

DR. THOMAS LANDERS

Morris R. Pitman Professor of Engineering; Associate Dean for Engineering Research

B.S., Industrial Engineering, Texas Tech University; M.S. Industrial Engineering, Texas Tech University; Ph.D., Industrial Engineering, Texas Tech University

Dr. Tom Landers is a graduate of Texas Tech University, achieving his Ph.D. in Industrial Engineering in 1985. Dr. Landers worked in industry for over 10 years in the development of the F-16 jet fighter for the United States Air Force, as a manufacturing engineer for Texas Instruments, a warranty manager in automotive air conditioning for Lone Star Manufacturing, and a management consultant for Ernst & Young. His experience in the auto industry includes partnership with Japanese automakers in one of the first Just-in-Time and Total Quality initiatives in the United States.

Dr. Landers' research interests and expertise are in logistics systems and value-chain integration, material handling, supply chain management, process improvement, and systems reliability. He holds two commercial software licenses for applications in logistics systems design and decision support.

From 1985 to 1993 Dr. Landers progressed from assistant to full professor in the Department of Industrial Engineering at the University of Arkansas. There he received several teaching and research awards, including the Phillips Petroleum Award for Outstanding Professor in the College of Engineering, and Halliburton and Texas Instruments Awards for Outstanding Research and Outstanding Teaching. He was instrumental in transformation of the department from a teaching to a research institution, and facilitated the establishment of two multi-disciplinary programs:

AT&T Foundation Manufacturing Technology Grants Program (1 million +)

NSF Material Handling Research Center - The Logistics Institute (2.5 million)

From 1995 to 1998 he served as Director of The Logistics Institute. In 1994 he was the primary author of the textbook, *Electronics Manufacturing Processes*, published by Prentice Hall, and adopted by leading colleges of engineering worldwide.

In 1998 he joined the University of Oklahoma as Morris R. Pitman Professor and Director of the School of Industrial Engineering. In 2001 he became the Associate Dean for Research and Graduate Studies in the College of Engineering, overseeing strategic research initiatives and serving as government liaison. During his tenure he has created five research laboratory facilities and founded three multi-campus and interdisciplinary research centers resulting in over \$12.5M in funding. He has directly managed a \$4.5 million as annual research budget as:

Executive Director, Center for Aircraft and Systems/Support Infrastructure (CASI)

Director, Oklahoma Transportation Center (OTC)

Co-Director, Center for Engineering Logistics and Distribution (CELDi)

He is a Registered Professional Engineer (P.E.) in two states and Certified in Production and Inventory Management (C.P.I.M.) through the American Production & Inventory Control Society (APICS). He has served on the Advisory Board to the Department of Industrial Engineering at Texas Tech University, as chair of the Material Handling Division of the American Society of Mechanical Engineers, Associate Editor of *IEEE Transactions on Reliability*, and charter treasurer of the APICS Greater Fort Worth Area Chapter. In 2003, he was inducted into the Texas Tech Industrial Engineering Academy.

Dr. Landers has served on several government task forces, testified before Congressional committees, and provide consultative services to over 40 private and public sector organizations.

