

Roger I. Basu is a structural engineer with over thirty years experience. His early experience was in the structural design and analysis of offshore structures, bridges and buildings. For the last twenty years his focus has been exclusively on ship and offshore structures. His experience in more specialist areas includes fatigue, fracture and vibration analysis, and risk and reliability methods.

Prior to joining the American Bureau of Shipping (ABS) in 1997 he was employed for 10 years at a naval architectural firm in Ottawa, Canada where he worked on a variety of structural design tasks on naval and other ships and led the company's noise, vibration, shock and blast group. Roger participated in a number of Ship Structure Committee projects including one as principal investigator and another as Chairman of the Project Technical Committee. At ABS he was formerly Manager of the Advanced Analysis Department and is currently Director of Research & Product Development where he is responsible for applied research in support of the development of tools and technologies for the assessment of ship and offshore structures. Roger is active in various international organizations including as Chairman of the Standing Committee of PRADS 2007 and as a member of the International Advisory Committee of OMAE.

Roger has published or presented about 40 technical papers. He holds a Ph.D. in structural engineering from the University of Western Ontario, London, Canada.