

**Dr. Gregory A. Kopp**  
**Alan G. Davenport Wind Engineering Group**  
**Boundary Layer Wind Tunnel Laboratory**



Year of Joining Laboratory: 1997  
Profession: Mechanical Engineer, P.Eng.  
Position: Director

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## **RELEVANT EXPERIENCE**

Boundary Layer Wind Tunnel Laboratory, 1997-present

Dr. Gregory Kopp has almost 20 years experience in the field of aerodynamics, particularly in wind tunnel testing of bluff-bodies such as bridges and low-rise buildings. He has recently been involved in the wind tunnel testing of the Tsing Lung Bridge, Hong Kong and Bronx-Whitestone Bridge, New York, as well as David L. Lawrence Convention Center, Pittsburgh, the NIST aerodynamic database and various other projects. He has led the Laboratory's development of full-scale panel testing using novel Pressure Loading Actuators which can replicate full-scale pressure time histories for extreme wind speeds. Dr. Kopp was recently appointed as Director at the Boundary Layer Wind Tunnel Laboratory. He has written more than 40 papers on various aspects of bluff-body aerodynamics and wind loads on low buildings.

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## **EDUCATIONAL AND PROFESSIONAL STATUS**

BSc, Mechanical Engineering, The University of Manitoba, 1989  
MEng, Mechanical Engineering, McMaster University, 1991  
PhD, Mechanical Engineering, The University of Toronto, 1995  
Member, Professional Engineers of Ontario, 1999  
Member, American Society of Mechanical Engineers  
Member, American Society of Civil Engineers

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## **EXPERIENCE RECORD - Boundary Layer Wind Tunnel Laboratory, 1997-present** **Wind Engineering Studies (selected projects)**

### **Buildings**

David L. Lawrence Convention Center, Pittsburgh  
City Garden Hotel Extension, Hong Kong  
Diplomat Condominium, Hollywood, Florida  
Diplomat Banquet Hall and Condominium,  
Hollywood, Florida  
Diplomat Hotel, Hollywood, Florida  
Centro Empresarial Nações Unidas (CENU) East  
Tower

### **Bridges**

Tsing-Lung Bridge, Hong Kong  
Bronx-Whitestone Bridge, New York

### **Other Studies**

Wind loads on parapets  
Effects of parapets on structural loads  
Interpolation of pressure time series with neural  
networks  
Acoustic studies  
Roof uplift forces  
Three Little Pigs Project – Wind Load Testing on Full  
Scaling Housing  
Wind loads on solar panels and other roof top  
equipment  
NIST aerodynamic database  
The Golden Boy statue, Winnipeg  
Augusta National Golf Course, Augusta, Georgia