

PUBLICATIONS

1. Ziernicki, Richard M., Ben T. Railsback, Mark H. Kittel and Joseph M. Tremblay. "Tractor Trailers in Winter Conditions." SAE Paper. (In Press).
2. Ziernicki, Richard M., Ben T. Railsback. "Hazard Analysis and Risk Assessment for the Operators of Stand-Up Forklifts." 2008 ASME International Mechanical Engineering Congress and Exposition. Paper Number IMECE2008-66427. (In Press).
3. Ziernicki, Richard M., Ben T. Railsback. "Forensic Engineering Investigation of Product Liability Cases." Journal of the National Academy of Forensic Engineers. (In Press).
4. Ziernicki, Richard M., Ben T. Railsback. "Forensic Engineering Assessment of Safety for Stand Up Forklifts." Journal of the National Academy of Forensic Engineers. (June 2008).
5. Ziernicki, Richard M., David A. Danaher and Jeffrey K. Ball. "Forensic Engineering Evaluation of Physical Evidence in Accident Reconstruction." Journal of the National Academy of Forensic Engineers. (December 2007).
6. Ziernicki, Richard M. and Jeffrey K. Ball. "Limitations of the Possibility of Applying the Monte Carlo Simulation in Vehicle Accident Reconstruction." XVI EVU Annual Meeting. Krakow, Poland. (9 November 2007).
7. Ziernicki, Richard M., Jeffrey K. Ball and David A. Danaher. "A Method for Determining and Presenting Driver Visibility in Commercial Vehicles." SAE Paper 2007-01-4232. (2007).
8. Ziernicki, Richard M., Jeffrey K. Ball and David A. Danaher. "Considerations for Applying and Interpreting Monte Carlo Simulation Analyses in Accident Reconstruction." SAE paper 2007-01-0741. (2007).
9. Ziernicki, Richard M., David A. Danaher. "Forensic Engineering Use of Computer Animations and Graphics." Journal of the National Academy of Forensic Engineers. (December 2006).
10. Ziernicki, Richard M. "Visualization Technology in Accident Reconstruction in American Courts." Proceedings of 10 Conference on Problems in Reconstruction of Motor Vehicle Accidents. Szczyrk, Poland. (October 2006).
11. SAE Accident Investigation and Reconstruction Practices Committee. Joe Marsh, Sponsor. "Equidistant Crush Measurement Techniques", SAE Standard J2433, Society of Automotive Engineers (2006).
12. Ziernicki, Richard M., Nathan A. Rose and Stephen J. Fenton. "Crush and Conservation of Energy Analysis: Toward a Consistent Methodology." Society of Automotive Engineers paper number 2005-01-1200. Warrendale, PA. (2005).
13. Ziernicki, Richard M., Stephen J. Fenton, Wendy S. Johnson, James M. LaRocque, David A. Danaher, Nathan A. Rose and Robert S. Hoit. "Reconstruction of a Motor Vehicle Accident Involving Police Shooting Using Photogrammetry and 3-D Computer Modeling." Accident Reconstruction Journal (in press).
14. Ziernicki, Richard M., Nathan A. Rose and Stephen J. Fenton. "An Examination of the CRASH3 Effective Mass Concept." Society of Automotive Engineers, paper 2004-01-1181 (2004).
15. Ziernicki, Richard M., and Jeffrey K. Ball. "An Innovative Technique for Using Experts in Patent Litigation." Intellectual Property Today. (September 2004).
16. Ziernicki, Richard M., David A. Danaher, Wendy S. Johnson and Ben T. Railsback. "A New Polycarbonate and Glass Laminate and its Affects on the Relationship Between Residual Tensile Stresses and Impact Resistance of Windshields." Proceedings of the 2002 SAE International Body Engineering Conference and Automotive & Transportation Technology Conference, Paper 2002-01-1991. (July 2002).
17. SAE Accident Investigation and Reconstruction Practices Committee. Joe Marsh, Sponsor. Reaffirmation of J1301 - Truck Deformation Classification. Society of Automotive Engineers.
18. SAE Accident Investigation and Reconstruction Practices Committee. Joe Marsh, Sponsor. Reaffirmation of J224 - Collision Deformation Classification. Society of Automotive Engineers.
19. Ziernicki, Richard M., and Wendy S. Johnson. "Forensic Engineering Techniques to Reconstruct Shooting Incidents." Journal of the National Academy of Forensic Engineers. 18 No. 1 (June 2001).
20. Ziernicki, Richard M., and Stephen J. Fenton. "Two & Three Dimensional Photogrammetric Accident Analysis." Journal of the National Academy of Forensic Engineers. 17 No. 1 (June 2000).
21. Ziernicki, Richard M., Stephen J. Fenton, Nathan Rose and Wendy S. Johnson. "Using Digital Photogrammetry to Determine Crash Severity." International Journal of Crashworthiness. REF: 2173 (2000).
22. Ziernicki, Richard M., Stephen J. Fenton, Wendy S. Johnson, James LaRocque and Nathan Rose. "Using Digital Photogrammetry to Determine Vehicle Crush and Equivalent Barrier Speed." Society of Automotive Engineers (SAE) paper 1999-01-0439. (1999).
23. Ziernicki, Richard M., Carl Finocchiaro, Jubal Hamernik and Stephen J. Fenton. "Automotive Airbags." Accident Investigation Quarterly. 16 (Fall 1997).
24. Ziernicki, Richard M. and Olof Jacobson. "Field Investigation of Automotive Seat Belts." Accident Investigation Quarterly. 9 (Winter 1996).

25. Ziernicki, Richard M., Olof Jacobson and Jubal Hamernik. "Head Injury Risk Assessment and Prevention in Automobile Accidents." Accident Reconstruction Journal. 8 No. 5 (September/October 1996).
26. Ziernicki, Richard M., Olof Jacobson and Jubal Hamernik. "Head Injury Risk Assessment and Prevention in Automobile Accidents." Proceedings of the 29th International Symposium on Automotive Technology and Automation (ISATA). (June 1996).
27. Ziernicki, Richard M. and Olof Jacobson. "Head Injury Prevention and Future Design Trends in Automotive Industry." Journal of the National Academy of Forensic Engineers. 12 No. 1 (June 1996).
28. Ziernicki, Richard M. and Olof Jacobson. "Seat Belt Investigation in Automobile Accidents." Journal of the National Academy of Forensic Engineers. 12 No. 1 (June 1995).
29. Ziernicki, Richard M., Cotter, C. and I. Szczyrba. "Head-Brain Simulator." Awarded Grant, National Science Foundation Grant #DMI-9461718. (January 1995).
30. Ziernicki, Richard M. and Olof Jacobson. "Seat Belt Development and Current Design Features." Accident Reconstruction Journal. 6 No. 1 (January/February 1994).
31. Ziernicki, Richard M. and Olof Jacobson. "Head Injury in Automobile Accidents." Society of Automotive Engineers (SAE) paper 942377. (1994).
32. Ziernicki, Richard M. "The Forensic Engineer's Relationship to Manufacturers in Product Cases." Journal of the National Academy of Forensic Engineers. 9 No. 1 (June 1992).
33. Ziernicki, Richard M. "The Lyons, Colorado School Buss Accident." Accident Reconstruction Journal. 4 No. 1 (January/February 1992).
34. Ziernicki, Richard M. "An Overview of Heavy Truck Braking Performance." Journal of the National Academy of Forensic Engineers. 8 No. 1 (June 1991).
35. Ziernicki, Richard M. "Working with the Manufacturer in Product Cases." Forensic Engineering, The International Journal. 3 No. 4 (1991).
36. Ziernicki, Richard M. "Lyons School Bus: An Avoidable Accident." Colorado Engineering. 8 No. 6 (April 1990).
37. Ziernicki, Richard M. "The Effect of Variables on Vehicular Accident Reconstruction." Forensic Engineering, The International Journal. 2 No. 3 (1990).
38. Ziernicki, Richard M., K. Rozemski and P. Radulovic. "Digital and Analog Model of the Suspension of Heavy Vehicles." Motor Vehicle Motors.
39. Ziernicki, Richard M., Kasprzyk, St. and J. Wapiennik. "Vibration Isolating of Machinery Supported on a Beam with Moving Ends." Rozprawy Inzynierskie. (1982).
40. Ziernicki, Richard M., Rozemski, K. and St. Staruch. "Some Generalizations in Analysis of Vibrations of Discrete-Continuous Systems of Type (n, (00))." Nonlinear Vibration Problems. 22 (1982).
41. Ziernicki, Richard M., K. Rozemski and P. Radulovic. "A Discrete-Continuous Model of Suspension of the Heavy Trucks." 19th International FISIT A Congress. (1982).
42. Ziernicki, Richard M. and Staruch, St. "Analytical-Numerical Method of Transverse Vibration Analysis of a Beam with a Moving Mass Supported on a Spring." 13th International Conference of Machine Dynamics Interdynamics '81". (1981).
43. Ziernicki, Richard M. and Kasprzyk, St. "Beam Vibration Under a Moving Discrete System." Mechanika Teoretyczna i Stosowana. 3 (1981).
44. Ziernicki, Richard M. "Dynamic Behavior of a Beam Subjected to a Traveling Discrete System with Five Degrees of Freedom." Vibroakustyka. 5 (1981).
45. Ziernicki, Richard M., K. Rozemski, and A. Stefanovic. "Modeling, Analysis and Oscillatory Optimization of an Engine-Gearbox Assembly of a Heavy Truck." Science and Motor Vehicles 1981. (1981).
46. Ziernicki, Richard M. "Influence of a Polyharmonic Exciting, Conservative Discrete Continuous System Moving on an Elastic Beam on a Function and on the Eigenvalues of the System." Scientific Bulletin, University of Mining and Metallurgy. 785, 129 (1980).
47. Ziernicki, Richard M. "The Analysis of Free Vibrations of a Discrete-Continuous System of the Type (5, (00))." Scientific Bulletin, University of Mining and Metallurgy. 775, 125 (1980).
48. Ziernicki, Richard M.. "The Influence of Parameters of a Discrete System on Eigenvalues of a Discrete-Continuous System of the Type (1, (00))." Scientific Bulletin, University of Mining and Metallurgy. 785, 129 (1980).
49. Ziernicki, Richard M. and J. Wapiennik. "Comparison of Spring Force in a Discrete System and in a Continuous-Discrete System of the Type (1, (00))." Scientific Bulletin, University of Mining and Metallurgy. 728, 112 (1979).

#### TECHNICAL CONFERENCES AND PRESENTATIONS

1. American Academy of Forensic Sciences (AAFS). 2009 61<sup>st</sup> Annual Scientific Meeting. Colorado Convention Center. Denver, CO. 19 Feb. 2009.
2. "Use of State of the Art Technology in Investigating Trucking Accidents." Speaker. Association of Interstate Trucking Lawyers of America (AITLA). Atlanta, GA. 24-26 Oct. 2008.
3. "Forensic Engineering Investigation of Product Liability Cases." Speaker. National Academy of Forensic Engineers Annual Meeting (NAFE). Portland, OR. 24-26 Jul. 2008.
4. Society of Automotive Engineers (SAE). SAE World Congress: International Congress and Exposition. Cobo Hall. Detroit, MI. 15-16 Apr. 2008.
5. "Forensic Engineering Assessment of Safety for Stand Up Forklifts." Speaker. National Academy of Forensic Engineers Winter Convention. San Juan, Puerto Rico. 5 Jan. 2008.

6. "Expert Opinions in Visual Form: State of the Art Animation." Speaker. Wilson Elser Moskowitz Edelman & Dicker, LLP Law Firm. White Plains, NY. 20 Nov. 2007.
7. "Limitations of the Possibility of Applying the Monte Carlo Simulation in Vehicle Accident Reconstruction." Speaker. XVI EVU Annual Meeting. Krakow, Poland. 9 Nov. 2007.
8. "Forensic Engineering Evaluation of Physical Evidence in Accident Reconstruction." Speaker. National Academy of Forensic Engineers Annual Meeting (NAFE). Denver, CO. 28 Jul. 2007.
9. "Considerations for Applying and Interpreting Monte Carlo Simulation Analyses in Accident Reconstruction." Co-author of presented paper. SAE World Congress: International Congress and Exposition. Cobo Hall, Detroit, MI. 16-19 Apr. 2007.
10. "Forensic Engineering Use of Computer Animations and Graphics." Speaker. Purdue University. Lafayette, IN. 13 Nov. 2006.
11. "Visualization Technology in Accident Reconstruction in American Courts." Speaker. 10<sup>th</sup> Conference on Problems in Reconstruction of Motor Vehicle Accidents. Szczyrk, Poland. 26-28 Oct. 2006.
12. "Use of Animation and Computer Graphics." Speaker. National Academy of Forensic Engineers (NAFE). Boston, MA. 10 Jul. 2006.
13. "Accident Reconstruction Overview." Invited Speaker. Televised seminar throughout the state of Wyoming. Wyoming Trial Lawyers Association. Cheyenne, WY. 26 Apr. 2006.
14. "How to Read and Understand an Expert's Report on Accident Reconstruction." Invited Speaker. Televised seminar throughout the state of Wyoming. Wyoming Trial Lawyers Association. Cheyenne, WY. 26 Apr. 2006.
15. Society of Automotive Engineers (SAE). SAE World Congress: International Congress and Exposition. Cobo Hall. Detroit, MI. 3-5 Apr. 2006.
16. "Defining Forensic Engineering and Animation." Speaker. Purdue University. Lafayette, IN. 3 Nov. 2005.
17. "Crush and Conservation of Energy Analysis: Toward a Consistent Methodology." Co-author of presented paper, Society of Automotive Engineers (SAE). SAE World Congress: International Congress and Exposition. Cobo Hall. Detroit, MI. 8-11 Mar. 2004.
18. "An Examination of the CRASH3 Effective Mass Concept." Co-author of presented paper, Society of Automotive Engineers (SAE). SAE World Congress: International Congress and Exposition. Cobo Hall. Detroit, MI. 3-6 Mar. 2003.
19. Society of Automotive Engineers (SAE). SAE World Congress: International Congress and Exhibition, Cobo Hall. Detroit, MI. 5-7 Mar. 2002.
20. "A New Polycarbonate and Glass Laminate and its Affects on the Relationship Between Residual Tensile Stresses and Impact Resistance of Windshields." Co-author of presented paper. International Body Engineering Conference & Exhibition and Automotive & Transportation Technology Conference. Paris, France. July 9-11, 2002.
21. "Hot Topics in Auto Litigation." Speaker. Professional Educations Systems Institute (PESI). Denver, CO. 29 Nov. 2001.
22. "Selected Topics in Auto Litigation." Speaker. Professional Educations Systems Institute (PESI). Aurora, CO. 29 Jun. 2001.
23. Society of Automotive Engineers (SAE). SAE World Congress: International Congress and Exhibition. Cobo Hall. Detroit, MI. 5-8 Mar. 2001.
24. "Forensic Engineering Techniques to Reconstruct Shooting Incidents." Speaker. National Academy of Forensic Engineers (NAFE). Los Angeles, CA. 20 Jan. 2001.
25. "Using Digital Photogrammetry to Determine Crash Severity." Paper, ICRASH2000." Presented paper. The Royal Aeronautical Society. London, UK. 6 Sept. 2000.
26. "Technology in Product Liability Cases." Speaker. 2000 Colorado Defense Lawyers Association Annual Conference. Steamboat Springs, CO. 19 Aug. 2000.
27. "State of the Art Technologies in Accident Reconstruction." Speaker. National Association of Independent Insurance Adjusters. 63rd Annual Convention. Keystone, CO. 25 May 2000.
28. "Comparison of Two and Three Dimensional Photogrammetry in Accident Reconstruction." Speaker. National Academy of Forensic Engineers (NAFE). Crystal City, VA. 30 Jan. 2000.
29. "New Technologies in Accident Reconstruction." Presenter. Society of Automotive Engineers (SAE). Colorado Section Meeting. Knott Laboratory, Inc., Centennial, CO. 19 Jan. 2000.
30. "The Use of Computer Animations in Patent Litigation." Speaker. Boulder County Bar Association, IP/Patent Section. Boulder, CO. 10 Nov. 1999.
31. "Computer Animation in Personal Injury Cases." Speaker. Nevada Trial Lawyer's Association. Vancouver, Canada. 7-9 Oct. 1999.
32. "New Technology in Accident Reconstruction." Speaker. Colorado Defense Lawyer's Association. Vail, CO. 13-14 Aug. 1999.
33. "Using Digital Photogrammetry to Determine Vehicle Crush & Equivalent Barrier Speed (EBS)." Co-author of presented paper. Society of Automotive Engineers (SAE). International Congress and Exposition: Accident Reconstruction Session. Cobo Hall, Detroit. MI. 2 Mar. 1999.
34. "Failure Analysis and Condition Assessment." Guest Lecturer. Graduate Engineering class (CE5801). University of Colorado at Denver. Denver, CO. 28 Apr. 1999.

35. "State of the Art Technology in Accident Reconstruction." Speaker. Colorado Claims Association Annual Seminar. Englewood, CO. 2 Oct. 1998.
36. "Trial Advocacy Track-Making Your Case: Evidence with Impact, Proving Causation in Low Impact Collision Cases." Speaker. 1998 Association of Trial Lawyers of America (ATLA). Annual Convention. Washington D.C. 10-14 Jul. 1998.
37. "The Judges Role as Gatekeeper: Responsibilities and Powers." Panel Speaker & Faculty, Harvard Law School. Five State Judicial Conference. Medora, ND. 7-10 Jul. 1998.
38. "Car Crashes and Occupant Injuries: A Team Approach to Crash Investigation." Association for the Advancement for Automotive Medicine (AAAM). Seminar. Tempe, AZ. 16-17 Apr. 1998.
39. "Condition Assessment and Failure Analysis of Civil/Mechanical Infrastructure." Guest Lecturer. Graduate Engineering class (CE5805). University of Colorado at Denver. Denver, CO. Dec. 1997.
40. "Airbag Design and Performance TOPTec Topical." Society of Automotive Engineers (SAE). Technical Workshop. Costa Mesa, CA. 14-15 Aug. 1997.
41. "Global Technology Partnering: Accident Reconstruction and Occupant Protection and Injury Assessment in the Automotive Crash Environment." Society of Automotive Engineers (SAE). International Congress and Exposition. Cobo Hall. Detroit, MI. 24-25 Feb. 1997.
42. "40th Stapp Car Crash Conference." Society of Automotive Engineers (SAE). Seminar. Albuquerque, NM. 4-6 Nov. 1996.
43. "Low Speed Collision TOPTec Topical." Society of Automotive Engineers (SAE). Technical Workshop. Richmond, BC CAN. 19-20 Aug. 1996.
44. "Forensic Analysis and Condition Assessment of Civil and Mechanical Infrastructure." Guest Lecturer. Graduate Engineering class (CE5805). University of Colorado at Denver. Denver, CO. 24 Apr. 1996.
45. "Accident Reconstruction. Occupant Protection and Injury Assessment for Frontal Impact." Society of Automotive Engineers (SAE). Seminar: International Congress and Exposition. Cobo Hall. Detroit, MI. 26-29 Feb. 1996.
46. "Head Injury Prevention and Future Design Trends in the Automotive Industry." Presented paper. National Academy of Forensic Engineers (NAFE). National Society of Professional Engineers 1996 Winter Meeting. Portland, OR. 22-24 Jan. 1996.
47. "39th Stapp Car Crash Conference." Society of Automotive Engineers (SAE). Seminar. San Diego, CA. 8-10 Nov. 1995.
48. Association for the Advancement of Automotive Medicine. 39th Annual Conference. Chicago, IL. 15-18 Oct. 1995.
49. "Medicine for Engineering." Association for the Advancement of Automotive Medicine. Seminar. Chicago, IL. 15 Oct. 1995.
50. American Council of Independent Laboratories (ACIL). Convention. Orlando, FL. 7-10 Oct. 1995.
51. "Low Speed Collision and Injury." Speaker. Denver Claims Association. Denver, CO. 29 Sept. 1995.
52. "Auto Collisions and Head Injury." Presented paper. Continuing Medical Education Committee Trauma Conference. Memorial Hospital, Colorado Springs, CO. 16 Aug. 1995.
53. "Passive Restraints TOPTec Topical." Society of Automotive Engineers (SAE). Technical Workshop. San Francisco, CA. 4-5 May 1995.
54. "Head Injury and Occupant Kinematics." Presenter. Colorado Claims Managers Association. Denver, CO. 11 Apr. 1995.
55. "Accident Reconstruction: Advances in Occupant Protection, Technologies for the 1990's. Airbag Performance and Experience, Crash Instrumentation. Human Modeling Technology." Society of Automotive Engineers (SAE). Seminar: International Congress and Exposition. Cobo Hall. Detroit, MI. 27 Feb.-3 Mar. 1995.
56. "Seat Belt Investigation in Automobile Accidents." Presented paper. National Academy of Forensic Engineers (NAFE). 1995 Winter Meeting. Houston, TX. 11-18 Jan. 1995.
57. "Head Injury in Automobile Accidents." Presented paper. Society of Automotive Engineers (SAE). Brazil III Mobility Technology Congress and Exposition. Sao Paulo, Brazil. 7-9 Nov. 1994.
58. "Clinical and Biomechanical Aspects of Post-Traumatic Arthropathy in Motor Vehicle Accidents." Speaker. Advances in Orthopedic Biomechanics and Their Clinical Applications Symposium. John Hopkins University School of Medicine. Baltimore, MD. 27-30 Oct. 1994.
59. "Knee Injury in Automobile Accidents." Speaker. Continuing Medical Education Committee Trauma Conference. Memorial Hospital. Colorado Springs, CO. 19 Oct. 1994.
60. "Accident Reconstruction: Technology. Vehicle Dynamics and Simulation. Restraint Technology. Occupant Protection Technology." Society of Automotive Engineers (SAE) Seminar: International Congress & Exposition. Cobo Hall. Detroit, MI. 28 Feb.-3 Mar. 1994.
61. Society of Automotive Engineers (SAE). Head and Injury Symposium. Denver Marriott City Center. Denver, CO. 9 Dec. 1993.
62. American Council of Independent Laboratories Western Division/act LABS Meeting. Monterey, CA. 23 Apr. 1993.

63. "Vehicle Accident Reconstruction." Society of Automotive Engineers (SAE). International Congress and Exposition. Cobo Hall. Detroit, MI. 1-5 Mar. 1993.
64. "The Forensic Engineer's Relationship to Manufacturers in Product Cases." Presented paper. National Academy of Forensic Engineers Annual Convention (NAFE). Jun. 1992.
65. "36th Stapp Car Crash Conference." Society of Automotive Engineers (SAE). Seminar. Seattle, WA. 2-4 Nov. 1992.
66. "Accident Investigation Workshop." Speaker. Product Safety Seminar for Equipment Manufacturers Institute. Indian Lakes conference Center. Bloomingdale, IL. 17-18 Oct. 1991.
67. "Working With Manufacturers in Product Cases." Presented paper. American Council of Independent Laboratories, Inc. 54th Annual Meeting. New Orleans, LA. 12-17 Oct. 1991.
68. "Boulder Master Advocates Program, NITA, for National Institute for Trial Advocacy." Speaker. Expert witness presentation. Notre Dame Law School. University of Colorado, Boulder. CO. 30 Jun.-5 Jul. 1991.
69. "Advanced Trial Advocacy Expert Witness." Speaker. University of Colorado. Boulder, CO. 15 Apr. 1991.
70. "Vehicle Accident Reconstruction." Society of Automotive Engineers (SAE). International Congress and Exposition. Cobo Hall. Detroit, MI. 18-22 Feb. 1991.
71. "An Overview of Heavy Truck Braking Performance." Presented paper. National Academy of Forensic Engineers (NAFE). 1991 Winter Meeting. New Orleans, LA. 16 Jan. 1991.
72. "Engineering Ethics." National Society of Professional Engineers (NSPE). Conference. Colorado Springs, CO. 5-7 Oct. 1990.
73. "Quality Control by Edward Demming." University of Colorado. Boulder, CO. Jun. 1990.
74. "Brakes-Design and Safety." Society of Automotive Engineers (SAE). Seminar: International Congress and Exposition. Cobo Hall. Detroit, MI. 15 Feb. 1990.
75. "Accident Reconstruction (EDSMAC)." Engineering Dynamic Corporation. Seminar. Northridge, CA. Jan. 1990.
76. "The Effect of Variables on Vehicular Accident Reconstruction." Presented paper. Third International Conference on Structural Failure, Product Liability and Technical Insurance. Vienna, Austria. 10-12 Jul. 1989.
77. "Safety Considerations in Engineering Design." Speaker. University of Denver. Denver, CO. Apr. 1989.
78. "Vehicle Accident Reconstruction." Society of Automotive Engineers (SAE). Seminar: International Congress and Exposition. Cobo Hall. Detroit, MI. Feb. 1989.
79. American Council of Independent Laboratories (ACIL). Annual Convention. Austin, TX. 1988.
80. "Micro Computer Assisted Traffic Accident Reconstruction (EDCRASH)." Traffic Institute. Seminar. Northwestern University. Evanston, IL. 26-30 Sept. 1988.
81. American Council of Independent Laboratories (ACIL). Annual Convention. Mazatlan, Mexico. 1987.
82. "Vehicle Accident Reconstruction." Speaker. Colorado Claims Adjuster Association. Denver, CO. 1987.
83. "Engineers in Court." Professional Engineers of Colorado (PEC). Seminar. Denver, CO. Sept. 1986.
84. "Flexible Manufacturing Systems." Seminar. University of Colorado. Boulder, CO. 1983.
85. "Vibration, Measurement and Analysis." Bruel & Kjaer Instruments, Inc. Seminar. Denver, CO. 27-28 Sept. 1982.
86. "Honing Technology." Society of Manufacturing Engineers. Seminar. Los Angeles, CA. 8-10 Jun. 1982.
87. "Modeling, Analysis and Oscillatory Optimization of an Engine-Gearbox Assembly of a Heavy Truck." Co-author of presented paper. 10th International Conference. Kragujevac, Yugoslavia. 11-14 May 1981.
88. "Dynamic Behavior of a Beam Subjected to a Traveling Discrete System with Five Degrees of Freedom." Presented paper. 13th International Conference of Machine Dynamics. Jadwisin, Poland. 6-10 Apr. 1981.
89. "Influence of a Polyharmonic Excitating, Conservative Discrete Continuous System Moving on an Elastic Beam on a Function and on the Eigenvalues of the System." Presented paper. VIII International Conference on Machines Theory and Mechanisms. Krakow-Kozubnik, Poland. 18-20 May 1980.
90. "The Analysis of Free Vibrations of a Discrete-Continuous System of the Type (5. (00))." Presented paper. VIII International Conference on Machines Theory and Mechanisms. Krakow-Kozubnik, Poland. 18-20 May 1980.
91. "V Symposium of Vibrations and Vibroacoustics Technique." Presented paper. Krakow, Poland. 23-24 Mar. 1979.

## MEDIA APPEARANCES

1. The Big Story Weekend. Fox News Channel. 29 May 2005.
2. The Big Story by Rita Cosby. Fox News Channel. 19 Feb. 2005.
3. "High-tech Knott Lab solves big cases by Diane Freeman." Rocky Mountain News: Special To The News. 29 Nov. 2004.
4. "Knott Laboratory Feature by Business Reporter, Greg Moss." Channel 9 News Morning Show. 10 Nov. 2004.
5. "At Large with Geraldo Rivera." Fox News Channel. Fox. 15 Nov. 2003.
6. "Forensic Animation at Knott Labs by Mark Koebrich." Channel 9 News. 12 Nov. 2003.
7. "Unsolved History: The Death of Diana." Discovery Channel. 20 Aug. 2003.
8. "How Technology and Animation Work Together to Aid in Forensic Analysis." Channel 4 News. CBS. 8 May 2003.
9. "River Barge Crash / Highway Bridge Collapse Muskogee County, Ok." Channel 4 News. Denver. 28 May 2002.
10. "T-Rex Construction Crane Collapse Story." Channel 4 News. Denver, CO. 4 Apr. 2002.
11. Airbags: The Next Generation." Channel 4 News. Denver, CO. Spring 2001.
12. "Out of Control: Why Cars Crash." MSNBC. 2000/2001.
13. "Steering Out of Trouble." Channel 4 News. Denver, CO. 5 Dec 2000.
14. "SUV Rollover Accidents." News 20/20. ABC. Fall 2000.
15. "High-Tech Super Sleuths by Erin Kindberg." The Denver Business Journal. 6-12 Aug. 1999.
16. "Science Behind the Headlines." Discovery Channel. 1998/1999.
17. "Princess Diana Accident." Fox31 News. Fox. Denver, CO. Fall 1997.
18. "Princess Diana Accident." Dateline. NBC. Fall 1997.
19. "Princess Diana Accident." Channel 4 News. Denver, CO. Fall 1997.
20. "Princess Diana Accident." Channel 9 News. Denver, CO. Fall 1997.
21. "Princess Diana Accident." Channel 2 News. Denver, CO. Fall 1997.
22. "Denver Lab Analyzes Di Crash Details by Jaxon Van Derbeken." Rocky Mountain News. 20 Sept. 1997.
23. "Airlife Helicopter Accident Reconstruction." Channel 4 News. Denver, CO. Nov. 1997.
24. "Lyon School Bus Accident Investigation." The Daily Camera. Boulder, CO. 1990.