

*International Advisor – Dr. John Holmes (also acting as the key person responsible for quality assurance of the wind tunnel testing)*

J.D. HOLMES

Dr. John Holmes is Director, JDH Consulting, Australia. He was previously a Senior Lecturer at James Cook University, Townsville for seven years, at CSIRO, Divisions of Building Research, and Building, Construction and Engineering for fourteen years (reaching the level of Chief Research Scientist), and a Principal Research Fellow at Monash University for five years (all in Australia). In 1989, 2001, 2002 and 2005, respectively, he was a Visiting Professor at Texas Tech University, Louisiana State University, University of Western Ontario, Canada, and Texas Tech University (again). In 2003 and 2004 he was John P. Laborde Visiting Professor at Louisiana State University, Baton Rouge, Louisiana, U.S.A., where he studied the mechanics and aerodynamics of windborne debris in hurricanes.

He has been engaged in research, testing and consulting in wind loads and wind effects for more than 30 years. He was actively involved in the writing of Australian Standards AS1170.2-1989, AS/NZS1170.2:2002 (Wind loads) and AS3995-1994 (Design of steel lattice towers and masts), and is currently Chair of Sub-Committee BD006-02 of Standards Australia, responsible for the Australia/New Zealand Wind Actions Standard. He is the author or co-author of some 300 journal papers, conference presentations, and research and consulting reports. He is the author of: “*Wind Loading of Structures*”, published by Spon Press of London in 2001, with the second edition published by Taylor and Francis in 2007, and “*A Guide to AS/NZS1170.2:2002 – Wind Actions*” published by Warren Publishing in 2005. He is a Editor-in-Chief of ‘*Wind and Structures*’, an international journal published by Techno Press, Korea.

He has been a consultant for, or carried out collaborative research with, many companies or organisations. He was awarded a Fulbright Senior Fellowship to the United States in 1989, the Warren Medal by the Institution of Engineers in 1990, and a Senior Fellowship by the Japan Society for Promotion of Science in 1996. He is a Fellow of the Institution of Engineers, Australia, a Life Member of the Australasian Wind Engineering Society, a member of the American Association for Wind Engineering, an advisor to the Engineering Sciences Data Unit of London, U.K. and to the Technical Committee on Wind Loading of Malaysia. He was a consultant for the United Nations Development Program in India in 1994 and 1995, and has represented Australia at nine APEC Structural Loading and Wind Loading Workshops between 1996 and 2006.

He has also been involved in the determination of design wind loads for many major structures including : West Gate Bridge, Melbourne; Citycorp Building, New York; Stadium Australia, Sydney; My Thuan Bridge, Vietnam; Docklands Stadium, Melbourne; Baram Bridge, Malaysia; Macau Tower, China; Wembley Stadium, London; Chevron Redevelopment, Gold Coast, Australia; Woodside offshore platforms, Mauritania, West Africa; Woodside LNG Plant, Western Australia.