyd's Register / Royal Academy of Engineering Professor of Lightweight Structures within Engineering and the Environment at the University of Southampton.

Professor Ajit Shenoï graduated in 1974 with a degree in naval architecture from the Indian Institute of Technology, Kharagpur. Between 1974 and 1978 he worked successively in Mazagon Docks Bombay and Arya National Shipping Lines, Tehran before returning to academe, to the University of Strathclyde, Glasgow from where he obtained his doctorate in 1981. Since then he has been at the University of Southampton as Lecturer, Senior Lecturer, Reader and, now, Professor. He is a Chartered Engineer, being a Fellow of both the Institution of Mechanical Engineers and the Royal Institution of Naval Architects.

Professor Shenoi's research interests are mainly in the mechanics of lightweight composite structures with potential applications in civil construction, marine and transportation sectors; he has also worked on ship systems design. He has supervised 39 PhD/EngD and 5 MPhil candidates to successful outcomes and published 15 books and over 300 papers in archival journals and proceedings of refereed conferences. He is the Founding Editor-in-Chief of the Journal of Engineering for the Maritime Environment (Proceedings of the Institution of Mechanical Engineers, Part M) and also serves on the Editorial Boards of several international journals in applied mechanics, naval architecture and ocean engineering.

He won the David Cargill Prize by the Institute of Petroleum (Scotland) in 1981 and the Bronze Medal by the Royal Institution of Naval Architects in 1998. He was awarded the Royal Academy of Engineering Industry Fellowship (1996-97) and the Royal Society Industry Fellowship (1998-2000). He has held the Royal Academy of Engineering Research Professorship from 2003. He was Guest Lecturer/Professor in Materials Science at Surrey University (1994-2000), Guest Professor in Civil and Structural Engineering at Surrey University (2002-2006), Visiting Professor in Marine Technology at Delft University of Technology (1997-2001), Visiting Professor in Composite Structures for Ocean Space Systems at Yokohama National University (2010-2011), a Scholar in Residence in Ship Technology at Cochin University of Science and Technology under India's Kerala State Government's Erudite Scheme (2011) and the Michael Fam Visiting Professor in Naval Architecture at the Nanyang Technological University in Singapore (2012-13).

#### **Research Interests:**

mechanics of composite materials; design of lightweight structures; concurrent engineering; structural health monitoring; fluid-structure interaction

#### **Selected Publications:**

##### **Book:**

C. Guedes Soares and R.A. Shenoi (editors), Analysis and Design of Marine Structures V, CRC Press, Mar 2, 2015 - Technology & Engineering, 800 pages

##### **Journal Articles:**

H.G. Allen and R.A. Shenoi, "Flexural fatigue tests on sandwich structures", Second International Conference on Sandwich Construction, March 9-12, University of Florida, Gainesville, Florida, 1992

Moy, S. S. J., Shenoi, R. A. & Allen, H. G. 1996. Strength and Stiffness of Fibre-Reinforced Plastic Plates. Proceedings of the Institution of Civil Engineers - Structures and Buildings, 116, 202-220.

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