

VITA (Short version—full version available by request)

Tyson R. Browning

Current appointment (since April 2015):

Professor of Operations Management

Department of Information Systems and Supply Chain Management

Neeley School of Business, Texas Christian University

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I. Education

Massachusetts Institute of Technology

Cambridge, Massachusetts

Ph.D. 1999 *Technology, Management and Policy* (Engineering Management)

S.M. 1996 *Aeronautics and Astronautics* (Systems Engineering)

S.M. 1996 *Technology and Policy*

Abilene Christian University

Abilene, Texas

B.S. 1993 *Engineering Physics* (with University Honors)

Educational Honors

- National Science Foundation Graduate Fellowship, 1994-1997
- *USA Today's* All-USA College Academic Team, Honorable Mention, 1993
- H.Y. Benedict Fellowship (from Alpha Chi), 1993
- Barry M. Goldwater Excellence in Education scholarship (from U.S. Congress), 1991-1993
- National Merit Finalist (and corporate scholarship from Honeywell, Inc.), 1989-1993
- National Society of Professional Engineers scholarship, 1989

International Travel:

Asia: China, Japan, Singapore, Thailand

Australia, New Zealand

Europe: Austria, Belgium, Croatia, Finland, France, Germany, Ireland, Italy, Liechtenstein, Netherlands, Romania, Russia, Spain, Sweden, Switzerland, United Kingdom

Middle East: Israel, Jordan

North America: Canada, Mexico, St. Kitts & Nevis

South America: Brazil

II. Research

II.1 Impact Measures

As of December 29, 2020 via [Google Scholar](https://scholar.google.com/citations?user=...)

Total citations: 8,851 (4,414 since 2015)

h-index: 37 (i.e., 37 papers with at least 37 citations each)

II.2 Selected Research Publications in Refereed Journals

- P42 Yang, Qing, Na Yang, **Tyson R. Browning**, Bin Jiang, and Tao Yao (2021) "Clustering Product Development Project Organization from the Perspective of Social Network Analysis," *IEEE Transactions on Engineering Management*, available online, forthcoming in print.
- P41 Allaverdi, David and **Tyson R. Browning** (2020) "A Methodology for Identifying Flexible Design Opportunities in Large-scale Systems," *Systems Engineering*, **23**(5): 534-556.
- P40 Collins, Shawn T. and **Tyson R. Browning** (2019) "It Worked There, So It Should Work Here: Sustaining Change while Improving Product Development Processes," *Journal of Operations Management*, **65**(3): 216-241.

- P39 **Browning, Tyson R.** (2019) "Planning, Tracking, and Reducing a Complex Project's Value at Risk," *Project Management Journal*, **50**(1): 71-85.
- P38 **Browning, Tyson R.** (2018) "Building Models of Product Development Processes: An Integrative Approach to Managing Organizational Knowledge," *Systems Engineering*, **21**(1): 70-87. **Finalist for journal's best paper of the year**
- P37 Engel, Avner, **Tyson R. Browning**, and Yoram Reich (2017) "Designing Products for Adaptability: Insights from Four Industrial Cases," *Decision Sciences*, **48**(5): 875-917. **Fifth-most-cited paper out of 207 in DS since 2017 (according to Web of Science, Dec. 2020)**
- P36 Yassine, Ali A., Omar Mostafa, and **Tyson R. Browning** (2017) "Scheduling Multiple, Resource-Constrained, Iterative, Product Development Projects with Genetic Algorithms," *Computers & Industrial Engineering*, **107**: 39-56.
- P35 Meier, Christoph, Ali A. Yassine, **Tyson R. Browning**, and Ulrich Walter (2016) "Optimizing Time-Cost Tradeoffs in Product Development Projects with a Multi-Objective Evolutionary Algorithm," *Research in Engineering Design*, **27**(4): 347-366.
- P34 **Browning, Tyson R.** and Ali A. Yassine (2016) "Managing a Portfolio of Product Development Projects under Resource Constraints," *Decision Sciences*, **47**(2): 333-372. **In the top 10% of citations out of 247 articles in the journal since 2016 (according to Web of Science, Dec. 2020)**
- P33 **Browning, Tyson R.** (2016) "Design Structure Matrix Extensions and Innovations: A Survey and New Opportunities," *IEEE Transactions on Engineering Management*, **63**(1): 27-52. **Most-cited paper in IEEE-TEM since 2016 (according to Web of Science, Dec. 2020)**
- P32 Meier, Christoph, **Tyson R. Browning**, Ali A. Yassine, and Ulrich Walter (2015) "The Cost of Speed: Work Policies for Crashing and Overlapping in Product Development Projects," *IEEE Transactions on Engineering Management*, **62**(2): 237-255.
- P31 **Browning, Tyson R.** (2014) "A Quantitative Framework for Managing Project Value, Risk, and Opportunity," *IEEE Transactions on Engineering Management*, **61**(4): 583-598.
- P30 **Browning, Tyson R.** (2014) "A Role-Playing Game for Teaching about Enterprise Process Integration," *Journal of Enterprise Transformation*, **4**(3): 226-250.
- P29 Ramasesh, Ranga V. and **Tyson R. Browning** (2014) "A Conceptual Framework for Tackling Knowable Unknown Unknowns in Project Management," *Journal of Operations Management*, **32**(4): 190-204.
- P28 Kutsch, Elmar, **Tyson R. Browning**, and Mark Hall (2014) "Bridging the Risk Gap: The Failure of Risk Management in Information Systems Projects," *Research-Technology Management*, **57**(2): 26-32.
- P27 **Browning, Tyson R.** (2014) "Managing Complex Project Process Models with a Process Architecture Framework," *International Journal of Project Management*, **32**(2): 229-241.
- P26 Sosa, Manuel E., Jürgen Mihm, and **Tyson R. Browning** (2013) "Linking Cyclicity and Product Quality," *Manufacturing & Service Operations Management*, **15**(3): 473-491.
- P25 **Browning, Tyson R.** and Nadia R. Sanders (2012) "Can Innovation Be Lean?" *California Management Review*, **54**(4): 5-19.
- P24 Sosa, Manuel E., Jürgen Mihm and **Tyson R. Browning** (2011) "Degree Distribution and Quality in Complex Engineered Systems," *Journal of Mechanical Design*, **133**(10): 101008 (15 pages).
- P23 **Browning, Tyson R.** and Ali A. Yassine (2010) "Resource-Constrained Multi-Project Scheduling: Priority Rule Performance Revisited," *International Journal of Production Economics*, **126**(2): 212-228.
- P22 **Browning, Tyson R.** (2010) "On the Alignment of the Purposes and Views of Process Models in Project Management," *Journal of Operations Management*, **28**(4): 316-332.
- P21 **Browning, Tyson R.** and Ali A. Yassine (2010) "A Random Generator of Resource-Constrained Multi-Project Network Problems," *Journal of Scheduling*, **13**(2): 143-161.
- P20 Lévardy, Viktor and **Tyson R. Browning** (2009) "An Adaptive Process Model to Support Product Development Project Management," *IEEE Transactions on Engineering Management*, **56**(4): 600-620. **In the top 4.2% of citations out of 2307 articles in the 67-year history of IEEE-TEM (according to Web of Science, Dec. 2020)**
- P19 **Browning, Tyson R.** (2009) "The Many Views of a Process: Towards a Process Architecture Framework for Product Development Processes," *Systems Engineering*, **12**(1): 69-90. **The 14th-most-cited article out of 479 articles in the journal since 2007 (according to Web of Science, Dec. 2020)**

- P18 **Browning, Tyson R.** and Ralph D. Heath (2009) "Reconceptualizing the Effects of Lean on Production Costs with Evidence from the F-22 Program," *Journal of Operations Management*, **27**(1): 23-44.
- P17 **Browning, Tyson R.** and Eric C. Honour (2008) "Measuring the Life-cycle Value of Enduring Systems," *Systems Engineering*, **11**(3): 187-202.
- P16 Engel, Avner and **Tyson R. Browning** (2008) "Designing Systems for Adaptability by Means of Architecture Options," *Systems Engineering*, **11**(2): 125-146. **The third-most-cited article out of 479 articles in the journal since 2007 (according to Web of Science, Dec. 2020)**
- P14 Meier, Christoph, Ali Yassine and **Tyson R. Browning** (2007) "Design Process Sequencing with Competent Genetic Algorithms," *Journal of Mechanical Design*, **129**(6): 566-585.
- P13 **Browning, Tyson R.** and Ranga V. Ramasesh (2007) "A Survey of Activity Network-based Process Models for Product Development Project Management," *Production and Operations Management*, **16**(2): 217-240. **In the top 4% of citations out of 1787 articles in the history of POM (according to Web of Science, Dec. 2020)**
- P12 Danilovic, Mike and **Tyson R. Browning** (2007) "Managing Complex Product Development Projects with Design Structure Matrices and Domain Mapping Matrices," *International Journal of Project Management*, **25**(3): 300-314. **The most-cited article from the journal since 2007 (according to the journal's web site, 2012)**
- P11 **Browning, Tyson R.**, Ernst Fricke, and Herbert Negele (2006) "Key Concepts in Modeling Product Development Processes," *Systems Engineering*, **9**(2): 104-128. **The second-most-cited article out of 467 articles in the 18-year history of SE (Oosthuizen et al. 2016)**
- P10 **Browning, Tyson R.** (2003) "On Customer Value and Improvement in Product Development Processes," *Systems Engineering*, **6**(1): 49-61.
- P9 **Browning, Tyson R.**, John J. Deyst, Steven D. Eppinger, and Daniel E. Whitney (2002) "Adding Value in Product Development by Creating Information and Reducing Risk," *IEEE Transactions on Engineering Management*, **49**(4): 443-458. **In the top 2.1% of citations out of 2307 articles in the 67-year history of IEEE-TEM (according to Web of Science, Dec. 2020)**
- P8 **Browning, Tyson R.** and Steven D. Eppinger (2002) "Modeling Impacts of Process Architecture on Cost and Schedule Risk in Product Development," *IEEE Transactions on Engineering Management*, **49**(4): 428-442. **The tenth-most-cited article out of 2307 articles in the 67-year history of IEEE-TEM (according to Web of Science, Dec. 2020)**
- P7 **Browning, Tyson R.** (2002) "Process Integration Using the Design Structure Matrix," *Systems Engineering*, **5**(3): 180-193. **The ninth-most-cited article out of 467 articles in the 18-year history of SE (Oosthuizen et al. 2016)**
- P6 **Browning, Tyson R.** (2001) "Applying the Design Structure Matrix to System Decomposition and Integration Problems: A Review and New Directions," *IEEE Transactions on Engineering Management*, **48**(3): 292-306. **The third-most-cited article out of 2307 articles in the 67-year history of IEEE-TEM (according to Web of Science, Dec. 2020); also cited by four patents (IEEE Xplore)**
- P5 Denker, Stephen, Donald V. Steward and **Tyson R. Browning** (2001) "Planning Concurrency and Managing Iteration in Projects," *Project Management Journal*, **32**(3): 31-38.
- P4 **Browning, Tyson R.** (1999) "Designing System Development Projects for Organizational Integration," *Systems Engineering*, **2**(4): 217-225.
- P3 **Browning, Tyson R.** (1999) "Sources of Schedule Risk in Complex System Development," *Systems Engineering*, **2**(3): 129-142.
- P2 **Browning, Tyson R.** (1998) "Integrative Mechanisms for Multiteam Integration: Findings from Five Case Studies," *Systems Engineering*, **1**(2): 95-112.
- P1 **Browning, Tyson R.** (1995) "Reaching for the 'Low Hanging Fruit': The Pressure for Results in Scientific Research—A Graduate Student's Perspective," *Science and Engineering Ethics*, **1**(4): 417-426.

II.3 Selected Other Publications

- O36 Mishra, Anant and **Tyson R. Browning** (2020) "Editorial: The Innovation and Project Management Department in the *Journal of Operations Management*," *Journal of Operations Management*, **66**(6): 616-621.
- O35 **Browning, Tyson R.** (2020) "Editorial: Operations Management Writ Large," *Journal of Operations Management*, **66**(5): 494-500.
- O34 Chandrasekaran, Aravind, Suzanne de Treville, and **Tyson Browning** (2020) "Editorial: Intervention-Based Research (IBR) – What, Where and How to Use it in Operations Management," *Journal of Operations Management*, **66**(4): 370-378.
- O33 **Browning, Tyson R.** (2019) "Managing the Strategy-Implementation Gap by Reducing Project Risk," Ch. 10 in *Characterizing the Gap between Strategy and Implementation*, Moser, B., Ed., Cambridge, MA: Project Management Institute, pp. 138-148.
- O32 **Browning, Tyson R.** and Suzanne de Treville (2018) "Editorial: New Developments at the *Journal of Operations Management*," *Journal of Operations Management*, **64**(1): 1-6.
- O31 Maylor, Harvey, Jack Meredith, Jonas Söderlund, and **Tyson R. Browning** (2018) "Old Theories, New Contexts: Extending Operations Management Theories to Projects," special issue introductory article in the *International Journal of Operations & Production Management*, **38**(6): 1274-1288.
- O30 **Browning, Tyson R.** (2017) "Project Design and Management," Chapter 11 in Starr, Martin K. and Sushil K. Gupta, Eds., *The Routledge Companion to Production and Operations Management*, New York: Routledge, pp. 214-233.
- O29 **Browning, Tyson R.**, Steven D. Eppinger, Danilo Marcello Schmidt, and Udo Lindemann, Eds. (2015) *Modeling and Managing Complex Systems: Proceedings of the 17th International DSM Conference*, Hanser.
- O26 **Browning, Tyson R.** and Ranga V. Ramasesh (2015) "Reducing Unwelcome Surprises in Project Management," *MIT Sloan Management Review*, **56**(3): 53-62.
- O25 **Browning, Tyson R.** (2014) "Program Agility and Adaptability," *INCOSE INSIGHT*, **17**(2): 18-22.
- O20 Eppinger, Steven D. and **Tyson R. Browning** (2012) *Design Structure Matrix Methods and Applications*, Cambridge, MA: MIT Press.
 - Japanese edition (2014)

II.4 Web Articles, Blogs, and Podcasts

- "The Design Structure Matrix: A Tool for Managing Complexity," *Scientific American* [quest blog](#), 9/15/12.
- "Looking in the Right Places to Identify 'Unknown Unknowns' in Projects," *Integration and Implementation Insights* [blog](#), 11/5/19.
- "Managing Operational Risk and Uncertainty," [Scale with Sergio](#), MarketScale podcast, 5/22/20.

II.5 Invited Presentations at Universities

Aalto University (Helsinki, Finland)
Boston University
Clemson University
École Centrale Paris (France)
George Washington University
Hong Kong Polytechnic University
INSEAD (Fontainebleau, France)
Iowa State University
Lehigh University
Massachusetts Institute of Technology (x7)
National University of Singapore (Singapore) (x2)
Naval Postgraduate School
Ohio State University
Penn State University
Queensland University of Technology (Brisbane, Australia) (x3)
Royal Institute of Technology (Stockholm, Sweden)
Southern Methodist University (x2)
Stevens Institute of Technology

Technical University of Munich (Germany) (x8)
 Technion (Haifa, Israel)
 Temple University
 Texas A&M University
 Tongji University (Shanghai, China)
 University of Cambridge (UK) (x5)
 University of Houston
 University of Lugano (Switzerland)
 University of Maryland
 University of Melbourne (Australia)
 University of North Texas
 University of Notre Dame
 University of Oklahoma
 University of Oxford (UK)
 University of Rostock (Germany)
 University of São Paulo (Brazil) (x2)
 University of South Carolina
 University of Texas at Dallas (x2)
 University of Texas at El Paso
 University of Warwick (Coventry, UK)
 Virginia Tech
 Xi'an Jiaotong University (China)

II.6 Research Grants

- Office of Naval Research (ONR), “Design Structure Matrix (DSM) Methods and Applications for Naval Ship Design,” \$302,230 over 3 years, 2011-2014, principal investigator
- TCU Research and Creative Activity Fund (RCAF) Grants, 2003-2004 and 2004-2005
- Summer research support, TCU Neeley School of Business, 2003-present

II.7 Research Positions

Lean Aerospace Initiative Cambridge, Massachusetts
Research Assistant, Product Development Focus Team, 1995-1999
Research Assistant, Organizations and People Focus Team, 1993-1995

Researched advanced management practices and policies. Spent extensive time on-site with Boeing (both commercial and defense, Seattle, WA). Conducted site visits and analyzed product development and organizational practices in multiple projects at Boeing, Daimler Chrysler, General Electric, Lockheed Martin, McDonnell Douglas, Sundstrand, and Texas Instruments. Frequent speaker at consortium workshops.

Los Alamos National Laboratory Los Alamos, New Mexico
Research Assistant, Software Developer and Equipment Technician, 1990-1993

II.8 Research Honors and Awards

- Neeley School of Business Dean’s nominee for the TCU Chancellor’s Award for Distinguished Achievement as a Creative Teacher and Scholar: 2013
- Papers P6, P7, P8, P9, P11, P12, P13, P18, P19, and P20 are among the most-cited papers from their respective journals

II.9 Media Mention

- Murawski, John (2019) “AI Will Assume Most Project Management Tasks, Gartner Says,” [The Wall Street Journal](#), March 25

III. Teaching

III.1 Appointments

Neeley School of Business, Texas Christian University		Fort Worth, Texas
2015 – Present	Professor of Operations Management	
2009 – 2015	Associate Professor of Operations Management	
2003 – 2009	Assistant Professor of Operations Management	

III.2 Courses Taught

III.2.1 Graduate Courses (MBA/PMBA)

Current:

- INSC 60020 Managing Operations and Processes (1.5 units, Core): two sections each Fall, 2011-2016, 2018-2019; Spring 2021
- INSC 71003 Project Management (3.0 units, Elective): each Spring, 2017-2021
- INSC 71020 Six Sigma Green Belt for Managers (1.5 units, Elective): Winter 2009; each Summer, 2009-2011; each Spring, 2012-2021
- INSC 70970 Six Sigma Green Belt for Managers (3.0 units, Elective): each Summer 2018-2020

Previous:

- INSC 70130 Managing Risk and Uncertainty (1.5 units, Elective): each Spring, 2013-2017
- INSC 60023 Manufacturing & Services Operations Management (3.0 units, Core): ea. Spring, 2004-2011
- INSC 70693 Master of Science in Supply Chain Management Field Study Project: Spring, 2015-2016 (course coordinator and advisor to three students); Fall 2016, Spring 2019 (advisor to one student)
- INSC 71000 Project Management (1.5 units, Elective): each Fall, 2004-2009; each Spring, 2012-2016
- INSC 71010 Program Management (1.5 units, Elective): each Fall, 2004-2009; each Spring, 2012-2016
- INSC 70970 Independent Study (Elective): four students, 2004, 2006-2008

III.2.2 Undergraduate Course

- INSC 40970 Supply Chain Process Analysis and Improvement: Fall, 2011

III.2.3 International Course

- Doing Business in China (Hong Kong, Shenzhen, Dongguan, Guangzhou, Macau): Spring 2009

III.2.4 Executive Education Courses (TCU and External)

- Developing Operational Excellence: Fall 2006, Fall 2009
- Lean, Just-In-Time, and Inventory Management: Fall 2006
- Introduction to Project Management: Summer 2009, Fall 2012, Spring 2013
- Leading Process Improvement: Dec. 2013
- Six Sigma Green Belt Certification: May 2016, May 2017

III.3 Other Teaching Interests

- Enterprise operations management
- Process-based management
- Technology and innovation management
- Systems modeling and analytics
- Decision analysis

III.4 Teaching Honors and Awards

- Neeley School of Business Dean's nominee for the TCU Chancellor's Award for Distinguished Achievement as a Creative Teacher and Scholar, 2013
- Neeley School Graduate Teaching Award, 2020
- Neeley School Graduate Teaching Award – MBA electives, 2015
- Neeley School Graduate Teaching Award – MBA core, 2007
- Voted a "Favorite Professor" by the graduating MBA classes: 2013-2020
- Nominated by an MBA student for the "Wassenich Award for Mentoring in the TCU Community," 2005
- Appointed to TCU Neeley School Graduate Faculty, 2003-present

IV. Service

IV.1 Academic Committees

IV.1.1 Departmental Level

- Chair, Assistant Professor and PPP search committees: 2014-2015
- Chair, department chair search committee: 2012-2013
- Numerous departmental citizenship activities (research presentations, curriculum meetings, etc.)

IV.1.2 College/School Level

- Faculty Evaluation Committee: 2013-2015, 2020-
- Teaching Effectiveness Committee: 2018-2020
- Dean search committee, Neeley School of Business: 2019
- Dean's Neeley School 2020 Strategic Planning Committee: 2016-2018
- Associate Dean for Graduate Programs, search committee: 2016
- Dean's Advisory Committee: 2009-2012
- Critical Thinking committee and START Workshop presenter: 2013-2020
- Nominating committee for Deans' Research and Teaching Awards: 2013
- Nominating committee for Chancellor's Award for Distinguished Achievement as a Creative Teacher and Scholar: 2014
- MBA Core Faculty: each Spring, 2004-2011, 2021; each Fall, 2011-2016, 2018-2019
- PMBA Core Faculty: each Spring, 2004-2006
- Numerous school citizenship activities (especially MBA events)

IV.1.3 University Level

- Numerous university citizenship activities (commencements, convocations, meetings, etc.)
- TCU University Advisory Committee: 2017-2020 (Chair, 2019-2020)
- TCU Traffic Regulations and Appeals Committee: 2014-2017
- TCU Evaluation Committee: 2004-2009
- Joint Engineering/Management M.S. degree Committee: 2003-2007
- Visiting Committee for Physics Dept. at Abilene Christian University: 2008-2011
- Visiting Committee for Honors Program at Abilene Christian University: 2003-2007

IV.2 Recommendation and Evaluation Letters

- Writing numerous recommendations for students
- Writing numerous recommendation, nomination, support, and evaluation letters for colleagues
- Writing external evaluation letters for promotion and/or tenure
- Providing student references for employers

IV.3 Academic Advising (Including Theses)

- Honors Project committees (2006, 2017)
- Faculty advisor for Neeley & Associates Consultants student teams (7 teams since 2007)
- Doctoral thesis examiner for Morten Wied, Technical University of Denmark (Dec. 2020)
- Doctoral thesis jury member for Jelena Petronijevic, Arts et Métiers ParisTech (Sept. 2020)
- Doctoral thesis examiner for Christoph Hollauer, Technical University of Munich (TUM) (Fall 2017 – Fall 2019)
- Doctoral thesis examiner for David Allaverdi, TUM (Fall 2015 – Fall 2017)
- Doctoral thesis jury member for Louis-Philippe Kerkhove, Ghent University (Summer 2016)
- Doctoral thesis examiner for Daniel Kasperek, TUM (Fall 2015 – Summer 2016)
- Habilitation thesis examiner for Dr. Maik Maurer, TUM (March 2016)
- Doctoral thesis examiner for Frank Deubzer, TUM (Fall 2009 – Summer 2015)
- Habilitation (teaching post-doc) examiner for Dr. Maik Maurer, TUM (Summer 2011)
- Doctoral thesis committee for Christoph Meier, TUM (Fall 2007 – Summer 2011)
- Doctoral thesis committee for Sidarth Rupani, Massachusetts Institute of Technology (Fall 2008 – Fall 2010)
- Doctoral thesis advisor for Viktor Lévárđy, TUM (Fall 2003 – Fall 2006), who received the best dissertation award from the German Project Management Foundation (German Chapter of the International Project Management Association)
- Master's thesis advisor for Christoph Meier, TUM (Fall 2004 – Summer 2005), who received the best thesis of the year award from the German Systems Engineering Society and a cash award of €2500

IV.4 Memberships in Professional Organizations

- Academy of Management (AOM), 2018-present
- Association for Supply Chain Management (ASCM), 2019-present
- Decision Sciences Institute (DSI), 2007-2008, 2015-present
- Institute for Operations Research and the Management Sciences (INFORMS), 2002-present
- International Council on Systems Engineering (INCOSE), 1995-present
- Production and Operations Management Society (POMS), 2006-present
- Project Management Institute (PMI), 2017-present
- American Institute of Aeronautics and Astronautics (AIAA), 1995-2000

IV.5 Service to Professional Groups

IV.5.1 Boards and Advisory Groups

- POMS Operations Excellence (OpEx) College, Advisory Committee, 2019-present
- *Management and Business Review* (MBR) Advisory Board, 2018-present
- Project Management Institute (PMI) Academic Member Advisory Group (AMAG), Academic Insight Team (AIT), 2018-2021
- *Complex and Enterprise Systems Engineering* book series (Taylor & Francis), Advisory Board, 2008-2012

IV.5.2 Editorial Positions

- *Journal of Operations Management*
 - **Co-Editor-in-Chief, 2018-2023**
 - Associate Editor, 2015-2017
 - Editorial Review Board, 2015-2017
- *IEEE Transactions on Engineering Management*
 - **Department Editor (inviting and managing review teams)**, 2014-2017
 - Editorial Review Board, 2010-2014
- *Systems Engineering*
 - **Associate Editor (inviting and managing review teams)**, 2013-2018
 - Editorial Review Board, 2003-2012
- *Journal of Modern Project Management*
 - **Academic Editor (primary advisor to the Editor-in-Chief)**, 2021-2022
 - Editorial Board, 2013-2020
- Guest editor, special issue
 - *International Journal of Operations and Production Management*, "Old Theories, New Contexts: Extending Operations Management Theories to Projects" (with Harvey Maylor, Jack Meredith, and Jonas Söderlund), **38**(6), 2018

IV.5.3 Ad-hoc Reviews for Journals (259 total manuscripts, inc. revisions)

IV.5.4 Conference Session Chair / Panelist / Discussant / Organizer Roles

- International Design Structure Matrix (DSM) Conference (annual): Program Chair and Local Chair (Host), 2015; Session Chair, 2003-2004, 2007-2020; Technical Co-Chair, 2005-2006; Program/Scientific Committee, 2009-2020
- *Journal of Operations Management (JOM)* mini-conference: Co-organizer and program co-chair, 2020
- POMS annual conference: Discussant, 2008; Track Co-Chair for the Product Innovation and Technology Management track, 2009; panelist, 2018; Twitter eDebate Thought Leader, 2018; OpEx mini-conference, panelist, 2019
- TCU Neeley School of Business Dean's Research Seminar Series (DRSS): Panelist, 2020
- Utility Supply Management Association (Fort Worth, TX): Panelist, 2017
- POMS Wickham Skinner Award for Teaching Achievements, Award Committee Member, 2017
- DSI Annual Meeting: Track Chair for the R&D and NPD Track, 2016; Panelist, 2019
- International Conference on Engineering Management (Xi'an Jiaotong University): Discussant, 2016
- International Design Conference: Session Chair, 2012
- International Conference on Modelling and Management of Engineering Processes (MMEP): Program Committee, 2010; Session Chair, 2010
- INFORMS Annual Conference: Session Organizer and Chair, 2005
- INCOSE Annual Conference: Session Chair, 2004
- World Conference on P&OM (co-organized by EurOMA, POMS, and JOMSA): Scientific Committee, 2016
- Knowledge Roundtable teleconference on Six Sigma in Product Development: Panelist, 2005
- AMA Consortium on Supply Chain Management: Session Chair, 2003
- D.H. Brown Associates Product Lifecycle Roadmap (PLM) Conference: Panelist, 2003
- Conference on Systems Integration: Session Moderator, 2003
- Lean Aerospace Initiative (LAI) focus team conference: Co-organizer, 2002

IV.5.5 Society Officer Positions and Elected Roles

- Secretary, POMS College of Product Innovation and Technology Management, 2010-2012

V. Industry Experience

V.1 Full-Time Appointments

Lockheed Martin Aeronautics Company Fort Worth, Texas

Senior Project Manager, Integrated Company Operations, Architecture and Process Integration, 2000-2003.
Senior Specialist, Engineering, Advanced Process Integration, 1999-2000. Internal consulting and applied research.

Honeywell, Inc. Clearwater, Florida
Software Development Engineer, 1993
Summer Intern, Software Simulation Developer, 1990
Developed software in FORTRAN, Pascal, and C.

V.2 Industry Honors and Awards

- Special Recognition Award and bonus for “leading and supporting process improvements and increasing process awareness,” Lockheed Martin, Dec. 2000

V.3 Consulting Engagements

- Booz Allen Hamilton (McLean, VA), 2009 (government sector)
- BNSF Railway (Fort Worth, TX), 2010-2011 (transportation sector)
- Cs Solutions (Euleess, TX), 2007 (oil and gas exploration sector)
- D.H. Brown Associates (later CPD Associates; Port Chester, NY), 2003 (industry research sector)
- GenCorp AeroJet (now Northrop Grumman; El Segundo, CA), 2001 (aerospace sector)
- General Motors, Vehicle Development Research Lab (Warren, MI), 2007-2008 (automotive sector)
- Husch Blackwell LLP (Dallas, TX), 2017-2018 (expert witness)
- Innosight/Boeing (Philadelphia, PA), 2013 (aerospace sector)
- Lhoist (Fort Worth, TX), 2014 (construction/commodities sector)
- Lockheed Martin Aeronautics Company (Fort Worth, TX), 2006 (aerospace sector)
- Lockheed Martin Corporation (Bethesda, MD), 2006, 2007 (complex systems sector)
- Oncor (Fort Worth, TX), 2020 (utilities sector)
- *ReliabilityFirst* (Akron, OH), 2012, 2020, 2021 (utilities sector)
- Seagate Technology (Bloomington, MN and Londonderry, Northern Ireland), 2005-2007 (data storage sector)
- Siemens Healthcare Diagnostics (Tarrytown, NY), 2017 (medical equipment sector)
- Southern California Edison (Rosemead, CA), 2007-2008 (utilities sector)
- U.S. Navy, Office of Naval Research (Washington, DC), 2008-2011 (ship design sector)