

Dr. J. Peter C. King
Alan G. Davenport Wind Engineering Group
Boundary Layer Wind Tunnel Laboratory



Year of Joining Laboratory: 1979
Profession: Civil/Structural Engineering, P.Eng.
Position: Director & Chair, Board of Directors

RELEVANT EXPERIENCE

Ontario Ministry of Transportation and Communications 1973-1975
Boundary Layer Wind Tunnel Laboratory 1979-present

Since 1979, Dr. Peter King has been the project director or principal engineer for more than eighty different aerodynamic studies for long span bridges at the Laboratory. He has also acted in a consulting capacity, both in the area of wind tunnel design and in the aerodynamics, modelling and testing of cable-stayed bridges. Dr. King has also acted as the Peer Reviewer for a number of aerodynamic studies of long span bridges. He also continues to serve on the Loads and Load Factor and Calibration Committees for the CSA-S6 Canadian Highway Bridge Design Code.

EDUCATIONAL AND PROFESSIONAL STATUS

BESc, Civil Engineering, The University of Western Ontario, 1973
MESC, Civil Engineering, The University of Western Ontario, 1978
PhD, Civil Engineering, The University of Western Ontario, 2003
Member, Professional Engineers of Ontario, 1975
Fellow, Canadian Society for Civil Engineering
Member, American Association for Wind Engineering

EXPERIENCE RECORD - Boundary Layer Wind Tunnel Laboratory, 1981-present **Bridge Aerodynamic Studies (selected projects)**

Shenzhen Western Crossing, Hong Kong, PRC	Pereira-Dosquebradas Viaduct, Columbia
Prospect Verona Bridge, Maine	Miho Museum Bridge, Japan
Stonecutters Bridge, Hong Kong	Dee Estuary Crossing, Wales, U.K.
Busan Geoje Grand Bridge, Busan Korea	Seo Hae Grand Bridge, Asan Bay, Korea
Indian River Inlet Bridge, Delaware	Natchez Trace Parkway Arches, Nashville, Tennessee
Missouri River Pedestrian Bridge, Omaha, Nebraska	Chesapeake & Delaware Canal Br. – Steel/Conc. Alt, Del.
Msikaba Bridge, South Africa	Clark Bridge – Steel & Concrete Alt, Alton, Illinois
The Great Wharf Bridge, London, UK	Helgelands Bridge, Sandnessjøen, Norway
The Tsing Lung Bridge, Hong Kong	Askoy Bridge, Bergen, Norway
The Maumee River Bridge, Toledo, Ohio	Paso del Alamillo Bridge, Sevilla, Spain
The Baltic Millennium Bridge, Gateshead, U.K.	Storebaelt (East) Bridge, Denmark
The Sungai Johor Bridge, Malaysia	Johnston's Bay - Glebe Island Bridge, Sydney, Aust.
The Pasteur-Cikapayang-Surapati Bridge, Indonesia	Viaduct sur L'Isere, Grenoble, France
The Bronx-Whitestone Bridge (Rehabilitation), NY	Baytown Bridge - Concrete Alternate, Houston, Texas
Tsing Ma Bridge, Hong Kong	Gjemnessundet Bridge, Kristiansund, Norway
The A.L. Macdonald Bridge, Halifax, Canada	Cochrane Bridge Steel & Concrete Alt, Mobile, Alabama
Ting Kau Bridge, Hong Kong	Neches River Bridge - Concrete Alt, Port Arthur, Texas
Kwang Ahn Grand Bridge, Pusan, Korea	Weirton Steubenville Bridge, Weirton, West Virginia
Elche Bridge, Elche, Spain	James River Bridge - Concrete Alt., Richmond, Virginia
Tsing Ma Bridge (Deck Erection), Hong Kong	Sunshine Skyway Br. - Concrete & Steel Alt., Tampa, FL
Confederation Bridge, PEI, Canada	The A. Murray MacKay Bridge, Halifax, Nova Scotia