

PRESENTATIONS AND PAPERS

Dr. C. J. Abraham, P.E.

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Peer reviewer of manuscripts for the American Society for Testing & Materials (ASTM) 1991-Present

Peer reviewer of manuscripts for the Journal of Forensic Examiners, 1994-Present

Numerous papers written and/or presented during 1961-1965 under confidential and/or secret clearance in areas of ablation, insulation, material evaluation, fiber analysis in hyper-thermal environments.

1. A Survey of Insulation Materials, by C. J. Abraham, R. L. Keller and A. A. Stenersen, Report No. 339, Aerojet Corporation, August, 1961.
2. Evaluation of specific DuPont Research Fiber Reinforcing Agents, C. J. Abraham and A. A. Stenersen, Report No. MF-525; Aerojet General Corporation, November, 1963.
3. The Treatment & Analysis of Power Plant Operations, by C. J. Abraham, Engineering Society of Power Plant Engineers, Suffolk County, 1967.
4. Chemical Defense of Drugs and Narcotics, by C. J. Abraham, Suffolk County Criminal Bar Assoc., Sept. '74.
5. Forensic Evaluation and Defense, by C. J. Abraham, Suffolk County Criminal Bar Assoc., 1975.
6. Used of Experts in Forensic Sciences, C. J. Abraham, Queens County Criminal Bar Assoc., Jan. 1976.
7. Adaptation of Testing Standards to Practical Requirements, C. J. Abraham & F.L. Ryder, Nat'l Symposium on Technical Standards in Products Liability Litigation, American Society for Testing & Materials, Toronto, Canada, May 5, 1977.
8. Hazards Relating to Hospital Procedures and Standards of Care, by C. J. Abraham & F.L. Ryder, *ibid*.
9. Safety Design in Plastic Sports Equipment, by C. J. Abraham & F.L. Ryder, Nat'l Technical Conference on Safety and Health with Plastics, Denver, CO., November 8, 1977.
10. Product Liability and Negligence Within the Hospital Environment, by C. J. Abraham, Nassau Bar Assoc. June, 1978.
11. The Law and Use of Videotaping Depositions, by C. J. Abraham, NY State Trial Lawyers Assoc., NYC, October 1978.
12. An Analysis of a Defective Product from the Manufacturer to the Consumer, by C. J. Abraham, NY State Trial Lawyers Assoc., *ibid*.
13. Product Liability & the Expert's Role, C. J. Abraham & F. L. Ryder, NY State Trial Lawyers Assoc.
14. The Importance of Discovery in Handling Cases Prior to the Deposition, by C. J. Abraham, John Jay College of Criminal Justice, NYC, March 27, 1979.
15. An Overview of Ford Transmissions from 1971-1979, by C. J. Abraham presented at the DOT's public proceeding, Aug. 21, 1980, on Initial Determination of a Safety Related Defect in Ford Vehicles with C-3, C-4, C-6, FMX and Jatco Transmissions, (NHTSA Proceedings).
16. Products Liability Aspects of Asbestos, presented to the Toxic Tort Section of the American Trial Lawyer's Association, Hilton Head, SC, October 1981.
17. Flammable Fabrics - A Critique, presented to NY State Trial Lawyers Association., October 23, 1982.
18. Explosion Accidents, by C. J. Abraham, *ibid*.
19. Labeling Liability in the Toxic Tort Case, by C. J. Abraham, et al., 1983 Annual Convention, Assoc. of Trial Lawyers of America, July 15-22, 1983, Washington, DC; Trial Lawyers Quart., Vol. 15, No. 4, 1983, NY State Trial Lawyers Assoc., pp.19-35; presented 5th Int'l Conf. on Toxic Products, San Francisco, CA, June 4, 1984.
20. Foreseeable Fire Hazards in Mobile Home Construction, C. J. Abraham, et al., Proc. 5th California Conf. on Product Toxicity, Vol. 5, 1984, pp. 68-72; presented to the 9th Int'l Conf. on Fire Safety, San

Francisco, CA, January 17, 1984.

21. Systems Safety Approach Relating to Fire Hazards in Mobile Homes, C. J. Abraham, Joint Meeting - Systems Safety Society and American Society of Safety Engineers, East Meadow, NY February 9, 1984.
22. Labeling Liability Standards and Household Products, C. J. Abraham, Joint Meeting-Systems Safety Society and American Society of Safety Engineers, East Meadow, NY, 2/9/84.
23. Warnings with Respect to Swimming Pools and Sports Equipment: Are They Effective?, C. J. Abraham, et al, NYS Trial Lawyers Assoc., NY, March 10, 1984.
24. Household Products - Drain Cleaners, C. J. Abraham, Product Defect Handbook, Lawyers Cooperative Publishing Company, Rochester, NY 1984.
25. Controlling Fires in Buildings and Products, C. J. Abraham, et al., 10th Int'l Conf. on Fire Safety, San Francisco, CA, 1985. (Paper presented by C. J. Abraham)
26. Product Toxicity - Warnings and Instructions, by C. J. Abraham, et al., Proc. 5th California Conf. on Product Toxicity, Vol. 5, 1985, pp. 25-48.
27. Fire Safety Aspects of Battery Explosions, C. J. Abraham, et al., 11th Int'l Conf. on Fire Safety, 1986 (San Francisco, CA).
28. Drain Cleaners - Warnings, C. J. Abraham, et al., Product Defect Handbook, Lawyers Cooperative Publishing Company, Rochester, NY, May, 1986.
29. Methylene Chloride: Toxicology, Detection and Tort Experience, C. J. Abraham, et al., 2nd Conference on Current Concerns on Toxicology, October 6-7, 1986 (San Francisco, CA).
30. Analysis of Standards and Testing of Fireman's Protective Clothing, C. J. Abraham, et al., 2nd Int'l Symposium on Performance of Protective Clothing sponsored by ASTM Committee F-23, American Industrial Hygiene Assoc., and the Royal Institute of Technology, Stockholm, Sweden. Jan. 1987, Tampa, FL.
31. State-of-the-Art Technology of Firemen's Protective Clothing, C. J. Abraham, et al., 12th International Conference on Fire Safety, January, 1987 (San Francisco, CA).
32. Liabilities in Sports and Recreational Accidents, C. J. Abraham, et al., Trial Lawyers Association of Metropolitan Washington, DC, April 7, 1987.
33. Assumption of Risk - Hockey Injuries, C. J. Abraham, et al., ASTM Symposium on SAFETY IN ICE HOCKEY, October 27, 1987 (Montreal, Canada); published in Safety in Ice Hockey, pp. 44-51, ASTM Publication Code Number (PCN) 04-01050-47, September, 1989.
34. The Forensic Implications of a Gasoline Spill Caused by a Leaking Underground Storage Tank, C. J. Abraham, et al., Int. Assoc. of Forensic Sciences, 11th Meeting, Aug. 2-7, 1987, (Vancouver, BC, Canada).
35. Mannequin Simulation Studies in the Flammability Evaluation of Garments, C. J. Abraham, et al. 13th Int'l Conference on Fire Safety, January 11-15, 1988 (San Francisco, CA).
36. A Protective Shield for Prevention of Battery Explosion Injuries, C. J. Abraham, et al., 13th International Conference on Fire Safety, January 11-15, 1988 (San Francisco, CA).
37. Battery Explosions - Cause and a Solution, C. J. Abraham, Presented to U.S. DOT National Highway Traffic Safety Administration, Washington, DC, February 19, 1988.
38. Automotive Battery Explosions-A Solution, C. J. Abraham, et al., SAFE Symposium, Las Vegas, December, 1988.
39. Methods of Controlling Lead-Acid Battery Explosions C.J. Abraham, International Conference on Fire Safety, 1988 San Francisco, CA
40. Design Criteria for Footwear and Functional Testing on Artificial and Natural Surfaces, C. J. Abraham, et al., ASTM Symposium on The Characteristics and Safety of Playing Surfaces (Artificial & Natural) for Field Sports, Phoenix, AZ, Dec. 6, 1988. ASTM STP1073 Publication, 1990.
41. Analysis of Standards and Testing for Firemen's Protective Clothing, C. J. Abraham, et al., Performance of Protective Clothing-Second Symposium, ASTM Pub. Code 04-989000-55, p. 422- 439.
42. Standards and Flammability Characteristics of Blankets and Sheets, C. J. Abraham, et al., 14th International Conference on Fire Safety, Jan. 9-11, 1989, San Francisco, CA.
43. Automobile Battery Explosions: A New Standard of Care, C. J. Abraham, et al., 46th Annual Belli Seminar, July 15, 1989, Boston, MA (The Melvin Belli Society).
44. Development of the International Standard for Aircraft Batteries, C. J. Abraham, et al., 1989 SAFE

Symposium, New Orleans, LA, December 5-8, 1989.

45. A New Standard of Care for Wearing Apparel, Blankets and Sheets, C. J. Abraham, et al., 15th International Conference on Fire Safety, January 8-10, 1990, San Francisco, CA.
46. Tracking the Source of a Gasoline Storage Tank Leak, C. J. Abraham, et al., The Society of Forensic Toxicologists, Huntington, NY, September 11-15, 1990.
47. Automotive Battery Explosions: A Solution, C. J. Abraham, Adelphi University Chemistry Faculty, Garden City, New York, October 1, 1990.
48. Flammable Fabrics: Populations at Risk - A Solution, C. J. Abraham, et al., Conference on Fire Safety and Thermal Insulation, Nov. 5-6, 1990, St. Petersburg, FL.
49. Flammable Fabrics: New Standards of Care for Populations at Risk, C. J. Abraham, et al., Textile Institute World Conference, Dundee, Scotland, November 19-22, 1990.
50. Flammable Fabrics: New Standards for Populations at Risk, C. J. Abraham, et al., Trial Lawyers Quarterly, Fall 1990, Vol. 21, No. 1.
51. Toxic Exposures in Industry: A Case Study, C. J. Abraham. American Chemical Society, Hofstra University, Hempstead, NY, December 6, 1990.
52. Flame Retardancy Technology and Standards for Wearing Apparel - A Time for Upgrading, C. J. Abraham, Conference on Recent Advances in Flame Retardancy of Polymeric Materials, Stamford, CT, May 14-16, 1991.
53. Technical Investigations for the Claims Adjustor, C. J. Abraham, Akron Claims Assoc, Akron, OH, February 12, 1992.
54. A Critique of Ice Hockey Equipment and Facilities, C. J. Abraham and J. P. Doolan, 2nd International Symposium on Safety in Ice Hockey sponsored by ASTM Committee FO8 on Sports Equipment & Facilities, F.08.15 on Ice Hockey and The Hockey Equipment Certification Council, Pittsburgh, PA, May 20-21, 1992.
55. Battery Explosions - Status and Solutions, C. J. Abraham, International Electronics Council, 56th IEC General Meeting, September 29, 1992, World Trade Center, Rotterdam, The Netherlands.
56. Protection Of The Manufacturer, Or Protection Of The Consumer, C. J. Abraham, 5th Fire Safety Conference, Clarion Plaza Hotel, Orlando, FL, Feb. 15-17, 1993 (Session Chairman: Fire Risk Assessment/Training).
57. The Flammable Fabrics Act: An Unreasonably Dangerous Act, C. J. Abraham, Standards Engineering, May/June, 1993, pp. 1 & 3-7 (Presented at the Belli Seminar, July 31, 1993, San Francisco, CA).
58. Death In The Campgrounds, A Forensic Investigation, C. J. Abraham, et al., Canadian Society of Forensic Science and the Association of Official Analytical Chemists (Mid-Canada Regional Section), Winnipeg, Manitoba, September 8-11, 1993.
59. The Forensic Investigations of Death In The Campgrounds, C. J. Abraham, S.O.F.T/C.A.T 1993 Joint Meeting, Phoenix, Arizona, October 10-16, 1993.
60. The Flammable Fabrics Act: An Unreasonably Dangerous Act, C. J. Abraham, Trial Lawyers Quarterly, Vol. 23, No. 4, Summer 1993.
61. Tent Design-The Hidden Dangers, C. J. Abraham, et al., 6th Fire Safety Conf./Exhibition, Orlando, FL, Feb 14-16, 1994. (Session III Chairman, Fire Risk Assessment/Training).
62. Tent Design- The Hidden Dangers, C. J. Abraham, et al., 1994 Annual BCC Conference, Recent Advances in Flame Retardancy of Polymeric Materials, Stamford, Connecticut, May 24-26, 1994.
63. Linseed Oil - A Hazardous But Necessary Ingredient?, C. J. Abraham, et al, 1994 Annual BCC Conference, Stamford, Connecticut, May 24-26, 1994.
64. Chemical Safety and the Law, C. J. Abraham, American Chemical Society (Long Island Subsection), Hofstra University, Hempstead, New York, March 9, 1995.
65. Recommended Design Factors For The Ideal Sports Sneaker, C. J. Abraham, et al., Conference on Textiles in Sports and Sportswear, The University of Huddersfield, Queensgate, Huddersfield, Great Britain, April 10-11, 1995.
66. Tent Fabric - Design Defects and Recommended Solutions, C. J. Abraham, et al., Conference on Textiles in Sports and Sportswear, The University of Huddersfield, Queensgate, Huddersfield, Great Britain, April 10-11, 1995.
67. A Solution To Spontaneous Combustion in Linseed Oil Formulations, C. J. Abraham, International Conference on Fire Retardant Polymers, 5th European Conference, University of Salford, Salford,

England, Sept. 4-7, 1995.

68. A Solution to Spontaneous Combustion In Linseed Oil Formulations,: C. J. Abraham, Adelphi University, Department of Chemistry, Garden City, New York, October 19, 1995.
69. A Solution To Spontaneous Combustion in Linseed Oil Formulations, C. J. Abraham, Polymer Degradation and Stability, Elsevier Applied Science, Vol. 54, 1996.
70. The Flammable Fabrics Act: Legal and Technical Analysis, C. J. Abraham, Hispanic National Bar Association 1996 Convention, Miami, Florida, October 3-5, 1996.
71. A Viable Product vs. The Legal System, C. J. Abraham, Safety In Ice Hockey, Third International Symposium, Sponsored by ASTM and supported by HECC and USA Hockey, May 4-5, 1997, St. Louis, Missouri, Session Chairman of Session VII, May 5, 1997.
72. A Viable Product vs. The Legal System, C. J. Abraham, Connecticut Bar Association, New Haven, Connecticut, May 15, 1997. (presentation)
73. Enhancing the Flame Retardancy of Natural and Natural-Polymer Fibers, C. J. Abraham, World Textile Congress on Natural and Natural Polymer Fibers, The University of Huddersfield, Huddersfield, England, July 9-11, 1997.
74. A Solution to Prevent Spontaneous Combustion in Linseed Oil Formulations; C. J. Abraham, 6th European Meeting on Fire Retardancy of Polymeric Material, Lille, France, Sept. 24-26, 1997.
75. Reduced Flammability Fibers, C. J. Abraham, World Textile Congress on Industrial, Technical & High Performance Textiles, The University of Huddersfield, Huddersfield, England, July 15 & 16, 1998.
76. Reduced Flammability Fibers, C. J. Abraham, Seventh International Symposium on Performance of Protective Clothing Issues and Priorities for the 21st Century, June 28-30, 1999, Seattle, WA.
77. A Viable Product vs. The Legal System, C. J. Abraham, Trial Lawyer's Quarterly, 2001
78. Site Monitoring, C. J. Abraham, Emergency Preparedness and Response, Educational Program Innovations Center, Toronto, Canada, February 6, 2001 (presentation).
79. Hazard Communication-Manufacturer, Importer, Distributor, Employer and Employee, C. J. Abraham, Emergency Preparedness and Response, Educational Program Innovations Center, Toronto, Canada, February 6, 2001 (presentation).
80. Characteristics of Hazardous Materials, C. J. Abraham, Storage and Handling of Hazardous Materials, Educational Program Innovations Center, Toronto, Canada, March 20, 2001.
81. Fire Protection, C. J. Abraham, Storage and Handling of Hazardous Materials, Educational Program Innovations Center, Toronto, Canada, March 21, 2001
82. A New Standard Of Care In Absorbing And Dissipating Forces, C. J. Abraham, Fourth International Symposium On Safety In Ice Hockey, May 5-6, 2002, Pittsburgh, Pennsylvania.
83. Correcting The Flaws In The Flammability Testing Of Woven And Knitted Apparels, C. J. Abraham and Sanjeev Gandhi, International Conference on Textiles, Manchester, England, October 5-6. 2002.
84. Correcting The Flaws In The Flammability Testing Of Textiles, C. J. Abraham and Sanjeev Gandhi, The 3rd International Conference on Safety & Protective Fabrics, Charlotte Convention Center, Charlotte, N.C., Oct. 23-24, 2002.
85. Environmental Forensic Techniques - The Investigator/Scientist - An Overview, Abraham, C. J., Conference on Environmental Litigation: Advanced Forensics And Legal Strategies, EPIC Educational Program Innovations Center, Toronto, Canada, Nov. 19-20, 2002.
86. Product Safety-Product Liability and Torts, C. J. Abraham, Glasgow School of Law, Glasgow, Scotland, March 16, 2004.
87. Reducing the Impact Force on Hockey Helmets, C. J. Abraham, Safety & Protective Committee, USA Hockey 2005 Annual Congress, Miami, FL, January 19, 2005.
88. Subdural Hematoma and the Sport of Hockey: A Case Study, C. J. Abraham, Safety & Protective Committee, USA Hockey 2006 Annual Congress, Miami, FL, January 20, 2006.
89. Risk Analysis in Product Design, Columbia University, School of Engineering, New York, March 31, 2009; C. J. Abraham
90. Risk Analysis of Horizontal Ladders Above Another Playground Activity, ASTM, Tampa, Florida, January 29, 2008.
91. The Design Criteria for a Safe Design of Products, Columbia University, Department of Mechanical Engineering, (Seniors & Masters Class), NYC, February 12, 2008.
92. Risk Analysis in Product Design, Columbia University, Department of Mechanical Engineering, New

York, March 31, 2009; C. J. Abraham

93. Points of Law Associated with Mechanical Engineering and Designing Products, C. J. Abraham, Columbia University School of Mechanical Engineering, November 3, 2009
94. Your Body Is Nothing Without A Brain, C. J. Abraham, Forensic Examiner, Spring Issue, 2011, pp. 109-113.
95. Mechanical Engineering: The Product & The Law, C. J. Abraham, Columbia University School of Engineering, Department of Mechanical Engineering, March 24, 2011 (Seminar)
96. Concussions, Head Injuries and the Textile Industry, C. J. Abraham, The Textile Institute in Manchester, UK, November 30, 2011 (International Conference)
97. Concussions and Head Injuries in Soccer, C. J. Abraham. Testimony before the Senate and Congressional Representatives of the Commonwealth of Massachusetts, Committee on Education
98. Concussions and Head Injuries - interview on Mind Games Radio in St. Louis, Missouri on November 5, 2011.
99. Concussions, Head Injuries and The Textile Industry, C. J. Abraham, The Textile Institute, Managing Innovation in Textiles, Manchester, United Kingdom on November 30, 2011.
100. US Youth Soccer Workshop , February 16-18, 2012, at the Hynes Convention Center in Boston, Mass. Head Injuries and Concussions
101. Propellant Systems for Household Spray Products , C. J. Abraham, American Institute of Chemical Engineers, Houston Texas, April 2, 2012.
102. Sub-Concussive Head Impacts in Soccer and a Method for Significantly Reducing and Dissipating Those Forces, Abraham, C. J. and Abraham, S. R., presented at the ASTM International Symposium on the Mechanism of Concussion in Sports, November 13, 2012, Atlanta, Georgia.
103. Sub-Concussive and Concussive Head Impacts in Soccer and a Method for Significantly Absorbing, Reducing and Dissipating Those Forces, C. J. Abraham, Expo Soccer, Montreal, Canada, March 31, 2013.
104. Concussive and Sub-Concussive Brain Injuries in Soccer, C. J. Abraham, 2013 Soccer Expo, Lake Tahoe, Nevada, April 12, 2013
105. Facts, Myths and Misconceptions in Concussive and Sub-Concussive Brain Injuries, C. J. Abraham, Lake Tahoe, Nevada, April 13, 2013
106. Failure Analysis of a PVC Bottle Containing a Fire Starter Gel Designed for Wood and Wood Pellet Stoves, C. J. Abraham, Columbia University School of Engineering, Department of Mechanical Engineering, October 15, 2013 (Graduating Senior Seminar).
107. Structural Forensic Engineering: Using Forensic Engineering Information in Litigation, C. J. Abraham, HalfMoon Education, Nashville, TN January 22, 2014
108. Structural Forensic Engineering: Understanding the Forensic Engineering Process, C. J. Abraham, HalfMoon Education, Nashville, TN January 22, 2014
109. Determining The Liability of a Fire Starting Product, C.J. Abraham, 2014 AIChE Spring Meeting, New Orleans, LA, April 1, 2014
110. Total Fog Release Chemical Products: The Hidden Dangers and Enhanced Risks, C.J. Abraham, AIHce (American Industrial Hygiene - Conference and Exposition) 2014, San Antonio, TX June 5, 2014
111. A Brief Outline of Tort Law and the Mechanical Engineer, C.J. Abraham, The City Univ. of New York, (CUNY), Department of Mechanical Engineering, New York, October 21, 2014
112. A Brief Outline of Tort Law and the Mechanical Engineer, C.J. Abraham, Columbia University, Department of Mechanical Engineering, New York, October 23, 2014
113. The Mechanical Engineer & Consumer Product Design Safety Requirements & The Law, C.J. Abraham, Columbia University, Department of Mechanical Engineering, two hour seminar for all of the graduating seniors in mechanical engineering, New York, NY, November 5, 2015.
114. The Mechanical Engineer & Consumer Product Design Safety Requirements & The Law, C.J. Abraham, City College of New York (CUNY), Department of Mechanical Engineering, two hour seminar for all of the graduating seniors in mechanical engineering, New York, NY, November 12, 2015.
115. University of the Pacific presentations to faculty and graduate students in (a) Chemistry & Chemical Engineering, (b) Coaching Sports & Recreational Activities (c) Challenged, handicapped activities and learning (e) Opportunities by applying various aspects of learning through experience, education and work ethic. (f)Entrepreneurial endeavors, C.J. Abraham, February 9 & 10, 2016.

116. Chemistry & Alternative Career Opportunities, C.J. Abraham, 44th ACS Middle Atlantic Regional Meeting The College of St. Vincent, Riverdale, New York, June 10, 2016 (2 hour presentation)
117. Brain Injuries in Recreational & Competitive Basketball, C. J. Abraham, 125th AAU National Convention in San Antonio, Texas, October 13, 2016
118. The Mechanical Engineer & Product Design Safety, Risk Analysis & The Law, C.J. Abraham, Manhattan College School of Engineering, October 18, 2016
119. Product Designs, Risk Analysis & Standards, The Legal Responsibilities of Mechanical Engineers, C.J. Abraham, Columbia University, Department of Mechanical Engineering, November 10, 2016
120. The Law & Mechanical Engineering Responsibilities, C.J. Abraham, Manhattan College Department of Mechanical Engineering, January 24, 2017
121. The Law & Mechanical Engineering Responsibilities, C.J. Abraham, Columbia University Department of Mechanical Engineering, January 26, 2017
122. Engineering Designs & The Mechanical Engineer: Responsibilities of the Engineer in the Design of Products for Consumer and Industrial Applications, C. J. Abraham, Columbia University, Department of Mechanical Engineering, September 28, 2017
123. Engineering Designs & The Mechanical Engineer: Responsibilities of the Engineer in the Design of Products for Consumer and Industrial Applications, C. J. Abraham, Manhattan College Department of Mechanical Engineering, October 17, 2017
124. Industrial Accidents, Types and Causes Integrating Mechanical Engineering and The Law, C.J. Abraham, Columbia University, Department of Mechanical Engineering, October 19, 2017
125. The Most Common Indoor Volleyball Injuries and the Non-Delegable Responsibilities of Coaches, Schools and Leagues with Reference to the Safety and Welfare of Players, C. J. Abraham, 2017 American Volleyball Coaches Association, Kansas City, Kansas, December 16, 2017
126. Engineering Designs & The Mechanical Engineer (Part I): Responsibilities of the Engineer Involved in the Design of Products for Consumer and Industrial Applications, C. J. Abraham, Columbia University, Department of Mechanical October 11, 2018
127. Engineering Responsibilities & The Mechanical Engineer (Part II): Responsibilities of the Engineer Involved in the Design of Products for Consumer and Industrial Applications, C. J. Abraham, Columbia University, Department of Mechanical Engineering, October 23, 2018