

Random House, New York City, NY
One Wall Centre, Vancouver, BC
Petronas Towers Skybridge, Kuala Lumpur, Malaysia

1991 - 1994 M.E.Sc. Structural Engineering, University of Western Ontario, London, ON

Advisor: Dr. Nick Isyumov
Topic: *Improved Estimates of Structural Damping from Wind Induced Vibrations*

1992 - 1993 Sole Proprietor - Breukelman Design/Build, London, ON

1987 - 1991 B.E.Sc. in Civil Engineering, University of Western Ontario, London, ON

Awards

2003 ENR's 25 Newsmakers of the Year - McGraw-Hill Construction Award

2002 Canadian Consulting Engineering Awards, Award of Excellence: One Wall Centre, Vancouver

1991 Dr. James A. Vance Gold Medal, University of Western Ontario

1991 Civil Engineering Achievement Award, University of Western Ontario

1989 Frederick Weijerman Memorial Award, University of Western Ontario

Publications

Breukelman, B., (2004) *Challenging Vibration in Engineered Structures*, North American Steel Construction Conference, Long Beach, CA

Myslimaj, B., S. Gamble, D. Chin-Quee, A. Davies, B. Breukelman, (2003) *Base isolation technologies for seismic protection of museum artifacts*, IAMFA Annual Conference in San Francisco, CA

Haskett, T., B. Breukelman, J. Robinson, J. Kottelenberg, (2003) *Tuned Mass Dampers under Excessive Structural Excitation*, Extreme Loading Conference, Toronto, ON

Jamal, Ir. Mohamad A., B. Breukelman, (2003) *Petronas Towers: Skybridge Engineering, Construction and Monitoring*, ASCE Structures Congress, Seattle, WA

Breukelman, B., S. Gamble, J. Kottelenberg, T. Haskett, (2002) *Footbridge Damping Systems: A Case Study*, Footbridge 2002 Conference, Paris, France

Breukelman, B., T. Haskett, S. Gamble, P. Irwin, (2001) *Analysis and Model Techniques for Determining Dynamic Behaviour of Civil Structures with Various Damping Systems*, 6th World Congress of the Council on Tall Buildings and Urban Habitat, Melbourne, Australia.

Irwin, P., B. Breukelman, (2001) *Recent Applications of Damping Systems for Wind Response*, 6th World Congress of the Council on Tall Buildings and Urban Habitat, Melbourne, Australia.

Stefanos, C., B. Scanlon, B. Breukelman, (2000) *Design of structure and Damping System to Control Motions of the Park Tower*, Chicago, 2000 Structures Congress, Philadelphia, PA

Breukelman, B., P. Irwin, M. Sacks, (2000) *Application of Water Column Dampers to Control Motions of the Wall Centre, Vancouver*, 2000 Structures Congress, Philadelphia, PA

Irwin, P.A., B. Breukelman, C. Williams, M. Hunter, (1998) *Shaping and Orienting Tall Buildings for Wind*, 1st World Structures Congress, San Francisco, CA.

Breukelman, B., P.A. Irwin, S. Gamble, G. Stone, (1998) *The Practical Application of Vibration Absorbers in Controlling Wind Serviceability and Fatigue Problems*, 1st World Structures Congress, San Francisco, CA.

Isyumov, N., B.Breukelman, A.A.Fediw, P.Montpellier, (1995) *Influence of a Tuned Sloshing Water Damper on the Wind-Induced Response of a Tall Office Tower*, ASCE Structures Congress XIII, Boston, MA.

Breukelman, B., (1994), *Improved Estimates of Structural Damping From Wind Induced Vibrations*, M.E.Sc. Thesis, University of Western Ontario.

Breukelman, B., N.Isyumov, (1993), *Estimates of Damping and Stiffness for Tall Buildings*, 7th U.S. National Conference on Wind Engineering, Los Angeles, CA.

Fediw, A.A., B.Breukelman, D.P.Morrish, N.Isyumov, (1993), *Effectiveness of a Tuned Sloshing Water Damper to Reduce the Wind-Induced Response of Tall Buildings*, 7th U.S. National Conference on Wind Engineering, Los Angeles, CA.

Fediw, A.A., N.Isyumov, D.P.Morrish, B.Breukelman, (1992), *Dynamic Behaviour of a Tall Reinforced Concrete Building*, ASCE Structures Congress X, San Antonio, TX.