

## **BIOGRAPHICAL SKETCH – BRIAN O’NEILL**

### **PROFESSIONAL PREPARATION**

Bath University of Technology, Bath, England .B.Sc. in mathematics and statistics, 1965

### **AWARDS**

Airbag Award 2006, Fraunhofer Institut Chemische Technologie, Germany 2006

Society of Automotive Engineers Career Achievement Award, 2005

Washington Automotive Press Association Golden Gear Award for Outstanding Achievements in Vehicle Safety, 2005

National Highway Traffic Safety Administration Award for Outstanding Achievements, 2006

Arnold Siegel International Transportation Safety Award, Society of Automotive Engineers, 2005

National Highway Traffic Safety Administration Special Award of Appreciation, 2004

Association for the Advancement of Automotive Medicine Award of Merit, 1998

American Public Health Association, Public Service Award, 1997

### **PROFESSIONAL EXPERIENCE**

#### **2006 – Present**

Mr. O’Neill is serving as a technical advisor to the “Wall of Wind” project at the International Hurricane Research Center, Florida International University, Miami, Florida. The project objectives are to develop a wind tunnel capable of exposing full scale houses to hurricane force winds, and assess alternative new home and retrofit designs for their ability to minimize storm damage.

He is also serving on the Advisory Committee for the Centro Zaragoza Instituto de Investigación Sobre Reparation de Vehiculos, Zaragoza, Spain.

#### **1969 - 2005: Insurance Institute for Highway Safety and Highway Loss Data Institute, Arlington, VA**

Mr. O’Neill retired at the end of 2005 after being President of both organizations for more than 20 years. The Insurance Institute for Highway Safety (IIHS) is a research and communications organization that identifies and develops ways to reduce vehicle crash losses. The Highway Loss Data Institute (HLDI) gathers, processes, and publishes information on the injury and other insurance claims experience of various types of motor vehicles

### **PUBLICATIONS MOST RELATED TO THIS PROJECT**

**Working with the Media to Promote Safer Roads and Vehicles.** Proceedings of the Road Safety Research, Policing, and Education Conference, Perth, Australia, November 2004.

**Protecting Cars from Utility Vehicles: Clues from Real-World Data and Crash Tests.** With A.K. Lund, J.M. Nolan, and J.F.Chapline. TR News, Transportation Research Board. January-February 2001.

**Reducing Injury Losses: What Private Insurers Can and Cannot Do.** Proceedings of the 5<sup>th</sup> World Conference on Injury Prevention and Control, New Delhi, India, March 2000.

**Lower Extremity Injury Causation in Frontal Crashes.** With C. Sherwood, S. Hurwitz. Proceedings of the 1999 IRCOBI Conference on the Biomechanics of Impact. International Research Council on the Biomechanics of Impact. Bron, France. September 1999.

**Highway Safety Progress: Government Action and Consumer Prodding.** In *Encyclopedia of the Consumer Movement*. (Stephen Brobeck editor). Washington, DC: Consumer Federation of America, 1997.

**New Vehicle Crashworthiness Evaluations by the Insurance Institute for Highway Safety.** With A. Lund, D. Zuby, C. Estep. Proceedings of Fifteenth International Technical Conference on the Enhanced Safety of Vehicles, Washington DC, U.S. Department of Transportation, 1996.

**Relationships between Computed Delta V and Impact Speeds for Offset Crash Tests.** With C.A. Preuss, J. Nolan. Proceedings of Fifteen International Technical Conference on the Enhanced Safety of Vehicles. U.S. Department of Transportation, Washington DC. 1996.

**Offset Frontal Impacts -- A Comparison of Real-World Crashes with Laboratory Tests.** Proceedings of the 14th International Technical Conference on the Enhanced Safety of Vehicles. U.S. Department of Transportation, Washington, DC. 1994.

## **SIGNIFICANT OTHER PUBLICATIONS**

**Use and Misuse of Motor Vehicle Crash Rates in Assessing Highway Safety Performance.** With S. Kyrychenko. In press, *Traffic Injury Prevention*, 2006

**Crash Incompatibilities between Cars and Light Trucks: Issues and Potential Countermeasure.** With S. Kyrychenko. Society of Automotive Engineers 2004 World Congress, Detroit, MI. SAE Technical paper series 2004-01-1166, March 2004

**Crash Compatibility Issues for Passenger Vehicles in the United States.** Proceedings of Crash-Tech 2000 Conference, Munich, Germany. TÜV Automotive GmbH. May 2000.

**Crash Compatibility Issue in Perspective.** With A. K. Lund, J. M. Nolan, J.F. Chapline. Society of Automotive Engineers World Congress, Detroit, MI. SAE Paper series 2000-01-1378. March 2000.

**Head Restraints – The Neglected Countermeasure.** Accident Analysis and Prevention Special Issue: Whiplash. 32:143-50. Also published in *A Compendium of Papers Presented at the World Congress on Whiplash-Associated Disorders*, Physical Medicine Research Foundation. Vancouver, BC, Canada. May 1999.

**The Physics of Car Crashes and the Role of Vehicle Size and Weight.** *Physical Medicine and Rehabilitation: State of the Art Reviews*, 12:23-28. 1998.

**The Injury Fact Book: Second Edition.** With S. Baker and R. Karpf. Lexington, MA: D.C. Heath and Company. 1992.

**Motor Vehicle Injury Prevention.** Proceedings of the Third International Injury Control Conference: Setting the National Agenda for Injury Control in the 1990s. Atlanta: U.S. Department of Health and Human Services, Center for Disease Control, 1991.