

JEFFREY A. PIKE

EDUCATION

Polytechnic Institute of New York - Bachelor of Science

New York University - Master of Engineering

University of Michigan, Wayne State University - Post-Masters

University of Michigan Medical School - Human Gross Anatomy for Medical Students

University of Washington Medical School - Diagnostic Imaging Update

University of Texas Medical Branch - Clinical Anatomy of Emergency Procedures

Mayo Clinic - Arthroscopic Anatomy

University of Kentucky College of Medicine - Back Pain

Vanderbilt University Medical School - Surgical Anatomy of the Liver

Northwestern University Traffic Institute - Accident Reconstruction

Assorted: Professional Classes, Seminars, Technical Meetings and Symposia, in accident reconstruction, anatomy, biomechanics, human factors, injury scaling, physiology, vehicle safety.

PROFESSIONAL ORGANIZATIONS

American Association of Clinical Anatomists (AACCA)

Association for the Advancement of Automotive Medicine (AAAM)

International Council on Alcohol, Drugs and Traffic Safety (ICADTS)

National Academy of Science/Transportation Research Board (TRB)

Society of Automotive Engineers (SAE)

AREAS OF INTEREST

- Injury Mechanism, Injury Causation
- Medical Records Review, Contribution of Pre-Existing Frailty and Other Conditions
- Review/Integrate: Medical Records, Accident Report, Witness Statements, Expert Testimony
- MVA's: Vehicle Inspection, Seat Belt Usage, Airbag Deployment/Non-Deployment
- Slip and Fall, Trip and Fall
- Prepare Expert Reports, Testify at Deposition and Trial

CAREER HISTORY

Forcon International - Consultant

Biomechanics Consulting, Inc. - President

Ford Motor Company - Retired after 32 years (Senior Technical Specialist, Injury Mechanisms and Biomechanics). Experience includes: safety research, regulatory analysis and litigation support.

BOOKS

1. Pike JA, Automotive Safety: Anatomy, Injury, Testing and Regulation, SAE (1990), Second Printing (1997)
2. Pike JA, Neck Injury: The Use of X-Rays, CT's and MRI's to Study Crash-Related Injury Mechanisms, SAE (2002)
3. Pike JA, Forensic Biomechanics: Using Medical Records to Study Injury Mechanisms, SAE (2008)
4. Pike JA (ed.), Neck Injury Biomechanics, SAE (2009)

PROFESSIONAL ACTIVITIES

- Adjunct Professor, Wayne State University, Biomedical Engineering
- American Medical Association: Course, speaker, panel, "Critical Issues in Care of Elderly", University of Michigan
- Chair, Ph.D. Examination Committee, Wayne State University
- Centers for Disease Control (CDC), Motor Vehicle Injury Prevention Panel
- CDC Research Grant Reviewer
- Detroit Institute of Ophthalmology, The Eye and The Auto Symposium, Keynote Address
- FBI, Partners in Research Initiative, Working Group
- Ford Motor Company, corporate spokesperson
- Ford Motor Company, present lectures and seminars to various departments
- Florida State Legislature, "Older Driver Safety", presentation, Tallahassee
- Harvard Medical School (Division on Aging), guest lecturer
- Kettering University, Safety Laboratory Advisory Board
- Michigan State Police, Forensic Science Division, Consultant
- MIT, New Transportation Technology for Older People Symposium, lecturer, Cambridge
- Maricopa County Association of Governments, National Conference on Aging and Mobility, Scottsdale AZ, speaker and session organizer
- National Academy of Sciences, National Research Council, Transportation Research Board, Task Force on Safety and Mobility of Older Drivers, "Vehicle Factors" Sub-Committee (Chair)
- SAE Government/Industry Meeting, "Biomechanics" session organizer and presenter, Washington, DC
- SAE Conferences Organizer and Speaker: "Vehicle Rollovers", "Older Drivers", "Occupant Protection", "Lower Limb Injury"
- SAE TopTec Conference Advisory Panel
- SAE World Congress, "Occupant Restraints" Technical Session Co-Organizer and Co-Chair

FORCON

INTERNATIONAL

WWW.FORCON.COM

- Course Director & Principal Lecturer; more than fifty 1, 2 & 3-day SAE Professional Development Automotive Safety Seminars. Seminar venues include:
Auburn Hills, MI (General Motors University) San Antonio, TX
Chandler, AZ San Diego, CA
Costa Mesa, CA Seoul, Korea
Dayton, OH (Wright-Patterson Air Force Base) Shanghai, China
- SAE Professional Development Seminar venues (continued)*

Dearborn, MI
Detroit, MI
Irvine, CA
Milan, OH (Denton)
Nashville, TN

Troy, MI (SAE HQ)
Traverse City, MI
Vandalia, OH (Delphi)
Washington, MI (TRW)

- SAE, Mature Driver Standards Committee, Chair
- SAE, Human Biomechanics Simulation Sub-Committee, Injury Criteria Task Force
- SAE, Occupant Protection Committee
- SEMCOG (SouthEast Michigan Council Of Governments), "The Role of the Auto Industry in Elderly Mobility and Safety", presentation, panel member, Troy, MI
- University of Michigan, Adjunct Faculty, "Occupant Safety" Class, Southfield, MI
- White House Conference on Aging/Elderly Mobility, Speaker and Panel Member
- White House Conference on Technologies for Successful Aging, Washington DC, Speaker and Panel Member

INTERVIEWS

Arthritis Today, AARP, Automotive & Transportation Interiors, Business Week , CNN-TV, Detroit News/Free Press, Design News, Detroit Free Press, Hearst TV Group, Insurance Institute for Highway Safety, NBC Nightly News, Philadelphia Inquirer, Road and Track, 50+, WEWS-TV (ABC), Washington Post

TECHNICAL PUBLICATIONS REVIEWER

- SAE -- As Principal Organizer for more than 50 multi-day conferences and seminars, review presentations of various speakers
- SAE -- as chair, Mature Driver Standards Committee, review and recommend for approval, applicable SAE Standards and Information Reports
- Accident Analysis & Prevention, Technical paper reviewer
- Centers for Disease Control (CDC), Injury Research Grant Review Committee
- TRB -- as chair, Older Driver Vehicle Factors Subcommittee, review technical papers
- AAAM, Technical Paper Reviewer
- SAE Government Industry Meeting, Session Chair, Technical paper reviewer
- SAE World Congress, "Occupant Restraints" Session Co-Organizer, paper reviewer

PATENTS AND AWARDS

Patent Disclosure, Variable Stiffness Electrically Controlled Spring
Ford Environmental & Safety Engineering Staff Achievement
Award Ford PM/EI Achievement Award
SAE Achievement Award, SAE Seminar Instructor
Patent Disclosure, Manually Adjusted Load Limit Seat Belt
SAE McFarland Award SAE Fellow

PUBLICATIONS - Books (detailed above), technical papers and book chapters. Full listing available.