

SAAD (SID) A. NASSAR, Ph.D., P.Eng.

WALTERS FORENSIC ENGINEERING INC.

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SPECIALIZED PROFESSIONAL COMPETENCE

- . Transportation Safety
- . Motor Vehicle Accident Reconstruction
- . Accident Scene and Vehicle Examination
- . Motor Vehicle Accident Simulation (PC-CRASH; HVE-2D)
- . 3D Scientific Animation (3D Studio Max)
- . Road Design Assessment
- . Structural Failure Analysis

ACADEMIC BACKGROUND

- . Ph.D. in Civil Engineering (Transportation), University of Waterloo, Waterloo, Ontario, May 1996.
- . M.A.Sc. Civil Engineering (Transportation), University of Waterloo, Waterloo, Ontario, May 1992.
- . B.Sc. in Civil Engineering, University of Arizona, U.S.A., May 1984.

ADDITIONAL COURSES & SEMINARS

- . "Weather and Climate in Road Safety and Winter Road Maintenance" webinar, Transportation Association of Canada, 2016.
- . PC-Crash ONLINE – Collision Model (Theory), April 11, 2013.
- . PC-Crash ONLINE – Tractor-Trailers (Expert), April 9, 2013.
- . PC-Crash ONLINE – Scenes (Expert), March 6, 2013.
- . PC-Crash ONLINE – New Features in PC-Crash 9.1 (Essentials), February 12, 2013.
- . Crash Data Retrieval System, Operator's Certification Course. Download, analysis and interpretation of airbag module stored data for GM and Ford Vehicles. Collision Safety Institute – Vetronix Corporation Certificate. Toronto, May 16-18, 2005.
- . SAE International Courses and Exposition, Detroit, Michigan, February 1998.
- . IPTM, Motorcycle Accident Investigation, University of North Florida, September 1997.
- . SAE International Courses and Exposition, Detroit, Michigan, February 1997.
- . EDC Reconstruction (EDCRASH), University of Miami, October 1996.
- . IPTM, Traffic Accident Reconstruction, University of North Florida, October 1996.
- . Annual Meeting of the Transportation Research Board, Washington, D.C., January 1993.
- . Bridge Design, Technical University of Nova Scotia, Winter 1990.

- . Pavement Design, Technical University of Nova Scotia, Fall 1989.

EMPLOYMENT BACKGROUND

Walters Forensic Engineering

Consulting Engineer, 1996 to Present.

University of Waterloo (Waterloo)

Research Assistant, Department of Civil Engineering, January 1993 - April 1996.

University of Waterloo (Waterloo)

Transportation Risk Assessment, Institute for Risk Research, December 1993 - April 1994.

University of Waterloo (Waterloo)

Research Assistant, Department of Civil Engineering, January 1991 - April 1992.

Whitman Benn and Associates Limited (Halifax)

Construction Site Engineer, December 1988 - August 1989.

PROFESSIONAL SOCIETIES

- . Member of the Professional Engineers of Ontario (PEO).
- . Associate Member of the Institute of Transportation Engineers (ITE).
- . Member of the Society of Automotive Engineers (SAE).
- . Member of the Canadian Society of Forensic Science (CSFS).
- . Member of the Institute for Risk Research (IRR) – University of Waterloo.

LECTURES AND COMMITTEES

- . S.A. Nassar, J.H. Shortreed, "Personal Injury Severity in Road Accidents", Annual Meeting of the Transportation Research Board, January 1993, Washington, D.C.
- . S.A. Nassar, "Road Accident Analysis", Annual Conference of the Highway Safety Research Grants Program, Ministry of Transportation of Ontario, Toronto, May 1992.

PAPERS AND ARTICLES

Refereed Journal Publications

- . F.F. Saccomanno, K.C. Chong and S.A. Nassar, "Establishing a GIS Platform for Road Accident Risk Modelling", *Transportation Research Record*, 1997.
- . F.F. Saccomanno, S.A. Nassar and J.H. Shortreed, "Reliability of Statistical Road Accident Injury Severity Models", *Transportation Research Record*, 1542, 14-23, 1996.
- . F.F. Saccomanno and S.A. Nassar, "Assessing the Statistical Reliability of Personal Injury Road Accident Models", *International Vehicle Design Journal* (Invited paper for Special Issue), 1996.
- . S.A. Nassar, F.F. Saccomanno and J.H. Shortreed, "Selection of Model Structure

for Road Accident Severity", *Canadian Journal of Civil Engineering*, Vol 22, No. 5, 1995.

- . S.A. Nassar, F.F. Saccomanno and J.H. Shortreed, "Road Accident Severity Analysis: A Micro Level Approach", *Canadian Journal of Civil Engineering*, Vol 21, No. 5, 1994.
- . S.A. Nassar, F.F. Saccomanno and J.H. Shortreed, "Disaggregate Analysis of Road Accident Severity", *International Journal of Impact Engineering*, Vol 15, No. 6, 1994.

Refereed Conference Proceedings - (Full Paper Review)

- . J.H. Shortreed, S. Ramsay, F.F. Saccomanno, M. Hilbert and S.A. Nassar, "Risk Assessment of Waste Transport to Swan Hills, Alberta Treatment Plant", *Annual Conference of the Society of Risk Analysis, European Section*, Gilford, England, June 1996.
- . S.A. Nassar, F.F. Saccomanno and J.H. Shortreed, "Statistical Concerns in the Analysis of Road Accident Severity", *Proceedings of the Canadian Society for Civil Engineering Annual Meeting*, Winnipeg, Manitoba, June 1994. Vol I, pp. 546-556.

Conference Papers (Abstract Review)

- . S.A. Nassar, F.F. Saccomanno J.H. Shortreed, "Reliability of Road Accident Prediction Models", *Invited paper ORSA/TIMS Annual Meeting*, October, 1994.
- . S.A. Nassar, F.F. Saccomanno J.H. Shortreed, "Disaggregate Model of Road Accident Severities", Paper presented at the *4th International Conference on Structural Failure, Product Liability and Technical Insurance*, Technical University of Vienna, Vienna, Austria, July 6-9, 1992.

Major Technical Reports

- . J.H. Shortreed (et al). "Transportation Risk Assessment for the Alberta Special Waste Treatment Centre", Report to *National Resources Conservation Board of Alberta*, Institute for Risk Research, University of Waterloo, March 1994, 150 pages.

Articles

- . S.A. Nassar, F.F. Saccomanno and J.H. Shortreed. "Seat Belts Always Protect", *News Release*, October 1991. Institute for Risk Research, University of Waterloo.
- . S.A. Nassar, "The Effectiveness of Seat Belts in Road Accidents", *Without Prejudice*, Vol. 62, No. 8, April 1998.

COURT APPEARANCES

Have been qualified as an expert witness, and have given evidence as an expert in accident reconstruction in the Ontario Superior Court of Justice and the Ontario Provincial Court of Justice.