

Jason L. Hertzberg, Ph.D., P.E.
Corporate Vice President, Principal Engineer, and Practice Director

Professional Profile

Dr. Jason L. Hertzberg is a Corporate Vice President, Principal Engineer, and the Director of Exponent's Mechanical Engineering practice. Dr. Hertzberg has extensive experience solving complex technical problems in a variety of industries including consumer products, medical devices, industrial equipment and systems, and technology product development.

He often works with companies addressing the technical aspects of product recalls as well as interacting with the Consumer Product Safety Commission (CPSC). His consumer product work includes targeted testing and analysis of new products before they are introduced into the marketplace, management of product and process changes during the course of production, use of risk methodologies, substantiation of product performance claims, failure analysis of field-returned products, consumer product recall related investigations, evaluation of proposed correction action plans (CAP) as part of the consumer product recall process, and product liability.

Specifically, Dr. Hertzberg has led recall related investigations for a wide range of products including: children and infant toys, child care products, strollers, sporting equipment, videogame accessories, gas and water valves, ladders, various kitchen appliances, furniture and seating products, air purification units, water coolers, fans, lighting fixtures and handheld lighters, battery operated and plug-in consumer electronics, air compressors, footwear, holiday lighting and decorative products, candles and scented products, automobile accessories, food contamination (associated with foreign materials), food and product dispensers, and medical diagnostic equipment.

Dr. Hertzberg performs failure analysis investigations and addresses issues related to the mechanical behavior and degradation of materials including metal, polymer, and welded components. He has expertise in the areas of materials characterization, fatigue, fracture, corrosion, stress corrosion cracking (SCC), hydrogen embrittlement, and creep.

He also has a strong background in mobile computing with extensive experience with handheld/wireless device technologies and substantiation of claims, having served as the Director of Competitive Analysis and Strategy for Palm, Inc.

Academic Credentials and Professional Honors

Ph.D., Materials Science and Engineering, University of Michigan, 1997
M.S.E., Materials Science and Engineering, University of Michigan, 1993
B.S., Metallurgical Engineering, Pennsylvania State University, 1991

Tau Beta Pi Engineering Honor Society; Alpha Sigma Mu Society; University Scholars Program, Pennsylvania State University; Benton Fellowship, University of Michigan; E.F. Schulze Metallurgy Scholarship, Pennsylvania State University; Miller Scholarship, College of Earth and Mineral Sciences, Pennsylvania State University; Harmon Award in Metallurgy, Pennsylvania State University

Licenses and Certifications

Registered Professional Metallurgical Engineer, California, #MT 1925

United States Patent Applications

Patent Application: Portable Wireless Network, submitted by Palm, Inc. (Foley & Lardner), filed 2007 (with M. Boyer, G. Peacock, D. Anderson, R. Karstens, R. Robertson, D. Kammer, K. Comstock, Y. Wong, and S. Lemke).

Patent Application: Multipurpose, One-Handed Navigation with Simultaneous Power on and Application Launch, submitted by Palm, Inc. (Wagner, Murabito & Hao, LLP), April 2002 (with A. Ting).

Patent Application: System and Method for Crediting an Account Associated with a Network Access Node, submitted by Palm, Inc. (Foley & Lardner) (with K. Comstock, Y. Wong, and S. Lemke).

Publications (excluding all Exponent FaAA work product)

Grabowski, G, Hertzberg JL. Avoiding and managing product recalls. Risk Management Magazine, November 2007; pgs 12–17.

Hertzberg JL. Consumer product recalls—An engineering perspective. For the Defense Publication, Product Liability Committee's Collection, December 2005.

Hertzberg JL, Was GS. Isolation of carbon and grain boundary carbide effects on the creep and IGSCC behavior of Ni-16Cr-9Fe-xC alloys in 360° C primary water. Metallurgical and Materials Transactions A 1998; 29A:1035–1046, March.

Hertzberg JL. The roles of carbon and grain boundary carbides on the intergranular stress corrosion cracking behavior of Ni-16Cr-9Fe-xC alloys at 360°C. Ph.D. Dissertation, University of Michigan, April 1997.

Hertzberg JL, Was GS. The role of carbon on the grain boundary diffusivity of Ni-16Cr-9Fe alloys. Scripta Metallurgica 1995; 33(8):1193–1199, 1995.

Presentations and Published Abstracts

Hertzberg JL. Product recall investigations. The ASQ 2011 Annual Product Safety and Liability Prevention Conference, Brookfield, WI, November 16, 2011.

Hertzberg JL. Stopping the timer before the bomb goes off: Crisis Prevention through effective risk identification and evaluation. DRI Product Liability Conference, New Orleans, LA, April 6, 2011.

Hertzberg JL. Product recalls: Are they necessary? ICPHSO 2011 Annual Meeting and Training Symposium, Orlando, FL, February 23, 2011.

Hertzberg JL, Schoem A. Compliance with the Consumer Product Safety Improvement Act. DRI Product Liability Conference, Las Vegas, NV, April 2010.

Hertzberg JL. Design Safety and Risk Assessment Panel. International Consumer Product Health and Safety Organization (ICPHSO), Washington, D.C., February 2010.

Hertzberg JL. Engineering approach to recall investigations. Invited talk, Stericycle Product Safety Seminar, Chicago, IL, January 2010.

Arndt S, Hertzberg JL. An overview of the Consumer Products Safety Improvement Act. 21st Annual Product Liability Conference, Madison, WI, September 22–24, 2009.

Hertzberg JL, Goldberg N, Stitcher K, Reynolds K, Wilson D. Manufacturer risk prevention panel—Product recalls. DRI Products Liability Conference, San Diego, CA, April 2009.

Hertzberg JL. Consumer products—The front end and back end. Invited Talk, Special Product Safety and Liability Conference, CPSIA 2008, International Product Safety and Liability Prevention, Chicago IL, March 11, 2009.

Hertzberg JL, Schoem A, Brown M, Schmeltzer D, Adler R. Moderator for Panel “Discussion of CPSC Enforcement Efforts Post-CPSIA.” International Consumer Product Health and Safety Organization Conference, Orlando, FL, February 2009.

Hertzberg JL. Consumer product recalls. Presented at the 2008 PLRB/LIRB Central Regional Adjusters Conference, Des Moines, IA, September 9–10, 2008.

Hertzberg JL. Invited Speaker at Indianapolis IN Law Firm “Consumer Product Recalls,” June 2008.

Hertzberg JL. Invited Speaker for Panel “Safe Design/Manufacturing of Products,” International Consumer Product Health and Safety Organization (ICPHSO) Midwest Seminar, Oak Brook, IL, May 2008.

Hertzberg JL. Approaches to risk management. International Consumer Product Health and Safety Organization (ICPHSO) 15th Annual Meeting and Training Symposium, Washington, DC, February 2008.

Hertzberg JL. Recall Preparedness Panel. International Consumer Product Health and Safety Organization (ICPHSO) 14th Annual Meeting and Training Symposium, Orlando, FL, February 2007.

Hertzberg JL. Product recalls—An engineering perspective. 2006 Annual Product Safety and Liability Conference, Milwaukee WI, July 2006 (Invited); McAngus, Goudelock & Courie and Goodman, McGuffey, Lindsay & Johnson Litigation Continuing Education Seminar, Atlanta GA, May 2006 (Invited); Cleveland OH Law Firm Seminar April 2006 (Invited); North Carolina Association of Defense Attorneys (NCADA) 28th Annual Meeting, Hilton Head, SC, June 2005.

Hertzberg JL. Nanotechnology characterization techniques. Annual American Bar Association (ABA) Meeting, Nanotechnology Committee Meeting, Atlanta, GA, August 6, 2004.

Hertzberg JL. Litigating the Titanic. Ohio Association of Civil Trial Attorneys (OACTA), Trial Advocacy Program, Columbus, OH, April 2, 2004.

Hertzberg JL. Reverse engineering for nanotechnology. IP Strategy For Nanotechnology Pre-Conference Workshop, NanoCommerce2003, Chicago, IL, December 8–11, 2003.

Hertzberg JL. Surviving and thriving among giants. Consumer Electronics Association (CEA) Industry Forum, Carlsbad, CA, October 13–15, 2003.

Hertzberg JL. Practical IP issues in nanotech—Big tools for small stuff. NanoCoatings Intellectual Property Landscape Conference, Chicago, IL, June 2003.

Hertzberg JL. Survivor—The future of mobile computing. Comdex Fall Conference, Las Vegas, NV, 2001.

Hertzberg JL. The Effect of carbon distribution on the IGSCC behavior of controlled purity Ni-16Cr-9Fe and commercial alloy 600 in 3 60°C primary water. Presentation, 8th International Symposium on Environmental Degradation of Materials in Nuclear Power Systems—Water Reactors 1997, Amelia Island Plantation, FL, August 1997.

Hertzberg JL, Lian K, Was GS. The effect of carbon distribution on the IGSCC behavior of controlled purity Ni-16Cr-9Fe and commercial alloy 600 in 3 60°C primary water. 8th International Symposium on Environmental Degradation of Materials in Nuclear Power Systems—Water Reactors, Amelia Island, FL, 1997.

Hertzberg JL. The roles of carbon and grain boundary carbides on the IGSCC behavior of Ni-16Cr-9FeC alloys in 3 60°C primary water. Invited Lecture, Lehigh University, Bethlehem, PA, May 1997.

Hertzberg JL, Was GS, Paraventi DJ. Mechanisms of environmentally enhanced deformation and intergranular cracking of Ni-16Cr-9Fe alloys. EuroCorr '96 Conference, France, 1996.

Hertzberg JL, Was GS, Thaveeprungsriporn. Effects of grain boundary composition and structure on IGSCC of Alloy 600. Proceedings, Experts Meeting on Improving the Understanding and Control of Corrosion on the Secondary Side of Steam Generators, Airlie, VA, 1995.

Hertzberg JL. The effect of carbon distribution on the deformation and cracking behavior of Ni-16Cr-9Fe Alloys at 360°C. Presentation, 7th International Symposium on Environmental Degradation of Materials in Nuclear Power Systems—Water Reactors 1995, Breckenridge, CO, August 1995.

Hertzberg JL, Was GS. The effect of carbon distribution on the deformation and cracking behavior of Ni-16Cr-9Fe alloys at 360°C. 7th International Symposium on Environmental Degradation of Materials in Nuclear Power Systems-Water Reactors, Breckenridge, CO, 1995.

Hertzberg JL, Thaveeprungsriporn V, Angeliu TM, Was GS. Grain boundary deformation of Ni-Cr-Fe-C at 360°C. 6th International Symposium on Environmental Degradation of Materials in Nuclear Power Systems—Water Reactors, 1993.

Hertzberg JL, Angeliu TM, Thaveeprungsriporn V, Was GS. The effect of chromium and carbon on the intergranular cracking of Ni-Cr-Fe-C Alloys at 360°C. TMS Fall Meeting, Chicago, IL, 1992.

Book Chapters

Hertzberg JL. Product Recalls: An Engineering Perspective. Chapter 12. In: The International Comparative Legal Guide to: Product Liability 2011. Global Legal Group: London, UK, 2011.

Hertzberg RW, Hertzberg JL. Creep fracture micromechanisms. In: Deformation and Fracture Mechanics of Engineering Materials, Section 5.8. John Wiley and Sons, Inc., New York, NY, 1996.

Radio and Television

Tech TV, The Competitive Landscape of Handheld Computing, 2002.

CNET Radio, The Future of Mobile Computing, 2002.

Bunting's Window (in-flight video), The Many Advantages of Palm Handhelds, 2001.

Prior Experience

Director of Competitive Analysis, Palm, Inc., 2000–2002

Professional Affiliations

- National Association of Corrosion Engineers (member)
- ASM-TMS (Joint member)
- ANSI-NSP (Nanotechnology Standards Panel)
- International Consumer Product Health and Safety Organization (ICPHSO) Strategic Planning Group (member)