

CURRICULUM VITAE

ZYGMUNT MARTIN GORSKI
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DATE OF BIRTH

January 26, 1955

EMPLOYMENT BACKGROUND

- Gorski Consulting**, (London, Ontario), Accident Reconstruction Consultant, June 1995 - Present. **Duties:** Owner of small business, Gorski Consulting. Specializing in accident reconstruction, computer simulation of motor vehicle accidents and assessments of occupant injury. Assessments of general accident reconstruction issues. Preparation of expert reports to insurance and legal clients. Provision of expert testimony in court.

- Walters Consulting Corporation**, (Kitchener-Toronto, Ontario), Accident Reconstruction Consultant, June 1990 - May 1995. **Duties:** Accident Reconstruction Consultant for forensic engineering firm. Examination, review and analysis of motor vehicle accidents to establish grounds for liability assessment, determination of how occupants sustained their injuries, determination of injury fraud, establishment of collision severity and vehicle speeds. Assessments of seat-belt effectiveness. Assessments of visibility and perception/reaction. Assessments of roadway maintenance and safety defects. Assessment of general accident reconstruction issues. Preparation of expert reports, provision of expert testimony in court. Involved in approximately 250 cases, lead consultant in about 170 of those cases. Clients included all major insurance firms in Ontario. Also a small number of clients in other parts of Canada and U.S.

- University of Western Ontario Multi-Disciplinary Accident Research Team**, Faculty of Engineering Science, London, Ontario, Accident Investigator, October, 1980 - June, 1990. **Duties:** Conducting various research studies into mechanisms of occupant injury as part of contractual assignments from Transport Canada. Examinations of vehicles, collision sites, interview of vehicle occupants,

EMPLOYMENT BACKGROUND (Cont'd)

gathering of police and medical information. Analysis of photographs, drawings, data and other sources to establish how injury was caused. Use of various coding schemes including Occupant Injury Classification (OIC), Abbreviated Injury Scale (AIS) and Collision Deformation Classification (CDC). Use of computer accident reconstruction and simulation programs (EDCRASH, EDSMAC, CRASH3). Representative for Transport Canada in local safety issues. Preparation of visual presentations to various groups. Preparation of scientific research papers and presentation at conferences throughout North America. Liaise with Transport Canada investigators at annual meetings throughout Canada.

- Collision Analysis & Reconstruction**, (London, Ontario), Consultant/Owner, May, 1987 - June, 1990. **Duties:** Owner of part-time consulting business. Provision of expert analysis of motor vehicle collisions to private sector insurance companies and lawyers. Handled approximately 35 cases in three years of operation.

PROFESSIONAL SOCIETIES

- Full Accreditation as a Traffic Accident Reconstructionist, Accredited by Accreditation Commission For Traffic Accident Reconstruction, Since February 27, 1994, Registration Number 312.
- Society of Automotive Engineers, Affiliate Member, 1982.
- American Academy of Forensic Sciences, Member, 1992.

ACADEMIC BACKGROUND

- Bachelor of Arts (Psychology), University of Western Ontario, London, Ontario, 1979.

OTHER COURSES

- Occupational Health & Safety, Fall, 1980
Fanshawe College, London, Ontario.
- Accident Reconstruction Workshop, Presented By Raymond McHenry, February 24-26, 1981; MGA Research Corporation; Transport Canada Team Meeting; Ottawa, Ontario.

OTHER COURSES (Cont'd)

- Transport Canada Skid School,
May, 1985, Transport Canada Test Centre,
Blainville, Quebec.
- Advanced Accident Investigation, April, 1984
Institute of Police Traffic Management,
University of North Florida, Jacksonville.
- Examination for Qualification as Traffic
Accident Reconstructionist, ACTAR; Examination
written in Dearborn, Michigan site, February, 1994.
- EDCRASH Computer Accident Reconstruction Course,
November 7-11, 1994, University of Miami, Florida;
Engineering Dynamics Corporation.
- World Reconstruction Exposition (WREX), Texas A & M
University, College Station, Texas, September 24-29, 2000.
- CATAIR Seminar: "Estimating Driver Perception & Response
Times: Day & Nighttime Solutions", December 4, 2002, Oshawa
- M-SMAC Computer Accident Simulation Program - Course
Provided by McHenry Consultants, Cary, North Carolina,
April 14-16, 2003
- Crash Data Retrieval System, Operator's Certification
Courses, May 24-25, 2003, Newmarket, Ontario & May 16-18,
2005, Toronto, Ontario
- Attendance (Every Year Since 1981) At Society Of Automotive
Engineers Annual Congress, Accident Reconstruction & Safety
Technology Seminars, Detroit, Michigan

AREAS OF EXPERTISE

- Accepted in the courts of Ontario as an expert witness in
issues of injury causation, seat-belt issues, collision
severity, speed estimates, roadway design & signage,
computer simulation and general accident reconstruction
- Documentation and analysis of over 1200 investigations.
- Seat-belt wearing evidence determination, examination, and
analysis.
- Occupant Injury: restraint effects, injury patterns, low
speed soft tissue injuries, injury source.
- Vehicle speed assessments, collision severity.
- Vehicle crash-worthiness.
- Perception-reaction and visibility assessments.
- In-depth reconstruction using physical evidence.
- Licensed, Ontario, In-Vehicle, Driving Instructor, June,
2001
- Certified by Vetronix Corporation as Crash Data Retrieval
Operator, May, 2003 & 2005, Attendance at Crash Data
Retrieval User's Conference, Dallas, Texas, Feb 13 & 14,
2006

RESEARCH STUDIES (University of Western Ontario)

- Multi-Disciplinary Accident Investigation Program, 650 passenger car investigations completed.
- Motor Vehicle Defect Investigation Program, approximately 150-200 investigations of defect complaints completed.
- Light Truck and Van Collision Investigation Program, 236 investigations completed.
- Child Restraint Study, 100 investigations completed.
- Fully-Restrained Occupant Study II, 15 cases completed.

LECTURER

- Traffic Supervisors Course, Ontario Police College, 1981-1986.
- Traffic Law and Collision Investigation Course, Ontario Police College, 1985-1989.
- Advanced Accident Investigation Course, Ontario Police College, 1985-1989.
- Motor Vehicle Occupant Restraint Systems, Somerville House, University of Western Ontario, November 27, 1986.
- An Introduction to Collision Investigation and Reconstruction Techniques, Spencer Hall, University of Western Ontario, July 17-23, 1987.
- Senior Identification Course, Ontario Police College, 1987.
- Accident Investigation Workshop, Ryerson Polytechnical Institute, Toronto, December 12-15, 1988.
- Numerous presentations to insurance groups and private associations on Accident Reconstruction and Motor Vehicle Safety Research

AUTHOR PUBLISHED RESEARCH PAPERS

- Gorski, Z.M.; German, A.; Nowak, E.S.; Collision Reconstruction Techniques: Vehicle Damage Analysis; Proceedings of the Canadian Multidisciplinary Road Safety Conference IV; May, 1985; Montreal, Quebec.
- Gorski, Z.M.; German, A.; Nowak, E.S.; Video Collision Reconstruction Using Physical Evidence; Proceedings of the 66th Annual Meeting of the Transportation Research Board; January, 1987; Washington, D.C.

AUTHOR PUBLISHED RESEARCH PAPERS (Cont'd)

- Gorski, Z.M.; German, A.; Nowak, E.S.; Examination and Analysis of Seat-belt Loading Marks; 40th Annual Meeting of the American Academy of Forensic Sciences; Philadelphia, Pennsylvania; February, 1988; Published in Journal of Forensic Science, January, 1990.
- Gorski, Z.M.; Nowak, E.S.; Practical Problems Related to Side Impact Field Data Accuracy and Its Importance to Side Impact Protection Assessments; Society of Automotive Engineers; Proceedings: Side Impact Occupant Protection Technologies, SP-851; February, 1991.
- Gorski, Z.M. Articles published in "Without Prejudice", Ontario Insurance Adjusters magazine, "Missing Police Information In Accident Reconstruction" (June, 1999); "Automotive Crash Data Recorders In Accident Reconstruction" (April, 2001); "Intersection Collisions: Interview And Discovery Procedures For Accident Reconstruction" (November, 2004).

CO-AUTHOR PUBLISHED RESEARCH PAPERS

- Green, R.N.; German, A.; Gorski, Z.M.; Nowak, E.S.; Tryphonopoulos, J.P.; Improper Use of Occupant Restraints; Case Studies from Real-World Collisions; Proceedings of the 30th Annual Conference of the American Association for Automotive Medicine; October 6-8, 1986; Montreal, Quebec.
- German, A.; Gorski, Z.M.; Green, R.N., Nowak, E.S.; Case Studies of Severe Frontal Collisions Involving Fully-Restrained Occupants; Proc. of the 31st AAAM Conference; September, 1987.
- Green, R.N., German, A., Gorski, Z.M., Nowak, E.S., Dance, D.M.; Abdominal Injuries Associated with the Use of Rear-Seat Lap Belts in Real-World Collisions; Proceedings of the International IRCOBI Conference; Birmingham, England; September, 1987.
- Green, R.N., German, A., Gorski, Z.M., Nowak, E.S., Dance, D.M.; Misuse of Three Point Occupant Restraints in Real-World Collisions; Proceedings of the International IRCOBI Conference; Birmingham, England; September, 1987.

CO-AUTHOR PUBLISHED RESEARCH PAPERS (Cont'd)

- Nowak, E.S., German, A., Gorski, Z.M., Green, R.N.; Side Impacts: Test Crashes and Real-World Collisions; Twelfth International Technical Conference on Experimental Safety Vehicles; May 29-June 1, 1989; Goteborg, Sweden.
- German, A., Gorski, Z.M., Green, R.N., Nowak, E.S., PCS - The First Two Years of a Passenger Car Study in Southwestern Ontario; Canadian Multidisciplinary Road Safety Conference V, June 1-3, 1987, Calgary, Alberta, Canada.
- Green, R.N.; German, A.; Gorski, Z.M.; Nowak, E.S.; Tryphonopoulos, J.P.; Unsatisfactory Roadside Barrier System Performance in Real-World Collisions: Lessons to be Learned; Society of Automotive Engineers; From Proceeding P-194, Vehicle Highway Infrastructure: Safety Compatibility; SAE International Congress & Exposition; Detroit, Michigan, February 23-27, 1987.
- Nowak, R.S., Nowak, E.S., German, A., Gorski, Z.M.; The Effect of Restitution on Central Motor Vehicle Collisions; Details Unavailable; 1988.

UNPUBLISHED PAPERS & ARTICLES

- Gorski, Z.M.; Collision Reconstruction Techniques: In-depth Vehicle Damage Analysis; Ontario Police College Lecture Notes; June, 1984.
- Gorski, Z.M.; Identification of Rotation Direction Through Examination of Damage Patterns in Head-on Collisions; Ontario Police College Lecture Notes; April, 1986.
- Gorski, Z.M.; An Examination of Physical Evidence in Head-on Collisions; Ontario Police College Lecture Notes; October, 1986.
- Gorski, Z.M.; An Examination of Physical Evidence in Ninety Degree Angle Collisions; Ontario Police College Lecture Notes; January, 1987.
- Gorski, Z.M.; Identification of Cause in Highway Speed Loss of-Control Collisions; Vehicle Investigators' Newsletter(VIN), January, 1987.

UNPUBLISHED PAPERS & ARTICLES (Cont'd)

- Gorski, Z.M.; Detailed Measurement of Collision Scene Evidence and its Value in Collision Reconstruction; April, 1987.
- Gorski, Z.M.; German, A.; Nowak, E.S.; A Preliminary Examination of Factors Affecting the Location of Seat-Belt Loading Marks; 15th International Forum on Traffic Records Systems; El Paso, Texas; July 24-27, 1989.
- Gorski, Z.M.; Identification, Measurement, and Analysis of Vehicle Physical Evidence in a Real-World Side-Impact Collision; March, 1990.
- Gorski, Z.M.; Reconstruction of a Real-World, Side-Impact Collision Using Physical Evidence; March, 1990.
- Gorski, Z.M.; Methodology for Mapping Evidence on Collision-Involved Vehicles; 44th Annual Meeting, American Academy of Forensic Sciences, New Orleans, February, 1992.
- Gorski, Z.M.; Vehicle Travel Directions in Collisions Derived From In-Depth Damage Analysis; 44th Annual Meeting, American Academy of Forensic Sciences, New Orleans, February, 1992.
- Gorski, Z. M.; Error in Estimation of Vehicle Crush and Collision Severity from Visual Inspection of Photographs; 49th Annual Meeting, American Academy of Forensic Sciences, New York City, New York, February 17-22, 1997.