Edward G. Anderson Jr.
Associate Professor
Information, Risk, and Operations Management

Education:
PHD, Massachusetts Institute of Technology, 1997
MS, Massachusetts Institute of Technology, 1994
BS, Stanford University, 1988

Short Bio:
Dr. Edward Anderson is an Associate Professor of Operations Management at the University of Texas McCombs School of Business. He received his doctorate from the Massachusetts Institute of Technology and his bachelor's degree in electrical engineering and history from Stanford University. His research interests include supply chain management, outsourced product development, knowledge management, startup ventures, and system dynamics. He has published articles in *Management Science, Production and Operations Management*, and *The Systems Thinker*.

Dr. Anderson won the prestigious Wickham Skinner Early-Career Research Award from the Production and Operations Management Society. He is a senior editor in the Product Innovation Department of *Production and Operations Management* and has received research grants from the National Science Foundation, SAP, and Hewlett-Packard. Professor Anderson has consulted with Ford, Dell, Hewlett-Packard, Frito-Lay, and Atlantic-Richfield. Prior to his academic work, he worked as an engineer for the Ford Motor Company, where he received three U.S. patents.

Academic Posts:
University of Texas at Austin, 1997 - present

Research Areas:
Computer Simulation, Knowledge Management, New Product Development, Service Management, Supply Chain Management, System Dynamics

Industry Areas:
Automobile Industry, Banking, E-Business, Electronics Manufacturing, Insurance, Software

Professional Service:
Ad-hoc reviewer, *Operations Research*, 2003 - present;
Board Member, Production and Operations Management Society, 2003 - present;
Senior Editor, *Production and Operations Management Society Publications Board*, 2003 - present;
Publications Board, Production and Operations Management Society, 2001 - 2003;
Ad-hoc reviewer, *Systems Dynamics Review*, 2000 - present;
Ad-hoc reviewer, *Journal of Production and Operations Management*, 1997 - present;
Ad-hoc reviewer, *Management Science*, 1997 – present

Current Research Projects:
A Hierarchical Modeling Framework for Product Development Planning
A Wireless Telecommunication Firm and Enterprise System

Capacity and Backlog Management in Service-Oriented Supply Chains
Mental Models for Sustainable Social Systems
Stochastic Optimal Control of Centralized Staffing and Backlog Policies in a Two-Stage Customized Service Supply Chain
The Physics of Service Supply Chains
Vertical Integration and Linked Learning Processes

Recent and Representative Publications:

Edward G. Anderson. 2011. A dynamic model of counterinsurgency policy including the effects of intelligence, public security, popular support and insurgent experience. *System Dynamics Review* 27(2), 111-141.

Burcu Tan, Edward G. Anderson, Jim S. Dyer, and Geoffrey Parker. 2010. Evaluating system dynamics models of risky projects using decision trees: alternative energy projects as an illustrative example. *System Dynamics Review* 26(1), 1-17.

Edward G. Anderson, Douglas J. Morrice, and Gary Lundeen. 2006. Stochastic Optimal Control for Staffing and Backlog Policies in a Two-Stage Customized Service Supply Chain. *Production and Operations Management* 15(2), 262–278.

Geoffrey G. Parker and Edward G. Anderson. 2002. Supply Chain Integration: Putting Humpty-Dumpty Back Together Again, in *Future Directions in Supply Chain and Technology Management*, Tonya Boone and Ram Ganeshan, eds. American Management Association, 352-376.

Edward G. Anderson and Geoffrey G. Parker. 2002. The Effect of Learning on the Make/Buy Decision. *Production and Operations Management* 11, 313-339.

Professional Awards:

National Science Foundation, grant to study firms outsourced product development, 2003;
McCombs CBA Foundation Research Excellence Award for Assistant Professors, 2003;
UT Herb Kelleher Center for Entrepreneurship, grant relating to start-up venture failures, 2003;
UT Summer Research Assignment, 2000;
SAP grant to develop ERP-Balanced Scorecard Teaching Simulator, 1999;
Hewlett-Packard, grant to study the integration of real options theory into system dynamics models, 1999;
Institute for Operations Research and the Management, Meritorious Service Award, 1997

Teaching Awards:

MBA Core Course Teach of the Year Nominee, 2000, 2002, 2003
McCombs Faculty Honor Roll for Outstanding Core Class Instruction, 2001, 2002, 2003
Trammel/CBA Foundation Teaching Award for Assistant Professors, 2003
Wickham Skinner Early-Career Research Accomplishments Award, 2002
Trammell/CBA Foundation Teaching Award for Assistant Professors Nominee, 2002
University of Texas McCombs School of Management Teaching Honor Roll, 2001
Frank L. Batten Young Scholar, 2000