



ASME/ISA Long Island Section Technical Meeting and Seminar

Forensic Engineering and Accident Reconstruction

Grahme Fischer, M.S.M.E., P.E.
Technical Problem Solvers, Inc.

Tuesday, May 16, 2017

New York Institute of Technology – Old Westbury Campus
David Salten Hall – Lecture Hall SC2

Schedule: **6:00-6:30 PM** Sign-In and Light Refreshments
 6:30-8:30 PM Presentation followed by Q&A

Cost: Attendance is free of charge for all attendees and includes light refreshments. There is, however, a \$35 administrative fee if you desire a 2-credit-hour PDH certificate. See next.

PDH Credits: This lecture has been approved by ASME for two PDH credits as ASME Course # LIPDH008. If you desire the PDH certificate, please let us know when you register and bring a \$35 check to the meeting, payable to ASME Long Island Section.

Registration: Please register no later than Thursday, May 11, 2017, by contacting Phil Jacknis at JacknisP2@asme.org, or by calling Phil at 631-499-7121. Please provide your name, daytime phone number, email address, company name and society affiliation. Please state whether you wish to receive a PDH certificate. For questions pertaining specifically to NYIT, please contact Dr. James Scire at jscire@nyit.edu.

Directions to NYIT / Old Westbury and Campus Map: http://www.nyit.edu/locations/old_westbury/

Program Description: When we see the aftermath of vehicular accidents on the roadway, we are often left wondering, "How did that happen?" The answer to that question can have significant personal and monetary consequences for the persons involved. Accident Reconstruction experts, using engineering analysis techniques coupled with specialized software, are called upon to answer this question by identifying the cause of the accident and determining the subsequent chain of events. They may also be called upon to present their findings as an expert witness in court proceedings. This seminar will provide an overview of the tools and techniques used in the reconstruction of vehicle-to-vehicle and vehicle-to-pedestrian accidents. It will include case histories as illustrative examples. The presenter will provide insight into the analytical techniques that are used, as well as a description of the how software is used to calculate and present the trajectories of the vehicles and their occupants in the course of a collision. The last part of the seminar will be open to Q&A from the audience.

About the Speaker: Grahme Fischer, M.S.M.E., P.E., holds a Master of Science in Mechanical Engineering from Columbia University and Bachelor of Mechanical Engineering from Manhattan College. He is an expert in the fields of Accident Reconstruction, Motor Vehicle Collisions, Occupant Motion, Machine Injury and Mechanical Engineering. Mr. Fischer has practiced various aspects of mechanical engineering for many decades. He has been a Professional Engineer for over 40 years and a forensic engineer for over 25 years. He served for five years as an adjunct faculty member of the Mechanical Engineering Department at the State University of New York at Stony Brook, and, for four years, as a consultant to the New York State Department of Education, Bureau of Mathematics.

Mr. Fischer has written hundreds of reports on vehicular accidents involving automobiles, trucks, motorcycles, bicycles, pedestrians, & roadways. He uses both traditional and computer-based analytical methods in accident reconstruction, often using PC-Crash, a state-of-the-art software program for collision simulation. Mr. Fischer has provided expert witness testimony pertaining to vehicle accident reconstruction and mechanical engineering cases in civil litigation, appearing at depositions and trials for both plaintiff and defense clients. His work has been praised by both retaining and opposing attorneys. He is a founding member and Director of the New York Statewide Traffic Accident Reconstruction Society, Inc. (NYSTARS), with a membership of over 250 persons, and is the editor of its peer-reviewed newsletter, "NYSTARS News." He has been an invited lecturer at trial lawyers association meetings and at accident reconstruction seminars.