

**RUSTON M. HUNT**  
CURRICULUM VITAE

**ADDRESS**

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**PROFESSIONAL INTERESTS**

Human factors and systems engineering  
Design and evaluation of warnings and instructions  
Design and evaluation of human-product interfaces

**EDUCATION**

BS Industrial Engineering University of Illinois, 1978  
MS Industrial Engineering, University of Illinois, 1979  
PhD Mechanical Engineering, University of Illinois, 1981

**PROFESSIONAL POSITIONS**

2018 – Present Associate Professor Emeritus, Systems Engineering, Kennesaw State University, Georgia

2015 – 2017 Assistant Dean of Engineering and Associate Professor of Systems and Industrial Engineering, Kennesaw State University, Kennesaw, Georgia

Responsible for accreditation of all engineering and engineering technology programs at Kennesaw State University. Also teach graduate and undergraduate level courses in Systems Engineering, Quality Assurance and Industrial Engineering. Courses taught include Systems Analysis and Design, Human Machine Systems, Statistics, Human Factors of Quality, Process Improvement and Total Quality Management.

- 2015 – 2015 Associate Vice President for Research, Kennesaw State University, Kennesaw, Georgia
- Responsible for development, coordination and administration of externally funded research grants in the areas of applied sciences, engineering, engineering technology, computer science, software engineering and information technology. Responsible for identifying opportunities to develop, protect and market intellectual property across the university. Serve on the Board of Directors of the Kennesaw State University Research and Service Foundation (KSURSF).
- 2011 - 2017 Chief Operating Officer, Southern Polytechnic Applied Research Corporation (SPARC), Marietta, Georgia
- Responsible for day-to-day operations of the university research foundation including development and contract administration of externally funded research grants, sponsored programs, English language classes and continuing education.
- 2008 – 2014 Dean, Extended University, Southern Polytechnic State University, Marietta, Georgia
- Responsible for development, coordination and administration of externally funded research grants, sponsored programs, eCore classes and continuing education for the university. Responsible for teaching graduate and undergraduate level courses in the Industrial Engineering Technology Department. Courses include Human Factors Engineering, Systems Engineering, and Statistics.
- 2007 – 2008 Director, Southern Polytechnic Applied Research Center, Southern Polytechnic State University, Marietta, Georgia
- Responsible for development, coordination and administration of externally funded research grants and sponsored programs for the university. Responsible for teaching graduate and undergraduate level courses in the Industrial Engineering Technology Department. Courses include Human Factors Engineering, Systems Engineering, and Statistics.
- 2006 – 2007 Department Chair, Industrial Engineering Technology, Associate Professor and Systems Engineering Program Coordinator, Southern Polytechnic State University, Marietta, Georgia
- Responsible for management of the Industrial Engineering Technology Department with undergraduate programs in Industrial Engineering Technology, Systems Engineering and Apparel Textile Technology and graduate programs in Systems Engineering and Quality Assurance.

- 2003 - 2005      Assistant Professor and Systems Engineering Program Coordinator, Southern Polytechnic State University, Marietta, Georgia
- Responsible for teaching graduate and undergraduate level courses in the Industrial Engineering Technology Department. Courses include Human Factors Engineering, Systems Engineering, Statistics and Total Quality Management. Also responsible for the Systems Engineering curriculum, scheduling classes and managing faculty and staff.
- 2002 - Present    President, RM Hunt, Ltd., Peachtree Corners, Georgia
- Provide human factors based analysis, evaluation and design of consumer and industrial products and processes. Clients range from propane and natural gas providers to recreational equipment manufacturers. Specific activities have included design and development of instructions and warning information as well as post-accident analysis of instructions and warnings in support of litigation. Invited speaker at national meetings including the Defense Research Institute, National Ski Area Association, Association of Ski Area Defense Attorneys, AEGIS Claims Seminar, Propane Gas Defense Association and others.
- 1996 - 2002      President and CEO, Search Technology, Norcross, Georgia
- Responsible for corporate wide planning and management. Technical activities include human factors consulting, expert witness testimony in human factors, software system design and development, program management, and review of all program deliverables. Frequent speaker at short courses, conferences and seminars including the Institute of Continuing Legal Education in Georgia (ICLEG) and the Association of Insurance Subrogation Specialists.
- 1988 - 1995      President and Senior Scientist, Search Technology, Norcross, Georgia
- Responsible for corporate wide planning and management. Technical activities include program management, review of all program deliverables, consulting and expert witness testimony in human factors.
- 1980 -1987      Vice President and Senior Scientist, Search Technology, Norcross, Georgia
- Conduct and manage research in the areas of design and evaluation of computer-based operator aids. The research results are applied in the form of consulting services to commercial clients. Experience ranges from nuclear power plant control rooms to shipboard computerization of non-tactical operations.
- Also responsible for management of software engineering and marketing.

- 1981-1982      Assistant Professor, Georgia Institute of Technology, Atlanta, Georgia
- Responsible for research and teaching in the area of man-machine systems and human factors. Specific interests in the areas of human behavior in fault diagnosis tasks and fault diagnosis training.
- 1978-1981      Research Assistant, University of Illinois Coordinated Science Laboratory, Champaign-Urbana, Illinois
- Responsible for designing and conducting experiments involving computer based training, computer simulations and human subjects. Activities involved computer programming in BASIC, FORTRAN, and Pascal as well as statistical analysis and interpretation of results using the International Mathematics and Statistics Library (IMSL). This research was funded by the Army Research Institute. Also taught adult education classes in programming microcomputers.
- 1977-1978      Industrial Engineer, Kraft Foods, Champaign, Illinois
- Responsible for large distribution warehouse layout and organization of products for shipping. Established a forklift maintenance program for scheduling preventative maintenance and monitoring corrective maintenance.
- 1977-1977      Teaching Assistant, University of Illinois Mechanical Engineering Department, Champaign-Urbana, Illinois
- Taught an introductory course on manufacturing processes which included hands-on demonstrations of large metal cutting machinery and lectures on analytic tools for use in the manufacturing domain.

## **PROFESSIONAL ASSOCIATIONS**

Member, Human Factors and Ergonomics Society  
Member, Product Stewardship Society  
Past Member, International Council on Systems Engineering  
Past Member, American Society for Engineering Education  
Past Member, American National Standards Institute  
Past Member, National Safety Council  
Past Member, National Fire Protection Association  
Past Member, IEEE Systems, Man, and Cybernetics Society  
Past Member, American Institute of Industrial Engineers

## **ELECTED OFFICES**

1982-1983      Secretary, IEEE Systems, Man, and Cybernetics Society

## CERTIFICATIONS

- Boating Safety Certification – NASBLA Approved, June 4, 2019
- 10-Hour OSHA Hazard Recognition Training for General Industry, May 18, 2017.
- Forklift Certification (OSHA) Class I – VII. Atlanta Technical College, April 29, 2017.
- RTK – Globally Harmonized System Training – Kennesaw State University, Sep. 23, 2015.

## PUBLICATIONS

- Hunt, R.M. (2016). You'll Shoot Your Eye Out. Proceedings of the DRI Fire Science and Litigation Seminar, Scottsdale, Arizona.
- Herring Gas Company (2005). Read, Share, and Keep. Herring Gas Company Safety Booklet. (Note: Served as technical consultant, editor and member of a team that authored this item under contract with Herring Gas Company.)
- Hunt, R.M. (1998). Yes They Can! Websites that Provide More than Information. *Competitive Edge!* July/August. Norcross, Georgia.
- Hunt, R.M. (1997). Where in the World is the World Wide Web Headed in 1997? *Competitive Edge!* March/April. Norcross, Georgia.
- Rouse, W.B., & Hunt, R.M. (1991). Transitioning advanced interface technology from aerospace to manufacturing applications. *International Journal of Industrial Ergonomics*.
- Phillips 66 Company (1991). Safety and Warning Information Booklet for Propane Users. (Note: Served as project manager, editor and member of a team that authored this item under contract with Phillips 66 Company.)
- Hunt, R.M. (1987). The difficulties of design problem formulation. In W.B. Rouse and K.R. Boff (Eds.), *System Design: Behavioral Perspectives On Designing Tools, and Organizations*. New York, New York: Elsevier Publishing.
- Hunt, R.M., & Frey, P.R. (1987). Knowledge-aided display design (KADD) system: An evaluation. *Proceedings of the Human Factors Society 31st Annual Meeting*, New York, New York.
- Hunt, R.M., & Maddox, M.E. (1986). A practical method for designing human-machine system interfaces. *Proceedings of the 1986 IEEE International Conference Systems, Man, and Cybernetics*, Atlanta, Georgia.
- Hunt, R.M. (1985). Human factors of intelligent computer aided display design. *Proceedings of the First Annual Aerospace Applications of Artificial Intelligence Conference*, Dayton, Ohio.
- Hunt, R.M., & Rouse, W.B. (1984). A fuzzy rule-based model of human problem solving. *IEEE Transactions on Systems, Man, and Cybernetics*, 14(1).
- Rouse, W.B., & Hunt, R.M. (1984). Human problem solving in fault diagnosis tasks. In W.B. Rouse (Ed.), *Advances in Man-Machine Systems Research*. Greenwich, CT: JAI Press.

- Frey, P.R., Sides, W.H., Hunt, R.M., & Rouse, W.B. (1983). *Computer-generated display system guidelines, Vol. I: Display Design*. Palo Alto, CA: Electric Power Research Institute.
- Hunt, R.M. (1982). A fuzzy rule-based model of human problem solving. *1982 Proceedings of the American Control Conference*. Washington, D.C.
- Hunt, R.M. (1982) Rule based models of human control of dynamic processes. *Proceedings of 1982 IEEE International Conference on Cybernetics and Society*. Seattle, WA.
- Hunt, R.M. (1981). Characterizing the development of expertise in fault diagnosis tasks. *1981 Proceedings of the IEEE International Conference on Cybernetics and Society*. Atlanta, Georgia.
- Hunt, R.M., & Rouse, W.B. (1981). Problem solving skills of maintenance trainees in diagnosing faults in simulated powerplants. *Human Factors*, 23(3).
- Rouse, W.B., & Hunt, R.M. (1981). A fuzzy rule-based model of human problem solving in fault diagnosis tasks. *1981 Proceedings of the Eighth Triennial World IFAC Conference*. Kyoto, Japan.

## TECHNICAL REPORTS

- Johnson, W.B., Norton, J.E., Duncan, P.C., & Hunt, R.M. (1988). *Development and demonstration of microcomputer intelligence for technical training (MITT) phase 1 final report* (AFHRL Tech. Rep.). Brooks AFB, TX: Air Force Human Resources Laboratory.
- Hunt, R.M. (1981). *Human pattern recognition and information seeking in simulated fault diagnosis tasks*. (Report No. T-110, Ph.D. Thesis). Coordinated Science Laboratory, University of Illinois, Urbana, Illinois.
- Rouse, W.B., Rouse, S.H., Johnson, W.B., & Hunt, R.M. (1980). *Human decision-making in computer-aided fault diagnosis* (Report No. 431). Arlington, Virginia: U.S. Army Research Institute for the Behavioral and Social Sciences.
- Hunt, R.M. (1979). *A study of transfer of problem solving skills from context-free to context-specific fault diagnosis tasks*. (Report No. T-82, M.S. Thesis). Coordinated Science Laboratory, University of Illinois, Urbana, Illinois.

## PRESENTATIONS

- Warnings: When Common Sense is all too Common, AEGIS Claims Seminar, San Diego California, October 2018.
- You'll Shoot Your Eye Out, Presented at the DRI Fire Science and Litigation Seminar, Scottsdale, Arizona, November 2016.
- Human Factors Engineering and Warnings in Skiing, Presented to the Association of Ski Area Defense Attorneys, Stowe, Vermont, February, 2015.

The Human Factor: The Psychology and Engineering Underlying Mountain Signage and Safety, Presented at the National Ski Area Association Conference and Tradeshow, Snowbird, Utah, 2013.

The New Normal In Higher Education, Presented at the Polytechnic Summit, Marietta, Georgia, June 2012. Zvi Szafran, David Caudill, Ruston Hunt, Tom Ball.

Human Factors in Litigation, Institute of Continuing Legal Education in Georgia, 2001.

Human Factors in Personal Injury Cases, National Association of Subrogation Professionals, 1998.