

THOMAS L. LANDERS, Ph.D., P.E., C.P.I.M.

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Norman, Oklahoma 73026-1310

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Home: 405-364-5425

Office: 405-325-2621

Mobile: 405-401-0611

EARNED DEGREES

TEXAS TECH UNIVERSITY, Lubbock, Texas:

Doctorate of Philosophy in Industrial Engineering 1985

Dissertation: "Reliability Analysis for Nonrepairable Systems Subject to Dormancy"

Concentration: **Applied Probability and Statistics**

Master of Science in Industrial Engineering 1973

Thesis: "The Purchasing Power Loss Due to Historical Cost Depreciation"

Concentration: **Engineering Economics**

Bachelor of Science in Industrial Engineering 1972

RESEARCH INTERESTS / EXPERTISE

◆ Systems Reliability, Sustainment and Supply Chain Integration

- Repairable Systems Reliability
- Materials Handling
- Supply Chain Management
- Process Improvement
- Logistics Systems Security
- Virtual Warehousing
- Electronics Manufacturing

CREDENTIALS

Registered Professional Engineer (PE), State of Oklahoma (19915) 2000

Registered Professional Engineer (PE), State of Arkansas (6360) 1986

Registered Professional Engineer (PE), State of Texas (42885), lapsed 1978

Certified in Production and Inventory Management (APICS) 1981

LICENSES

◆ Software for applications in **logistics systems** design and decision support:

- Dynamic Stock Location Assignment Algorithm
- Shop Floor Logistics

EXPERIENCE

AWARDS / RECOGNITION

- ◆ **Empire Who's Who** 2005-2006
- ◆ **Marquis Who's Who** 2005
- ◆ **IIE Fellow Award**, 2005 IIE Annual Conference, Atlanta GA 2005
- ◆ **Academy of Industrial Engineers**, Texas Tech University 2003
- ◆ **Outstanding Service Award**, Materials Handling Engineering Division, American Society of Mechanical Engineers 2000
- ◆ **Texas Instruments Award for Outstanding Researcher** in Industrial Engineering at the University of Arkansas 1996-97
- ◆ **Texas Instruments Award for Outstanding Researcher** in Industrial Engineering at the University of Arkansas 1995-96
- ◆ **Halliburton Award for Outstanding Teacher** in Industrial Engineering at the University of Arkansas 1992-1993
- ◆ **Phillips Petroleum Company Award for Outstanding Professor** in the College of Engineering at the University of Arkansas 1992
- ◆ **Halliburton Award for Outstanding Researcher** in Industrial Engineering at the University of Arkansas 1989-90
- ◆ **Halliburton Award for Outstanding Researcher** in Industrial Engineering at the University of Arkansas 1988-89
- ◆ **Outstanding Teacher** in Industrial Engineering at the University of Arkansas (student selected) 1987-1988
- ◆ **Halliburton Award for Outstanding Teacher** in Industrial Engineering at the University of Arkansas 1986-87
- ◆ Recognized as one of the Top 5 Students in the Texas Tech College of Engineering based on academic, leadership, and service achievements 1972
- ◆ **University President Award** as Top Cadet in Air Force ROTC at Texas Tech 1972

ACADEMIC ADMINISTRATION / RESEARCH ADMINISTRATION

UNIVERSITY OF OKLAHOMA

DEAN AND AT&T CHAIR,

College of Engineering, University of Oklahoma, Norman, Oklahoma 2005 to present

ASSOCIATE DEAN FOR RESEARCH AND GRADUATE PROGRAMS,

College of Engineering, University of Oklahoma, Norman, Oklahoma 2001 to 2005

DIRECTOR, School of Industrial Engineering 1998 to 2001

DIRECTOR, Institute for Oklahoma Technology Applications (IOTA),

College of Engineering, University of Oklahoma, Norman, Oklahoma 2004 to 2006

EXPERIENCE

EXECUTIVE BOARD, Oklahoma Transportation Center (OTC), University of Oklahoma, Affiliated with Oklahoma State University and Langston University	2006 - Present
EXECUTIVE DIRECTOR, Oklahoma Transportation Center (OTC), University of Oklahoma, affiliated with Oklahoma State University and Langston University	2003 to 2005
DIRECTOR, Oklahoma Transportation Center (OTC), University of Oklahoma, affiliated with Oklahoma State University	2001 to 2003
STATE-WIDE EXECUTIVE DIRECTOR, Center for Aerospace Systems / Support Infrastructure (CASI), University of Oklahoma, affiliated with Oklahoma State Regents for Higher Education in cooperation with Langston University, Oklahoma State University, Rose State College, and University of Tulsa	2001 to 2003
DIRECTOR, Center for Aerospace Systems/Support Infrastructure (CASI)	1999 to 2001
DIRECTOR, Center for Engineering Logistics and Distribution (CELDi), University of Oklahoma – a multi-university NSF Industry / University Cooperative Research Center in cooperation with Oklahoma State University, University of Arkansas, and University of Louisville	2001 to 2003

UNIVERSITY OF ARKANSAS

DIRECTOR, The Logistics Institute (TLI), an NSF-sponsored Industry / University Cooperative Research Center joint with Georgia Institute of Technology	1995 to 1998
COORDINATOR, multidisciplinary Automated Manufacturing and Material Handling Labs and Electronics Manufacturing Certificate Program – AT&T manufacturing technology grants program	1990 to 1998
RESEARCH PROGRAM LEADER, Manufacturing and Information Systems, Material Handling Research Center (MHRC), an NSF-sponsored Center joint with Georgia Institute of Technology	1992 to 1995

TEACHING

UNIVERSITY OF OKLAHOMA, Norman, Oklahoma	
AT&T Chair, College of Engineering	2001 to Present
Morris R. Pitman Professor, School of Industrial Engineering	1998 to 2001
UNIVERSITY OF ARKANSAS, Fayetteville, Arkansas	1985 to 1998
PROFESSOR, Department of Industrial Engineering	1993 to 1998
ASSOCIATE PROFESSOR, Department of Industrial Engineering	1989 to 1993
ASSISTANT PROFESSOR, Department of Industrial Engineering	1985 to 1989

EXPERIENCE

TEXAS TECH UNIVERSITY, Lubbock, Texas

LECTURER AND RESEARCH ASSISTANT,

Department of Industrial Engineering

1984 to 1985

RESEARCH ASSISTANT, Department of Industrial Engineering

1972 to 1973

CURRICULUM AND RESEARCH LABORATORY DEVELOPMENT COURSES TAUGHT

◆ Graduate:

- Advanced Material Handling
- Design of Industrial Experiments
- Engineering in Global Competition
- Inventory Theory
- Reliability
- Analysis of Inventory Systems
- Electronics Manufacturing Processes
- Probability & Stochastic Processes

◆ Undergraduate:

- Enterprise Engineering
- Material Handling
- Production Engineering
- Production Planning & Control
- Work Systems Control
- Facilities Planning & Design
- Systems Engineering
- Manufacturing Systems Design
- Engineering Management
- Engineering Economy
- Introduction to Engineering
- Honors Reading

LABORATORIES DEVELOPED

- Advanced Material Handling
- Electronics Manufacturing Design

INDUSTRY / ENGINEERING / CONSULTING

PROJECT ENGINEER AND WARRANTY MANAGER,

Lone Star Manufacturing Company, Forth Worth, Texas

1983

MANAGER (Industrial Engineering and Management Consulting),

Arthur Young and Company (Ernst & Young), Dallas, Texas

1979 to 1983

◆ 25 public and private clients

VICE PRESIDENT - PLANNING AND PRODUCTION, Solartech

Systems Incorporated, Lubbock, Texas

1978 - 1979

DEVELOPMENT ENGINEER, Texas Instruments Incorporated,

Lubbock, Texas

1978

RELIABILITY AND MAINTAINABILITY ENGINEER, F-16 System

Program Office, Aeronautical Systems Division, Wright-Patterson

Air Force Base, Dayton, Ohio

1973 to 1977

THOMAS L. LANDERS, Ph.D., P.E., C.P.I.M.

CONSULTANT (INDEPENDENT)

1979 - Present

- ◆ 25+ public and private clients

INTERNATIONAL EXPERIENCE

- ◆ Traveled extensively in Asia, Europe and Mexico to study manufacturing and logistics operations.
- ◆ Led one of earliest Just-in-Time and Total Quality initiatives in United States auto industry.
- ◆ Participated in F-16 fighter aircraft European co-production program.

RESEARCH

Co-Principal Investigator, "Center Management Support Grant", funded by OSU and University Transportation Center, (\$99,434), 2007-2008

Co-Principal Investigator, "CELDi Supplement: Center for Engineering and Logistics and Distribution." funded by the National Science Foundation, (\$20,000), 2007 - 2008

Co-Principal Investigator, "Collaborative Research: Center for Engineering Logistics and Distribution (CELDi)" funded by NSF (\$125,000), 2007- 2012

Principal Investigator, "Inter-modal Containerized Freight Security," funded by Federal Highway Administration through Oklahoma Department of Transportation (\$12,000,000), 2006 - present

Co-Principal Investigator, "Collaborative Research Center for Engineering Logistics and Distribution – Supplement for CELDi Award," funded by National Science Foundation (\$20,001), 2006 - 2007

Co-Principal Investigator, "ODOT SPR Funds," OK-TRAN State of Oklahoma, Department of Transportation (\$79,872), 2005.

Principal Investigator, "Reliability Based Costing," funded by U.S. Department of Transportation, Federal Aviation Administration (\$14,754) 2005.

Co-Principal Investigator, "OTC Infrastructure Improvement," Oklahoma Transportation Center (\$30,001), 2004.

Principal Investigator, "Project Matrix Consulting," funded by U.S. Department of Transportation, Federal Aviation Administration (\$42,861), 2004 – 2005.

Principal Investigator, "National Public Transportation Analysis Group (NAPTAG)," funded by Federal Transit Administration (\$5,500,000), 2004-2007.

Principal Investigator, "Logistics Research Experience for Teachers," funded by National Science Foundation (\$22,000), 2003.

Principal Investigator, "Computer Security Analysis of Virtual Office Park Concept," funded by U.S. Air Force through Altech Services, Inc. (\$29,322), 2002.

RESEARCH

Co-Principal Investigator, "Process Improvement Methodology," funded by U.S. Air Force through Altech Services, Inc. (\$110,806), 2002.

Principal Investigator, "Project Collaboration - Phase 2," funded by U.S. Air Force through Altech Services, Inc. (\$12,370), 2002.

Co-Principal Investigator, "Material Handling, Storage, Transportation and Identification Study for the Aircraft Directorate (LA), Production Division (LAP) at Tinker Air Force Base- Phase 1," funded by U.S. Air Force through Altech Services, Inc. (\$113,095), 2002.

Principal Investigator, "Project Collaboration - Phase 1," funded by U.S. Air Force through Altech Services, Inc. (\$12,077), 2002.

Co-Principal Investigator, "ANI – Distribution/Fabrication Orientations & Proposal Development Support," Funded by U.S. Department of Transportation (\$24,489), 2002.

Principal Investigator, "Center for Engineering Logistics and Distribution," funded by National Science Foundation (\$150,000), 2002.

Principal Investigator, "Stock Vulnerability Intervention," funded by Federal Aviation Administration (\$94,773), 2002.

Principal Investigator, "Oklahoma Transportation Center," funded by Oklahoma Department of Transportation through Oklahoma State University (\$400,000), 2002.

Principal Investigator, "Establishment and Management of the Information Collection Center," funded by U.S. Air Force through Altech Services, Inc. (\$247,920), 2001.

Principal Investigator, "Distribution Security Requirements," funded by Federal Aviation Administration (\$99,969), 2001.

Co-Principal Investigator, "Analysis of Aircraft Parts Fulfillment," funded by Federal Aviation Administration (\$21,928), 2001.

Principal Investigator, "Planning Grant – Center for Engineering Logistics and Distribution," funded by National Science Foundation (\$10,000), 2001.

Co-Principal Investigator, "Logistics Support Facility Material Flow Design and Implementation Assistance," funded by Federal Aviation Administration (\$91,030), 2001.

Principal Investigator, "Analysis of Material Flows," funded by Federal Aviation Administration (\$69,488), 2000.

RESEARCH

Co-Principal Investigator, "Optimization of Building 3001 Conveyor Material Handling System," funded by U.S. Air Force through Litton TASC (\$56,593), 2000.

Co-Principal Investigator, "Strategic Demand Chain Design for Service Parts," funded by Trane Company through Global Concepts, Inc. (\$46,835), 2000.

Faculty Advisor, Material Handling Education Foundation Scholarship for sponsored student (\$3,000), 2000.

Co-Principal Investigator, "Strategic Modeling for Supply Chain Optimization," funded by Global Concepts (\$32,523), 1999.

Co-Principal Investigator, "Lead-time Management and Multi-Echelon Inventory Systems," funded by Trane Company through Global Concepts (\$25,205), 1999.

Co-Principal Investigator, "Service Parts Inventory Planning for Seasonal Demand Patterns," funded by Trane Company through Global Concepts (\$16,549), 1998-99.

Faculty Advisor, Material Handling Education Foundation Scholarship for sponsored student (\$1,500), 1999.

Principal Investigator, "The Logistics Institute / Material Handling Research Center IUCRC," funded by National Science Foundation (\$40,000), 1998.

Faculty Advisor, Material Handling Education Foundation Automatic Guided Vehicle Section Scholarship for sponsored student (\$3,000), 1998.

Faculty Advisor, Material Handling Education Foundation Hytrol Conveyor Scholarship for sponsored student (\$1,500), 1998.

Co-Principal Investigator, "State Support for The Logistics Institute, Material Handling Research Center," funded by Arkansas Science and Technology Authority (\$50,000), 1997.

Principal Investigator, "The Logistics Institute/Material Handling Research Center IUCRC," funded by National Science Foundation (\$30,000), 1997.

Principal Investigator, "Shop Floor Logistics," funded by National Science Foundation (\$27,500), 1997.

Co-Principal Investigator, "Logistics Performance Evaluation: Metrics and Benchmarking," funded by Lucent Technologies and Global Concepts (\$75,000), 1997.

RESEARCH

Co-Principal Investigator, "Logistics Performance Evaluation: Best Practices," funded by Defense Logistics Agency (\$50,000), 1997.

Principal Investigator, "Logistics Performance Evaluation: Monitoring Assets," funded by Raytheon (\$50,000), 1997.

Principal Investigator, Allen Bradley Equipment Grant of controls for DeviceNet technology on Hytrol QS1 sortation conveyor (\$130,000), 1997.

Faculty Advisor, Material Handling Education Foundation PSC, Inc. and *Material Handling Engineering Magazine* Scholarship for sponsored student (\$3,000), 1997.

Principal Investigator, "State Support for The Logistics Institute," funded by Arkansas Department of Higher Education (\$70,000), 1996.

Co-Principal Investigator, "Stockkeeping for Focused Stores in Manufacturing," funded by Hytrol Conveyor (\$25,000), 1996.

Principal Investigator, "Basic Research in The Logistics Institute / Material Handling Research Center," funded by National Science Foundation (\$30,000), 1996.

Principal Investigator, "Focused Stores Design Methodology," funded by Lucent Technologies (\$34,000), 1996.

Principal Investigator, "Design Methodology for Engineered Storage Areas with Parts Commonality," funded by Global Concepts / Arkansas Science and Technology Authority (\$46,500), 1996.

Principal Investigator, "Intelligent Tracking Technology for Cycle Time Improvements," funded by Texas Instruments (\$50,000), 1996.

Faculty Advisor, Material Handling Institute Scholarship for sponsored student (\$3,000), 1996.

Principal Investigator, "Basic Research in The Logistics Institute/Material Handling Research Center," funded by National Science Foundation (\$61,281), 1995.

Co-Principal Investigator, "Decision Support Methodology for Material Handling Equipment Repair/Replacement Management," funded by The Logistics Institute / Material Handling Research Center (\$54,125), 1995.

Principal Investigator, "Virtual Warehousing - Prototype Design and Evaluation," funded by AT&T/Arkansas Science and Technology Authority (\$50,000), 1995.

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RESEARCH

Co-Principal Investigator, "Design Guidelines and Metrics for Material Logistics Flexibility in Manufacturing," funded by The Logistics Institute/Material Handling Research Center (\$49,939), 1995.

Co-Principal Investigator, "State Support for the Logistics Institute," funded by Arkansas Department of Higher Education (\$70,000), 1995.

Co-Principal Investigator, "The Logistics Institute/Material Handling Research Center IUCRC," funded by National Science Foundation (\$61,000), 1995.

Principal Investigator, "Logistics System Metrics and Focused Storage Models," funded by Texas Instruments (\$50,000), 1995.

Principal Investigator, "Shop Floor Logistics (summer support for undergraduate student)," funded by AT&T (\$3,000), 1995.

Principal Investigator, "Equipment Grant of Motor Controllers for Conveyor," funded by Reliance Electric (\$1,716), 1995.

Principal Investigator, "Equipment Grant of ESD Tote Boxes for Material Handling Laboratory," funded by Texas Instruments (\$2,000), 1995.

Co-Principal Investigator, "A Decision Support System for Equipment Reliability Analysis," funded by Material Handling Research Center (\$79,000), 1994.

Faculty Advisor, Material Handling Institute Conveyor Products Section Scholarship for sponsored student (\$3,000), 1994.

Principal Investigator, "High-speed Sortation Conveyor Integration," funded by Hytrol Conveyor Company membership in The Logistics Institute (\$20,000), 1994.

Principal Investigator, "Motor Controllers for Concentric Loop Sortation Conveyor," funded by Reliance Electric Company (\$2,000), 1994.

Principal Investigator, "Repetitive Mixed Model Lot Processes," funded by National Science Foundation (\$20,577), 1994.

Principal Investigator, "Logistics Planning Methodology," funded by AT&T (\$48,084), 1993.

Co-Principal Investigator, "Investigations into Inhibiting Factors of Bar Code Recognition Through Diaphanous Membranes," funded by United States Postal Service (\$28,404), 1993.

RESEARCH

Research Program Leader, Manufacturing and Information Systems, Material Handling Research Center (\$13,500), 1993.

Faculty Advisor, Material Handling Institute Integrated Systems and Controls Council & Thompkins Associates Honor Scholarship granted to sponsored graduate student (\$4,500), 1993.

Faculty Advisor, Material Handling Institute Stanley-Vidmar Honor Scholarship granted to sponsored graduate student (\$1,500), 1993.

Principal Investigator, "Flexible Feeder Process for Repetitive Mixed Model Assembly," funded by Material Handling Research Center (\$15,466), 1993.

Principal Investigator, "Integration of Engineered Storage Areas in High-Mix Manufacturing," funded by the Material Handling Research Center (\$76,596), 1993.

Principal Investigator, "Interdisciplinary Engineering Program in Electronics Manufacturing," funded by the AT&T Foundation, Manufacturing Technologies Grants Program (\$190,000), 1992.

Co-Principal Investigator, "Startup Funding for A Multi-University Material Handling Research Center," funded by National Science Foundation (\$250,000), 1992.

Principal Investigator, "Integrated CAD Approach for Conveyor System Design and Development," funded by the National Science Foundation (\$10,000), 1992.

Principal Investigator, "Analysis of the Warehouse Layout Problem for an Electronics Assembly Environment," funded by the Material Handling Research Center (\$133,787), 1992.

Faculty Advisor, Material Handling Institute Richard Dilling Memorial Scholarship granted to sponsored graduate student (\$3,000), 1992.

Principal Investigator, AT&T grant of 6386 Unix server for use in project (\$5,000), 1992.

Principal Investigator, Hytrol Conveyor Company grant of QS-1, high-speed sortation conveyor (\$34,000), 1992.

Principal Investigator, AT&T grant of 6386 microcomputers for host controllers and CAD platforms in Material Handling Laboratory and Manufacturing Automation Laboratory (\$9,000), 1992.

Principal Investigator, Hytrol Conveyor Company grant of tote flow rack for the Material Handling Laboratory (\$1,000), 1991.

RESEARCH

Principal Investigator, Task Technologies educational discount negotiated for Omnicards software for circuit board CAD/CAM (\$28,400), 1990.

Principal Investigator, AT&T grant of 6386 microcomputers for networking of laboratories (\$10,000), 1990.

Principal Investigator, Accu-Sort grant of bar-code equipment for laboratories (\$20,000), 1990.

Principal Investigator, AT&T grant of 6386 microcomputer for computer-aided engineering applications (\$5,000), 1990.

Principal Investigator, Powertronics grant of electronics reliability prediction software (\$5,700), 1990.

Principal Investigator, Keithly-Patterson grant of Allen-Bradley hardware and software for offline programming of PLCs (\$4,000), 1990.

Principal Investigator, "Curriculum and Laboratory Development to Support Electronics Manufacturing," funded by the AT&T Foundation (\$225,000), 1989.

Principal Investigator, "Conveyor System Design and Off-Line Programming," funded by Material Handling Research Center, Georgia Institute of Technology (\$66,934), 1989.

Faculty Advisor, Material Handling Institute Hoist Scholarship granted to sponsored graduate student (\$1,500), 1989.

Principal Investigator, "Proportional Intensity Reliability Analysis for Repairable Systems," funded by the Air Force Office of Scientific Research (\$20,000), 1989.

Principal Investigator, AT&T grant of 1-6386 microcomputer for computer control and engineering computation (\$13,000), 1989.

Faculty Advisor, NW Arkansas APICS grant for graduate student support in development of MRP system (\$500), 1988.

Co-Principal Investigator, "Development of an Annealing Process to Produce High Quality Shot at Minimal Cost," funded by Daisy Manufacturing and the Arkansas Science and Technology Authority (\$81,000), 1988.

Principal Investigator, Air Force Office of Scientific Research (AFOSR) Summer Faculty Research Fellowship for research in expert systems (\$10,000), 1988.

Faculty Advisor, AFOSR Summer Graduate Student Research Fellowship support for graduate student to assist in simulation modeling (\$5,000), 1988.

RESEARCH

Principal Investigator, Pulsed Power Conditioning Consortium (Defense Nuclear Agency Strategic Defense Initiative Organization) summer research funding to develop a technical manual for "Proportional Hazards Reliability Testing" (\$4,000), 1987.

Visiting Scholar, (Summer appointment for development of design reliability methodology), Center for Excellence in Reliability and Maintainability, Air Force Institute of Technology (\$4,000), 1987.

Principal Investigator, AT&T grant of microcomputers: 2-6300 and 1-6386 for computer control and engineering computation (\$13,000), 1987.

Principal Investigator, Hytrol Conveyor Company / Action Material Handling educational discount negotiated for conveyor system (\$5,400), 1987.

Principal Investigator, Advanced Manufacturing Systems Corporation educational discount negotiated for Mobot extractor integration (\$3,500), 1987.

Principal Investigator, MC Software grant of integrated Manufacturing Resource Planning software (\$12,000), 1987.

Principal Investigator, Transport Automation Technology educational discount negotiated for automated guided vehicle system (\$19,000), 1986.

Principal Investigator, Ft. Smith, Arkansas APICS Chapter grant for interface hardware (\$500), 1986.

Principal Investigator, "Manufacturing Systems and Materials Handling/Automation Laboratories," funded by the AT&T Foundation (\$290,000), 1986.

Faculty Advisor, Dayco Corporation sponsorship of chaired M.S. Project entitled "Analysis of Storage Requirements for Dayco Tensioners and Idler Assemblies," Center for Automation and Robotics, University of Arkansas (\$4,000), 1986.

Material Handling Institute Maggie Hill Memorial Scholarship granted to sponsored graduate student (\$2,500), 1986.

Principal Investigator, Material Handling Education Foundation Instructional Materials Grant (\$481), 1986.

Principal Investigator, Material Handling Education Foundation travel grant to Logistics Conference in St. Louis (\$350), 1986.

THOMAS L. LANDERS, Ph.D., P.E., C.P.I.M._____

RESEARCH

Research Assistant, "Analysis and Development of Seed Cotton Storage and Handling System," funded by Cotton Incorporated, (\$6,600), 1972.

THOMAS L. LANDERS, Ph.D., P.E., C.P.I.M._____

MASTERS AND DOCTORAL RESEARCH DIRECTION

Doctoral Dissertations Chaired

Zhou, J. - "Semi-parametric Evaluation of Rapid Rate-of-change Proportional Intensity Models for Repairable Systems with Censoring," December 2007.

Jiang S. - "Assessment of Semi-Parametric Proportional Intensity Models Applied to Recurrent Failure Data With Multiple Failure Types for Repairable-System Reliability," May 2004.

Peek, J. - "Evaluation of Proportional Intensity Models for Maintainability Technology," December 1998.

Gutierrez, R. - "Design of Focused Stores for Common Parts in a Two-Echelon Stocking System," August 1998.

Sadiq, M. - "A Hybrid Clustering Algorithm for Reconfiguration of Dynamic Order Picking Systems," May 1994.

Qureshi, W. M. - "Assessment of a Proportional Intensity Model for Repairable System Reliability," December 1991.

Velasco, T. - "Expert System Approach for Reliability Analysis Under Weibull Proportional Hazards," December 1991.

Masters Theses Chaired

Arunachalam, A. "Design and Development of a Web Enabled Interactive System to Support Environmental Engineering Training," December 2001.

Yellamraju, V. "Online Learning System for Dynamics Using Online Database," May 2001.

Potdar, H. "Internet Based, Integrated, Interactive Software for Industrial Engineering," August 2000.

Kirk, R. "Functional Requirements for a Focused Storage Software Tool," August 1997.

Walker, B. "An Investigation of the Virtual Warehousing Concept," May 1997.

Choy, S. "Knowledge Based Design for Repairable Equipment Reliability Analysis," December 1995.

Denison, L. "Hybrid Control Systems for Focused Stores," December, 1995.

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MASTERS AND DOCTORAL RESEARCH DIRECTION

Rupert, J. "Integration of Printed Wiring Board CAD in Electronics Manufacturing Curriculum," September 1995.

Vithala, S. "Robustness of a Semi-Parametric Proportional Intensity Model for the Case of a Log-Linear NHPP," May, 1994.

Copeland, M. "Integration of Engineered Storage Areas in High-Mix, Low-Value Production," May 1994.

Sultan, A. "Integrated CAD Approach for Conveyor System Design and Development," December 1994.

Beavers, M. "An Automated System for Dynamic Reconfiguration of Forward Picking Areas," May 1993.

Yan, L. "Cut-Set Enumeration with Applications to Reliability System Modeling," May 1992.

Sadiq, M. "An Automated Methodology for Intelligent Slot Assignments in Surface Mount Assembly," May 1991.

Martin, K. "Commercial Integration of Thermal Stress Screening," May 1991.

Fretheim, T. "Off-Line Programming and Simulation of Conveyor Control Software," August 1990.

Soroudi, H. "Reliability Estimation for Repairable Systems With Covariates," May 1990.

Aikman, W. "Microcomputer Integration of an Automated Machining Center," May 1989.

Whitt, W. "Real-Time Microcomputer Control and Integration of an Automatic Guided Vehicle System," May 1987.

Stanley, D. "Analysis of Automated Extraction for a Storage/Retrieval Carousel," December 1987.

Masters Reports Chaired

Kawamoto, R. "Survey and Assessment of Radio-Frequency Identification Technology," December 1997.

Chong, H. "Development of a High-Speed Automated Conveyor System," May 1997.

MASTERS AND DOCTORAL RESEARCH DIRECTION

Marney, A. "Management Information and Process Planning for a Cellular Manufacturing System," December 1990.

Hui, M. "Development of Product Family, Data Base and MRP System for a CIM Laboratory," December 1988.

Wingo, K. "Analysis of Inventory Control System for Dayco Tensioners and Idler Assemblies," May 1987.

Qureshi, W. "An Approach to Zero Inventory by Lot Size and Setup Time Reduction for a Batch Manufacturing Environment," May 1987.

Smith, B. "Analysis and Design of Material Handling System for Dayco Tensioners and Idler Assemblies," December 1986.

Graduate Committee Service

University of Arkansas

Jill Byers, Renato Clavijo, Cris Dodson, Grant DuCote, Nicholas Faddoul, Bhanu Haresamudra, Anthony Humphrey, Jim Harrelson, Charles King, Joseph King, Robert Lewis, Timothy Meinert, John McKuin, Michael Ogle, Thomas Sargent, Tarek Taha, Bruce Taylor, Gilbert Tolley, Eric Web, Mathew Wolf, Li Yan

University of Oklahoma

Adewunmi Adekoya, Shaheen Ahmed, Sayeed Ahsan, John Alexander, Tarab Ali, Kayode Badiru, Harshvardhan Barve, Arindam Basu, Jana Chellaperumalm, Steve Coppedge, Nina Diaz, Dabajit Guha, Jayaram Hanish, John Hassel, Lee Jiyoan, Mihir Korke, Jason Leon, Barry Mauldin, Madan Mathevan, Melisa Crews Moore, Sundaram Narayanaswami, Chatuaporn Nisagornsen, Suleiman M. Obeidat, Kuoh-How Ong, Santhosh Parameswaran, Chakguy Prakasvudhisarn, R. Glenn Richey, Jae-Jin Seok, Budi Santosa, Haroon Taufik, Chao-Chi Tseng, Shein Loong Yap, Kevin Yu.

PUBLICATIONS

Books

Landers, T.; Brown, W.; Fant, E.; Malstrom, E.; Schmitt, N. *Electronics Manufacturing Processes*, Prentice-Hall, 1994.

Landers, T.; Brown, W.; Fant, E.; Malstrom, E.; Schmitt, N. *Instructors' Manual, Electronics Manufacturing Processes*, Prentice Hall, 1994.

Articles, Papers in Bound Proceedings, and Book Chapters

Landers T.; Mendoza, A.; English J. "Logistics Performance Measurement," *CRC Logistics Engineering Handbook*," in press for 2007 publication.

Jiang, S.; Landers, T.; and Rhoads, T. "Abstract: Semi-parametric Proportional Intensity Models Robustness for Right-censored Recurrent Failure Data," *CSA Health and Science Abstracts*, 2006.

Jiang, S.; Landers, T.; Rhoads, T. "Assessment of Repairable System Reliability Using Proportional Intensity Models: A Review," *IEEE Transactions on Reliability*, Vol. 55, No. 2, pp 328-336, June 2006.

Jiang, S.; Landers, T.; Rhoads, T. "Proportional Intensity Models Robustness with Overhaul Intervals," *Quality and Reliability Engineering International*, Vol. 22, pp 251-263, 2006.

Jiang, S.; Landers, T.; and Rhoads, T. "Semi-parametric Proportional Intensity Models Robustness for Right-censored Recurrent Failure Data," *Reliability Engineering and Systems Safety*, Vol. 90, pp. 91-98, 2005.

Zaman, M.; Nairn, B.; and Landers, T. "Mine Chat Utilization Part 2," *Oklahoma Asphalt*, Volume 3, Number 3, Third Quarter 2004.

Cole, M.; Gutierrez, R.; Landers, T. "Design of Deterministic Point-of-Use Delivery and Storage Systems," *International Journal of Industrial Engineering*, Vol. 11 No. 4, pp. 387-395, December 2004.

Landers, P. and Landers, T. "Survival Analysis of Dropout Patterns in Dieting Clinical Trials," *Journal of American Dietetics Association*, April 2004. pp 1586-1588, Volume 104, Number 10, October 2004.

Landers, P. and Landers, T. "Abstract: Analysis of Drop Out Patterns in Three Weight Loss Dieting Plans," *Journal of the American Dietetics Association*, p. A-9, October 2002.

Rhoads, T.; Pulat, S.; Landers, T., Shehab, R.; Schlegel, R.; and Grant, H. "Using Independent Feedback Loops to Revise the Industrial Engineering Curriculum at the University of Oklahoma," *Proceedings 2001 American Society of Engineering Education Annual Conference & Exposition*, 2001.

THOMAS L. LANDERS, Ph.D., P.E., C.P.I.M._____

PUBLICATIONS

Articles, Papers in Bound Proceedings, and Book Chapters

Sloan, N.; Taylor, G.; and Landers, T. "A Cost-Benefit Analysis of Real-Time Tracking of Untethered Trailers," *Proceedings, 5th International Conference on Engineering Design and Automation*, August, pp. 223-229, 2001.

Landers, T.; Jiang, S.; Peek, J. "Semi-Parametric PWP Model Robustness for Log-linear Increasing Rates of Occurrence of Failures," *Reliability Engineering and Systems Safety* Vol. 73, pp. 145-153, 2001.

Landers, T.; Cole, M.; Walker, B.; Kirk, R. "The Virtual Warehousing Concept," *Transportation Research Part E: Logistics and Transportation Review*, Vol. 36, No. 2, pp. 115-126, March 2000.

Brewer, A.; Landers, T.; and Sloan, N. "Intelligent Tracking in Manufacturing," *Journal of Intelligent Manufacturing*, Vol. 10, Nos. 34 4, pp. 245-250, September, 1999.

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Landers, T., APICS Certification Training Course in Capacity Management, Siloam Springs, Arkansas, June-July 1989.

Landers, T., "Proportional Hazards Models and Trends in Reliability Engineering," Statistics Seminar, Mathematics Department, University of Arkansas, April 1989.

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Landers, T., Accelerated Testing of Shelf-Life/Stability, Mary Kay Cosmetics, Dallas, Texas, December 1987.

THOMAS L. LANDERS, Ph.D., P.E., C.P.I.M._____

PRESENTATIONS

Landers, T., APICS Certification Training Course in Capacity Management, Siloam Springs, Arkansas, October 1987.

Landers, T., "Manufacturing Systems and Materials Handling/Automation Laboratories," Grant Status Presentation (with Eric M. Malstrom), AT&T Bell Labs, Engineering Research Center, Princeton, New Jersey, October 1987.

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Landers, T., APICS Certification Training Course in Material Requirements Planning, Ft. Smith, Arkansas, March 1987.

Landers, T., APICS Certification Training Course in Production Activity Control, Siloam Springs, Arkansas, March 1987.

Landers, T., "Just-In-Time (A First-Hand Viewpoint)," Ft. Smith, Arkansas APICS Chapter, November 1986.

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Landers, T., "Linear Programming in the Master Production Schedule," Society of Manufacturing Engineers, Lubbock, Texas Chapter, October 1984.

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Landers, T., "Energy Management Seminars for Local Industry," sponsored by Texas Industrial Commission at Dallas, Amarillo, Waco, Beaumont, Texas, 1983.

Landers, T., "Energy Management," Dallas Chapter, American Institute of Industrial Engineers, March 1983.

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Landers, T.; Burford, C.; Dryden, R. "The Effects of Inflation on Capital Investments," 44th National Meeting, Operations Research Society of America, San Diego, California, December 1973.

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COMMITTEES

Army Science Board, 2006 - Present

University of Oklahoma Presidential Professorships, 2006-07

Foundation's University Relations Committee, 2006-07

Price College of Business Dean Search Committee, 2005-06

College of Fine Arts Programs Review, 2005

School of Electrical and Computer Engineering Director Search Committee Chair - 2004

Governor's Task Force on Aerospace, 2003

College of Business, Ruby K. Powell Professorship of Marketing Search Committee Member - 2001-02

School of Aerospace and Mechanical Engineering Director Search Committee Chair -2000

Engineering Computing Service / Multi-disciplinary Engineering Committee - 2000

University Ad Hoc Space Planning Committee - 2000

Board of Directors and OU System Liaison to OSRHE-sponsored Center for Aircraft and Systems/Support Infrastructure - 1999-2000

College of Engineering Space Planning Committee - 1999-2000

Committee A, School of Industrial Engineering

IE Scholarships, Awards & Banquet Committee (Chair) - 1996-98

IE Personnel Committee - 1995-96

IE Curriculum Committee - 1994-95

College of Engineering Service Course Committee - 1993-94

IE Curriculum Committee - 1993-94

IE Faculty Search Committee (Chair) - 1993

IE Ad Hoc Curriculum Review Committee - 1991

Engineering College Computer Selection Committee - 1990

IE Faculty Search Committee - 1990

IE Equipment Committee - 1986-92

IE Graduate Committee - 1988-90

IE Curriculum Committee - 1987-88

IE Scholarship, Awards and Banquet Committee - 1987-90

IE Department Head Search Committee - 1986-87

PROFESSIONAL AFFILIATIONS / INVOLVEMENT

Fellow, Institute of Industrial Engineers
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Member, National Society of Professional Engineers
Member, International Council on Systems Engineering
IIE Central Oklahoma Senior Chapter President
University of Oklahoma IIE Student Chapter Advisor
Manufacturing Technology Group Representative, Committee on Member Interests, ASME
Chair, Material Handling Engineering Division, ASME
Information Systems Technical Committee Chair, Material Handling Engineering Division, ASME
Program Chair, Material Handling Engineering Division, ASME
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Reviewer, Microelectronics and Reliability
Reviewer, International Journal of Production Research
Reviewer, Computers and Industrial Engineering
Reviewer, ASME Transactions on Electronics Packaging
Research Program Leader, Manufacturing and Information Systems, Material Handling Research Center
Technical Director for Information Systems, Material Handling Engineering Division, ASME
Technical Session, Chair 1994 ASME WAM
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Panelist, National Science Foundation
Reviewer, National Science Foundation
Referee, *IIE Transactions*
Referee, *ASME Transactions*
Referee, *Computers and Industrial Engineering*
Referee, *Microelectronics and Reliability*
Senior Member, Institute of Industrial Engineers.
Member, Council of Logistics Management / Council of Supply Chain Management Professionals
Member, American Society for Engineering Education
Member, American Association for Advancement of Science
Member, Society of American Military Engineers
Certified in Production and Inventory Management (CPIM) in American Production and
Member, American Production and Inventory Control Society (Charter Treasurer, Greater Fort Worth
Area Chapter; Charter Faculty)
Advisor, Texas Tech University Student Chapter).
Member, Sigma Xi, Tau Beta Pi, Alpha Pi Mu, Phi Kappa Phi Honor Societies.
Faculty Advisor, Tau Beta Pi Chapter
Member, Industrial Advisory Board, Industrial Engineering Department, Texas Tech University

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