

Biography:

Dr. Murray Morrison is a Senior Research Engineer at the Insurance Institute for Business & Home Safety. His primary research activities include evaluating the performance of residential and commercial building components to high wind loads. Murray joined IBHS in 2011 after being a visiting research at the IBHS Research Center, where he was responsible for the validation of the facilities full scale wind tunnel capability IBHS. His areas of expertise include wind tunnel measurements and techniques, boundary layer turbulence, wind induced loads on structures and full scale structural testing. Dr. Morrison has over 10 years of full scale structural and wind tunnel testing and has worked on numerous research and industrial contracts involving wind loads on full structures and cladding elements at the Boundary Layer Wind tunnel at The University of Western Ontario. He also worked as a technology coordinator at the Insurance Research Lab for Better Homes where he continued development and implementation of the laboratory's multi-million dollar pressure loading system, instrumentation designed to test building systems and components to high wind loads.

Dr. Morrison is a member of the American Society of Mechanical Engineers, the Architectural Institute of Japan and chairs the American Society of Civil Engineering environment wind engineering committee. He also serves on the board of the American Association for Wind Engineering.

Dr. Morrison earned his doctorate from the University of Western Ontario in the Department of Civil and Environmental Engineering, focusing on the failures of residential wood frame structures when subjected to full-scale realistic wind loading. This research has led him to participate in damage surveys in partnership with Environment Canada following severe thunderstorm wind events in Southwest Ontario. Dr. Morrison also earned his master's in mechanical and materials engineering from the University of Western Ontario, focusing on turbulence and bluff body aerodynamics.