

Kevin J. Dooley

Employment

Arizona State University (1997-present)

- Distinguished Professor of Supply Chain Management (2003-present)
- Senior Global Futures Scientist, Global Futures Lab (2010-present)
- Professor of Management, Professor of Industrial Engineering (1997-2003)

The Sustainability Consortium (2008-present)

- Roles as Academic Director, Executive Co-Director, and Chief Scientist

Crawdad Technologies, Co-founder and CEO (2002-2013)

University of Minnesota (1987-97)

- Associate Professor of Mechanical Engineering (1992-97)
- Assistant Professor (1987-92)
- Director, Industrial Engineering Program (1993-97)

Education

University of Illinois

- Ph.D., Mechanical Engineering (1987), "A fault classification system for quality and productivity improvements in continuous processes" (Dr. Shiv Kapoor, Advisor).
- M.S., Industrial Engineering, (1984), "An integrated quality systems approach to quality and productivity improvement in continuous manufacturing processes" (Dr. Shiv Kapoor, Advisor).
- B.S., Industrial Engineering (1982)

Refereed Journal Publications

- Hafsa, F., Dooley, K., Basile, G., and Buch, R. (2022), "A typology and assessment of innovations for circular plastic packaging," *Journal of Cleaner Production*, 369 (133313), <https://doi.org/10.1016/j.jclepro.2022.133313>.
- Dooley, K., Thakker, V., Bakshi, B., Scholz, M., Hafsa, F., Basile, G., and Buch, R. (2022), "A multi-disciplinary assessment of innovations to improve grocery bag circularity," *Computer Aided Chemical Engineering*, 49: 625-630, <https://doi.org/10.1016/B978-0-323-85159-6.50104-4>.
- Golar, S., and Dooley, K. (2021), "Are dealers still relevant? How dealer service quality impacts manufacturer success," *Production & Operations Management* 30(10): 3560-3578, <https://doi.org/10.1111/poms.13450>.
- Bernard, M., Murphy, E., Gerber, L., and Dooley, K. (2021), "Ecosystem services as a paradigm for improving fisheries certification," *Ecosystem Services* 51, 101356, <https://doi.org/10.1016/j.ecoser.2021.101356>.
- Liu, Z., Hatton, R., Kull, T., Dooley, K., and Oke, A. (2021), "Is a large award truly attractive to solvers? The impact of award size on crowd size in innovation contests," *Journal of Operations Management* 67(4): 420-449, <https://doi.org/10.1002/joom.1132>.
- Kittinger, J., Bernard, M., Finkbeiner, E., Murphy, E., Obregon, P., Klinger, D., Schoon, M., Dooley, K., and Gerber, L. (2021), "Applying a jurisdictional approach to support sustainable seafood," *Conservation Science and Practice* 3(5): 1-14, <https://doi.org/10.1111/csp2.386>.

- Novak, D., Wu, Z., and Dooley, K. (2021), "Whose resilience matters? Addressing issues of scale in supply chain resilience," *Journal of Business Logistics* 42(3): 323-335, <https://doi.org/10.1111/jbl.12270>
- Azadegan, A., Dooley, K. (2021), "A typology of supply network resilience strategies: Complex collaborations in a complex world," *Journal of Supply Chain Management* 57(1): 17-26, <https://doi.org/10.1111/jscm.12256>.
- Flynn, B., Cantor, D., Pagell, M., Dooley, K., and Azadegan, A. (2021), "From the Editors: Introduction to managing supply chains beyond Covid-19 - Preparing for the next global mega-disruption," *Journal of Supply Chain Management* 57(1): 3-6, <https://doi.org/10.1111/jscm.12254>.
- Yan, T., Yang, Y., Dooley, K., and S. Chae (2020), "Trading-off innovation novelty and information protection in supplier selection for a new product development project: Supplier ties as signals," *Journal of Operations Management*, 66(7-8): 933-957, <https://doi.org/10.1002/joom.1079>. (Honorable Mention, Jack Meredith Best Paper Award, 2020)
- Dooley, K., Pathak, S., Kull, T., Wu, Z., Johnson, J., and Rabinovich, E. (2019), "Process network modularity, commonality, and greenhouse gas emissions," *Journal of Operations Management*, 65(2): 93-113, <https://doi.org/10.1002/joom.1007>.
- Johnson, J., Dooley, K., Hyatt, D., and Hutson, A. (2018), "Cross-sector relations in global supply chains: A social capital perspective," *Journal of Supply Chain Management*, 54(2): 21-33, <https://doi.org/10.1111/jscm.12166>.
- Yan, T., Yang, Y., and Dooley, K. (2017), "A theory of supplier network-based innovation value," *Journal of Purchasing & Supply Management*, 23(3): 153-162.
- Choi, B-J., Raghu, T.S., Vinze, A., and Dooley, K. (2017), "Effectiveness of standards consortia: Social network perspectives," *Information Systems Frontiers*, <https://doi.org/10.1007/s10796-017-9759-x>.
- Cheon, S., Maltz, A., and Dooley, K. (2017), "The link between economic and environmental performance of the top ten US ports," *Maritime Policy and Management*, 44(2): 227-247.
- Dooley, K. (2016), "Using manifest content analysis in purchasing and supply management research," *Journal of Purchasing and Supply Management*, 22(4): 244-246.
- Chen, Y-S., Dooley, K., and Rungtusanatham, M. (2016), "Using text analysis and process modeling to examine buyer-supplier relationship dissolution: The Ford-Firestone breakup," *Journal of Purchasing and Supply Management*, 22(4): 325-337.
- Ugarte, M., Dooley, K., and Golden, J. (2016), "Lean versus green: The impact of lean logistics on greenhouse gas emissions in consumer goods supply chains," *Journal of Purchasing and Supply Management*, 22(2): 98-109.
- Dooley, K., and Johnson, J. (2015), "Product category-level sustainability measurement: The Sustainability Consortium's approach to materiality and indicators," *Journal of Industrial Ecology*, 19(3): 337-339.
- Dooley, K. (2014), "The whole chain", *Science*, 244(6188): 1108.
- Kull, T., Oke, A., and Dooley, K. (2014), "Supplier selection behavior under uncertainty: Contextual and cognitive effects on risk perception and choice," *Decision Sciences*, 45(3): 467-505.
- Tate, W., Ellram, L., and Dooley, K. (2014), "The impact of transaction costs and institutional pressure on supplier environmental practices", *International Journal of Physical Distribution and Logistics Management*, 44(5): 353-372.

- Yan, T., and Dooley, K. (2014), "Buyer-Supplier collaboration quality in new product development projects," *J. of Supply Chain Management*, 50(2): 59-83.
- Yan, T., and Dooley, K. (2013), "Communication intensity, goal congruence, and uncertainty in buyer-supplier new product development," *J. of Operations Management*, 31: 523-542.
- Dooley, K., Kiel, D., and Dietz, S. (2013), "Introduction to the Special Issue on Nonlinear Organizational Dynamics," *Nonlinear Dynamics, Psychology, & Life Sciences*, 17(1): 1-2.
- Tate, W., Ellram, L., and Dooley, K. (2012), "Environmental purchasing and supplier management (EPSM): theory and practice," *J. of Purchasing and Supply Management*, 18(3): 173-188.
- Kach, A., Azadegan, A., Dooley, K. (2012), "Analyzing the successful development of a high novelty innovation project under a time-pressured schedule," *R&D Management*, 42(5): 377-400.
- Tate, W., Dooley, K., and Ellram, L. (2011), "Drivers of supplier adoption of sustainable business practices," *Journal of Business Logistics*, 32(1): 6-16.
- Tsoukas, H., and Dooley, K. (2011), "Introduction to the Special Issue "Towards the ecological style: Embracing complexity in organizational research", *Organization Studies*, 32(6): 729-735.
- Rossetti, C., Handfield, R., and Dooley, K. (2011), "Forces, trends, and decisions in pharmaceutical supply chain management: Theoretic implications," *International Journal of Physical Distribution and Logistics Management*, 41(6): 601-622.
- Kim, Y., Choi, T., Yan, T., and Dooley, K. (2011), "Structural analysis of supply networks," *Journal of Operations Management*, 29(3): 194-211.
- Terpend, R., Krause, D., and Dooley, K. (2011), "Managing buyer-supplier relationships: Empirical patterns of strategy formulation in industrial purchasing," *Journal of Supply Chain Management*, 47(1): 73-94.
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- Yan, T., Rabinovich, E., Dooley, K., and Evers, P. (2010), "Managing backlog variation in order fulfillment: The case of internet retailers," *International Journal of Production Economics*, 121: 161-168.
- Rossetti, C., and Dooley, K. (2010), "Job types in the supply chain management profession," *Journal of Supply Chain Management*, 46(3): 40-56.
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- Dooley, K., Yan, T., Mohan, S., Gopalakrishnan, M. (2010), "Inventory management and the bullwhip effect during the 2007–2009 recession: Evidence from the manufacturing sector," *Journal of Supply Chain Management*, 46(1): 12-18.
- Choi, B-J., Raghu, T.S., Vinze, A., and Dooley, K. (2009), "Process model for e-business standards development: A case of ebXML standards," *IEEE Transactions on Engineering Management*, 56(3): 448-467.
- Choi, T., and Dooley, K. (2009), "Supply networks: Theories and Models," Introduction to Special Issue, *Journal of Supply Chain Management*, 45(3): 25-26.
- Dooley, K. (2009), "The Butterfly effect of the Butterfly Effect," *Nonlinear Dynamics, Psychology, and the Life Sciences*, 13(3): 279-288.
- Dooley, K., and Letiche, H. (2009), "Guest editorial: Complexity and environment," *Emergence: Complexity and Organization*, 11(3): vi-viii.
- Dooley, K. (2009), "The empiricism-modeling dichotomy in operations and supply management," *Journal of Supply Chain Management*, 45(1): 38-43.
- Azadegan, A., Dooley, K., Carter, J., and Carter, P., (2008), "Supplier innovativeness, learning contingencies and manufacturer performance: An organizational learning perspective," *Journal of Supply Chain Management*, 44 (4): 14-35. (Finalist for the Harold E. Fearon Best Paper Award)
- Azadegan, A., Bush, D., and Dooley, K., (2008), "Design creativity: A static or dynamic capability?" *International Journal of Operations and Production Management* (28) 7: 636-662.
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- Lichtenstein, B., Carter, N., Dooley, K., and Gartner, W. (2007), "Complexity dynamics of nascent entrepreneurship," *J. of Business Venturing*, 22(2): 236-261. Reprinted in *Nascent Entrepreneurship*, 2011, Per Davidsson (ed.), Elgar Publishing.
- Lichtenstein, B., Dooley, K., and Lumpkin, T. (2006), "An emergence event in new venture creation: Measuring the dynamics of nascent entrepreneurship," *J. of Business Venturing*, 21(2):153-175.
- Patterson, L., Dooley, K. Baldwin, S. Eoyang, G, Holladay, R. Silva, R., and Webster, J.P. (2005). Exploring computerized text analysis to study literacy policy and practice. *54th Yearbook of the National Reading Conference*, 257-271.
- Dooley, K., and Corman, S. (2004), "Dynamic analysis of news streams: Institutional versus environmental effects," *Nonlinear Dynamics, Psychology, & Life Sciences*, 8(3): 403-428.
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- Dooley, K., and Zimmerman, B. (2003), "Merger as marriage: Communication issues in post-merger integration," *Health Care Management Review*, 28(1): 57-69.

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- Zimmerman, B., and Dooley, K. (2001), "Mergers versus emergers: Structural change in health care systems," *Emergence*, 3(4): 65-82.
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- Walker, C., and Dooley, K. (1999), "The stability of self-organized rule following work teams," *Computational and Mathematical Organization Theory*, 5(1): 5-30.
- Rungtusanatham, M., Anderson, J., and Dooley, K. (1999), "Towards measuring the SPC implementation/ practice construct: Evidence of measurement quality," *International Journal of Quality and Reliability Management*, 16(4): 301-329.

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- Rothenberger, M., and Dooley, K. (1999), "Measuring programmer performance in a reuse-driven software development environment," *Decision Sciences*, 30(4): 1131-1153.
- Usrey, M., and Dooley, K. (1998), "The measurement of consumer attitudes concerning software quality," *Quality Management Journal*, 5(2): 42-57.
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- Dooley, K., Skilton, P. and J. Anderson (1998), "Process knowledge bases: Facilitating reasoning through cause and effect thinking," *Human Systems Management*, 17(4): 281-298.
- Dooley, K. (1997), "A complex adaptive systems model of organization change," *Nonlinear Dynamics, Psychology, & Life Sciences*, 1(1): 69-97.
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- Dooley, K., and F. Mahmoodi (1992), "Identification of robust scheduling heuristics: application of taguchi methods in simulation studies," *Computers and Industrial Engineering*, 22(4): 359-368.
- Bush, D., and K. Dooley (1992), "A learning process for transformation to continuous improvement management," *Human Systems Management*, 11(4): 181-192.
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- Anderson, J., Dooley, K., and S. Misterek (1991), "The role of profound knowledge in the continual improvement of quality," *Human Systems Management*, 10(4): 243-260.
- Mahmoodi, F., and K. Dooley (1991), "A comparison of exhaustive and non-exhaustive group scheduling heuristics in a manufacturing cell," *International Journal of Production Research*, 29(9): 1923-1939.
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Books

- Baumann, W., Fristch, J., and K. Dooley (2007), *Network Maturity Model: An Integrated Process Framework for Computer Network Management*, Parket, CO: Outskirts Press.
- Poole, M., Van de Ven, A., Dooley, K., and M Holmes (2000), *Organizational Change and Innovation Processes: Theory and Methods for Research*, Oxford: Oxford Press. (Best Book Award, International Communication Association, Organizational Comm. Division, 2001.)

Other Publications

- Dooley, K. (2022), "Complex adaptive systems," in W. Tate, L. Ellram, and L. Bals (Eds.), *Handbook of Theories for Purchasing, Supply Chain and Management Research*, Edward Elgar Publishing, p. 335-344.
- Dooley, K., Lapka, R., Becerra, C., Ferrin, E. (2022), *The Power of Science-based Action: The Sustainability Consortium Impact Report 2022*, Tempe, AZ.: The Sustainability Consortium.
- Dooley, K. (2022), *The Little Circular Economy that Could*, Tempe, AZ.: The Sustainability Consortium.
- Dooley, K. (2021), "The Sustainability Consortium: Helping make all consumer products more sustainable," *Business View Magazine*, Sept 2, 2021.
- Dooley, K. (2021), "Conceptualizing organizational change through the lens of complexity science," in M.S. Poole and A. Van de Ven (eds.), *Handbook of Organizational Change and Innovation 2e*, Oxford: Oxford University Press, DOI: 10.1093/oxfordhb/9780198845973.013.20
- Ginger, J., Dooley, K., Becerra, C. (2021), *THESIS Industry Insights: Performance by Company Size*, Scottsdale, AZ.: The Sustainability Consortium.
- Dooley, K. (2021), "Complexity science and the organization sciences: 1999-2018," in E. Elliott and L. Kiel (eds.) *Complex Systems in the Social and Behavioral Sciences*, Ann Arbor, MI: University of Michigan Press, p. 64-82.
- Kosak, J., Ginger, J., Dooley, K., Becerra, C. (2021), *THESIS Industry Insights: Trends in Textiles*, Scottsdale, AZ.: The Sustainability Consortium.
- Dooley, K. (2021), *Project WearEver: Demonstrating the Feasibility of Using Digital Tags to Measure Clothing Use*, Scottsdale, AZ.: The Sustainability Consortium.
- Dooley, K., Mars, C., and Pilli, L. (2021), *Lead-Acid Battery Recycling Success: Policy + Reverse Supply Chains*, Scottsdale, AZ.: The Sustainability Consortium.
- Dooley, K. (2021), "Executive summary," "THESIS Scores 2020," "Champion categories," in *The Sustainability Consortium Impact Report 2021*, Scottsdale, AZ.: The Sustainability Consortium.
- Dooley, K., and Kosak, J. (2021), "Sustainable clothing needs both physical and emotional durability," *Textiles*, 2021 Issue 1, 24-26.
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- Dooley K.J. (2021), "Engaging Change: Andrew H. Van de Ven," in Szabla D., Pasmore W., Barnes M., Gipson A. (eds.) *The Palgrave Handbook of Organizational Change Thinkers*. Palgrave Macmillan, Cham. https://doi.org/10.1007/978-3-319-49820-1_61-1.
- Ginger, J., Dooley, K., Becerra, C. (2020), *THESIS Industry Insights: Packaging*, Scottsdale, AZ.: The Sustainability Consortium.

- Dooley, K., Bethem, J., Campbell, W., and Mars, C. (2020), "The local approach," *Resource Recycling*, May 2020, p. 28-31.
- Slay, C., and Dooley, K. (2020), *Climate Risks and Resilient Supply Chains*, Scottsdale, AZ.: The Sustainability Consortium.
- Dooley, K. (2020), "Executive summary," "Benefits and pricetag of consumer products", "THESIS Index", "THESIS Scores 2019," "Champion categories," in *The Sustainability Consortium Impact Report 2020*, Scottsdale, AZ.: The Sustainability Consortium.
- Dooley, K. (2019), "Trash, treasure, and everything in between," Book Review of Adam Minter's "Secondhand", *Science*, 366(6468): 960, Nov 22 2019, DOI: 10.1126/science.aaz5198.
- Dooley, K. (2019), "Executive summary," "Who we are", "THESIS Index", "Product Category Stories," "Over 60 club," in *The Sustainability Consortium Impact Report 2019*, Scottsdale, AZ.: The Sustainability Consortium.
- Dooley, K., Bethem, J., Thompson, W. (2019), *Waste Diversion Metrics*, Tempe, AZ: Arizona State University.
- Yan, T., Dooley, K., and Choi, T. (2018), "Measuring supplier innovation," *Supply Chain Management Review*, February 2018.
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- The Sustainability Consortium (2015), *Product Sustainability Toolkits V4.0*, K. Dooley, C. Slay, J. Ginger, J. Reijs, M. Lyon, and C. Helt (Eds.), Tempe, Arizona: Author.
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- Alsua, C., Dooley, K., and M. Rungtusanatham (1999), "Quality and national culture: An examination of U.S. developed quality culture and the empowerment of Mexican employees," *Iberoamerican Academy of Management Conference*, Madrid, December 1999.
- Dooley, K., Subra, A., and J. Anderson (1998), "The impact of maturity and best practices in new product development," *ASU Quality Management Conference*, (won "Best Paper" award).
- Christodoulidou, N., Amundson, S., and K. Dooley (1998), "Push and pull: Sequential, parallel or integrated?," *Production and Operations Management Society*, Las Vegas.
- Smyre, M., and K. Dooley (1998), "Team network characterization in integrated product development," *INCOSE 98*, p. 235-242.
- Dooley, K., Subra, A., and J. Anderson (1998), "The maturity construct and its application in new product development," *INFORMS Spring 1998 Meeting*, Toronto.
- Dooley, K., and Benjaafar, S. (1998), "Cellular automata for traffic flow modeling," *INFORMS Spring 1998 Meeting*, Toronto.
- Christodoulidou, N., Amundson, S., and K. Dooley (1998), "Push and pull technologies in new product development," *1998 Decision Sciences Conference*, Las Vegas (Proceedings on CD-ROM).
- Dooley, K., and J. Anderson (1998) "Process knowledge bases: Facilitating the application of deep knowledge," *1998 Decision Sciences Conference*, Las Vegas (Proceedings on CD-ROM).
- Rothenberger, M., and K. Dooley (1998), "Programmer performance measurement in a software reuse context," *1998 Decision Sciences Conference*, Las Vegas (Proceedings on CD-ROM).
- Choi, T., Rungtusanatham, M, and K. Dooley (1998), "The process and outcomes of implementing statistical process control: Towards an OL-based model," *1998 Decision Sciences Conference*, Las Vegas (Proceedings on CD-ROM).
- Collofello, J., Rus, I., Musco, C., and K. Dooley (1998), "Using software process simulation to assist software development organizations in making 'good enough quality' decisions," *1998 Summer Computer Simulation Conference*, Reno, pp. 63-68.
- Christodoulidou, N., Amundson, S., and K. Dooley (1998), "Demand-pull or technology-push? A new product development debate," *INFORMS Fall 1998 Meeting*.
- Rothenberger, M, Kulkarni, U. and K. Dooley (1998), "Critical success factors for software reuse projects," *International Conference on Information Systems (ICIS)*, Helsinki (Proceedings on CD-ROM).
- Rungtusanatham, M., Anderson, J., and K. Dooley (1997), "Towards measuring the spc implementation/practice construct: Preliminary psychometric evidence," *1997 International Meeting of the Decision Sciences Institute*, Sydney, Australia, pp. 530-532.
- Stevenson, S., Dooley, K., and Y. Kane-Esrig (1996), "Risk analysis of AIN architectures," *IEEE Intelligent Network 96 Workshop*, Australia.
- Dooley, K., Hamilton, P., West, B., Cherri, M., and P. Fisher (1996), "Chaotic behavior in adolescent birth rates in texas," *Southwest Sociological Association*, Houston.
- Stevenson, S., and K. Dooley (1996), "Calculating the risk of customer dissatisfaction," *IIE Research Conference*, Minneapolis, May 1996.

- Dooley, K., and R. Flor (1996), "The nonlinear dynamics of learning to automaticity," *Complexity, Society, & Liberty Conference*, Quebec, 1996.
- Subra, A., Dooley, K., and J. Anderson (1996), "A quality-theoretic framework for studying new product development," *PDMA Research Conference*.
- Dooley, K., and Van de Ven, A. (1996), "The nonlinear dynamics of innovation," *INFORMS Fall Conference*, Seattle.
- Rungtusanatham, M., Anderson, J., and K. Dooley (1996), "Conceptualizing organizational implementation and practice of statistical process control," *1996 National Meeting of the Decision Sciences Institute*, Orlando, pp. 1742-1744.
- Dooley, K., Anderson, J., Durfee, W., and D. Riley (1996), "Best practices, maturity, and diffusion in new product development," *1996 NSF Design and Manufacturing Division Grantees Conference*.
- Dooley, K., and R. Flor (1995), "A model of TQM success and failure," *IIE Research Conference*, Nashville, pp. 463-72.
- Dooley, K. (1995), "Estimating fractal dimension, with application to production systems," *IIE Research Conference*, Nashville, pp. 1025-32.
- Dooley, K. (1994), "Three models of organization change and their relationship to total quality management initiatives," *Conference for Managing at the Edge of Chaos*, Chicago.
- Johnson, T., and K. Dooley (1994), "Looking for chaos in time series data," *Proceedings of Society for Chaos Theory in Psychology and the Life Sciences*, Baltimore.
- Dooley, K., and S. Benjaafar (1994), "Chaos and complexity in manufacturing systems," *Evolving Complexity: Challenges to Society, Economy, and Individual*, Dallas.
- Dooley, K., and S. Guastello (1994), "Research methods for studying chaos and complexity," *Evolving Complexity: Challenges to Society, Economy, and Individual*, Dallas.
- Dooley, K., Johnson, T., and D. Bush (1993), "total quality management and the revolution in management paradigm," *Continual Improvement Conference*, North Central Deming Management Forum, Minneapolis.
- Rungtusanatham, M., Anderson, J., and K. Dooley (1993), "Defining and characterizing the practice of statistical process control," *Continual Improvement Conference*, North Central Deming Management Forum, Minneapolis.
- Dooley, K., Johnson, T., and D. Bush (1993), "Some relationships between chaos, randomness, and statistics," *Chaos Network Conference*, St. Paul.
- Anderson, J., Dooley, K., and M. Rungtusanathman (1992), "Requisite knowledge areas for continuous improvement: Current practices and future research directions," *Continual Improvement Conference*, North Central Deming Management Forum, Minneapolis, pp. 51-69.
- Bush, D., and K. Dooley (1992), "Group as a process," *Continual Improvement Conference*, North Central Deming Management Forum, Minneapolis, pp. 255-266.
- Dooley, K., Bush, D., and T. Johnson (1992), "Quantitative models of learning: Neural, cognitive, and organizational," *Chaos Network Conference*, Santa Cruz, pp. 107-113.
- Dooley, K. (1992), "Total quality management and chaos theory," *American Psychological Society*, San Diego.
- Liu, X., Dooley, K., and J. Anderson (1992), "Multiple model inferencing for quality improvement," *Decision Science Institute*, San Francisco, pp. 1436-1438.

- Anderson, J., Dooley, K., X. Liu (1991), "Knowledge for process improvement," *Continual Improvement Conference*, Minneapolis, Minnesota, pp. 179-192.
- McLean, G., Dooley, K., and J. Anderson (1991), "University of Minnesota cross-college certificate in organizational quality transformation," *Midwest Business Teaching Conference*, Minneapolis, Minnesota.
- Guo, Y., and K. Dooley (1991), "Estimation of change points in quality control," *International Conference on Productivity*, Singapore, pp 287-297.
- Dooley, K. (1991), "Chaos and the Deming management method," *Chaos Network Conference*, Washington, D.C., pp. 69-72.
- Dooley, K. (1991), "Total quality management and decision making at a university," *Annual Symposium on the Role of Academia in National Competitiveness and Total Quality Management*, Los Angeles, pp. 259-262.
- Vig, M., Dooley, K., and P. Starr (1991), "A system dynamics approach for modeling and evaluating order review and release strategies," *Decision Science Institute*, Miami.
- Anderson, J., Dooley, K., and S. Misterek (1990), "Profound knowledge: Exploring theoretical foundations," *Continual Improvement: Proceedings of the North Central Deming Management Forum Conference*, Minneapolis, Minnesota.
- Vig, M., Dooley, K., and P. Starr (1990), "Developing an interactive simulation model," *Proceedings of the SCS Eastern Multiconference*.
- Dooley, K. (1990), "Interactions between dispatching rules and workstation location," *Proceedings of the Midwest Decision Science Conference*, pp. 55-58.
- Misterek, D., Anderson, J., and K. Dooley (1990), "The strategic nature of process quality," *Proceedings of the Decision Science Institute*, pp. 1517-1519.
- Misterek, D., Dooley, K., and J. Anderson (1990), "Issues in the measurement of productivity," *Proceedings of the Decision Science Institute*, pp. 1709-1711.
- Mahmoodi, F., Dooley, K., and P. Starr (1990), "Order releasing and due date assignment in cellular manufacturing," *Proceedings of the Decision Science Institute*, pp. 1601-1603.
- Guo, Y., and K. Dooley (1990), "The application of neural networks to a diagnostic problem in quality control," *Monitoring and Control of Manufacturing Processes*, ASME Winter Annual Meeting, PED-44, pp. 111-122.
- Mahmoodi, F., and K. Dooley (1989), "Developing robust scheduling heuristics via Taguchi methods," *Proceedings of the Decision Science Institute*, pp. 908-910.
- Mahmoodi, F., K. Dooley, and P. Starr (1988), "Improving due date performance in cellular manufacturing," *Proceedings of the Midwest Decision Sciences Institute*, pp. 205-207.
- Mahmoodi, F., K. Dooley, and P. Starr (1988), "A comparison of dynamic scheduling heuristics for cellular manufacturing," *Proceedings of the Decision Sciences Institute*, pp. 893-895.
- Dooley, K., Dessouky, M., DeVor, R.E., and S.G. Kapoor (1987), "Statistical process control for maintenance activities in manufacturing," *Quality: Design, Planning, and Control*, ASME-PED 27: 93-104.

Invited Talks

- "Working With industry on supply chain sustainability issues, CARISCA Lecture Series, October 2022.
- "Consumer goods and supply chain sustainability," ASCM-Phoenix, October 2022.

- “Consumer goods and supply chain sustainability,” ASCM-Columbus, October 2022.
- “Circular innovations for plastic packaging,” Future of Packaging Conference, March 2022.
- “Supply chains: Why sustainability is the best form of risk management,” Global Association of Risk Professionals, June 2022.
- “Sustainable fashion,” Behind the Seams Conference,” May 2022.
- “Scope 3 emissions and supply chain transparency,” GreenBiz, February 2022.
- “THESIS Index: Measuring sustainable supply chains,” National Center for APEC, October 2021.
- “The sustainable supply chain journey,” Supply Shift Summit 2021.
- “Sustainability careers in businesses,” Purdue University, March 2021.
- “Improving consumer products through the Sustainability Index,” Purdue University, March 2021.
- “Creating a circular, sustainable and profitable SME ecosystem,” ASU SCM/SME Logistics Alliance, March 2021.
- “Leveraging purchasing power to reduce carbon impacts,” ASU Security and Sustainability Forum, March 2021.
- “Circular plastics 2020-2030: Some scenarios,” Companies for Net Zero, January 2021.
- “Supply chain management: Fundamentals and current directions,” U.S. Air Force Chemicals Program, December 2020.
- “3PL: Current and future environmental considerations,” Kenco, November 2020.
- “Organizational change, innovation, sustainability and the food production system,” Supply Chain Canada Annual Conference, July 2020.
- “Supply chain transparency and resilience: A risk management perspective,” Retail Industry Leadership Association Conference, September 2020.
- “Supply chain sustainability,” UN Global Compact Industry Conference, Scottsdale, AZ, Nov 2019.
- “Sustainability and complex adaptive systems,” KM World 2019, Washington, D.C., Nov 2019.
- “Materials in society,” The Sustainability Consortium Summit, Chicago, May 2019.
- “TSC Impact Report 2019 preview,” The Sustainability Consortium Summit, Chicago, May 2019.
- “TSC Impact Report 2018 preview,” The Sustainability Consortium Summit, Chicago, May 2018.
- “What’s next in sustainable logistics,” The Sustainability Consortium Summit, Chicago, May 2018.
- “Changing consumer behavior in sustainability,” The Sustainability Consortium Summit, Chicago, May 2018.
- “Feeding a growing world: Food security by 2050,” Net Impact Conference, Phoenix, October 2018.
- “Sustainable operations and logistics,” RILA Supply Chain Conference, Phoenix, April 2018.
- “Environmental benefits of cold water washing,” Arizona Science Museum, February 2018.
- “Supply chain alignment of farm metrics,” ARPA-E Smart Farms Conference, Phoenix, February 2018.
- “Changing consumer behavior in sustainability,” GreenBiz University Conference, Tempe, February 2018.
- “Managing sustainable supply chains,” CAPS Sustainability Workshop, Tempe, AZ, September 2017.
- “TSC: A market-based solution to improving sustainability,” Baldrige National Excellence Award Conference, Tempe, AZ, November 2017.
- “Supply chain sustainability, AHHMA, Phoenix, AZ, October 2017.
- “TSC Impact Report 2017 preview,” The Sustainability Consortium Summit, Washington, D.C., May 2017.
- “Cold Water Saves,” The Sustainability Consortium Summit, Washington, D.C., May 2017.
- “Demystifying packaging metrics and KPIs”, Sustainable Packaging Conference, Phoenix, AZ, April 2017.

- “From blind spots to hot spots to action,” University of Minnesota, February 2017.
- “Making the move to renewable energy,” The Sustainability Consortium Summit, Washington, D.C., May 2016.
- “TSC and the Circular Economy,” The Sustainability Consortium Summit, Washington, D.C., May 2016.
- “Sustainability risks in consumer supply chains: How are companies doing?” ISM Conference, April 2016.
- “Purchasing renewable energy to meet climate change goals,” ISM Conference, April 2016.
- “Making the move to renewable energy,” TSC Summit, April 2016.
- “TSC and the circular economy,” TSC Summit, April 2016.
- “Using complex adaptive systems for CE design and implementation,” Disruptive Innovation Festival, October 2015.
- “Sustainable supply networks,” Walton Sustainability Solutions Initiative Food Systems Workshop, September 2015.
- “The Sustainability Consortium - Using Science and Multi-Stakeholder Engagement to Improve Consumer Products,” International Society of Sustainability Professionals,” March 2015.
- “Implementing the Walmart Sustainability Index: Five supply chain lessons,” ASU SCM Research Seminar, September 2015.
- “The Sustainability Consortium: What We Do and Goals for the Future,” GreenBiz University, February 2015.
- “State of sustainable production and consumption,” Verde Xchange Arizona, February 2015.
- “Improving consumer product sustainability through measurement and reporting,” ASU SCM Research Seminar, October 2014.
- “A product category life cycle approach to more sustainable consumer products,” National Research Council, December 2013.
- “A product category life cycle approach to more sustainable consumer products,” American Forestry Presidents Association, November 2013.
- “A product category life cycle approach to more sustainable consumer products,” International Council on Metal Mining, October 2013.
- “A product category life cycle approach to more sustainable consumer products,” Product Development Management Association, May 2013.
- “Improving products and supply chains through multi-stakeholder engagement,” ISM Sustainability Conference, Manhattan Beach, CA, October 2012.
- “The Sustainability Consortium: Improving consumer products through sustainability measurement and reporting,” Retail Industry Leadership Association, Phoenix, AZ, October, 2012.
- “Driving product life cycle improvement through measurement and reporting, Product Stewardship Institute, May 2012.
- “The Sustainability Consortium: Improving consumer products through sustainability measurement and reporting,” NARS, Tempe, AZ, March 2012.
- “The vision and goals of The Sustainability Consortium,” presentation to Council of Japanese Ministries, Tokyo, Japan, January 2012.
- “The Sustainability Consortium: An introduction for Japanese industry,” Society of Non-Traditional Technology, Tokyo, Japan, January 2012.
- “The Sustainability Consortium: Progress and theoretical lessons,” Duke University, October 2011.
- “Fostering Green Markets” Panel, Launch of the Global Institute for Sustainability The Americas Office, Tecnológico de Monterrey, Mexico City, September 2011.

- “Product sustainability developments in consumer electronics,” SESH Conference, Phoenix, AZ, May 2011.
- “The synergies of cross-sector sustainability efforts,” Design and Software Symposium, COFES 2011, Scottsdale, AZ, March 2011.
- “Logistics and supply chain issues in product sustainability,” Logistics & Supply Chain Forum, Scottsdale, AZ. October 2010.
- “New trends in sustainable agriculture,” Safeway, Tempe September 2010.
- “Sustainability issues in consumer electronics,” ITI Conference, San Francisco August 2010.
- “The Sustainability Consortium: Vision and progress,” Digital Entertainment Group, LA June 2010.
- “Critical issues in electronics sustainability,” Intel, Tempe May 2010.
- “Principles and systems for product sustainability,” Association of Home Appliance Manufacturers, April 2010.
- “The Sustainability Consortium: Current progress,” Research Chefs of America (keynote), Scottsdale, March 2010.
- “The Sustainability Consortium,” NARS, Tempe March 2010.
- “New trends in product sustainability,” Sustainable Opportunities Summit, Denver, March 2010.
- “Sustainable product indexing: An insider view,” AMR Research Conference, Boston, November 2009.
- “A vision for sustainable product indexing,” University of Arkansas, Dept. of Supply Chain Management, October 2009.
- “Using technology to track political blogs,” Social Media Club-Phoenix, October 2007.
- “Wonkosphere,” Refresh Phoenix, October 2007.
- “Social networking and social capital,” Plexus Institute, May 2007.
- “Building your portfolio: Maintaining mobility,” Decision Science Conference Workshop, November 2006.
- “Grassroots computing,” Plexus Institute, September 2006.
- “Quantitative methods for process research,” Academy of Management Professional Development Workshop, August 2006.
- “Smart networks,” Plexus Institute, March 2006.
- “Project management for entrepreneurs,” ASU Edson Center, March 2006.
- “Research methods for studying the dynamics of leadership,” Center for Creative Leadership and George Washington University, November 2005.
- “The media life of organizations,” ASU Marketing Department Seminar, November 2005.
- “Building your Portfolio: Maintaining Mobility,” Decision Science Conference Workshop, November 2005.
- “Quantitative Methods for Process Research,” Academy of Management Professional Development Workshop, August 2005.
- “Text Modeling of Leadership Discourse,” Center for Creative Leadership, April 2005.
- “Advances in Dynamic Modeling of Communication,” Psychology Dept., ASU East, March 2005.
- “Iridium’s House of Cards,” ASU SCM Dept. Seminar, November 2004.
- “Opportunities in Qualitative Data Research,” Catalyst Women’s Center, November 2004.
- “The Crawdad Campaign Dashboard,” ASU Political Science Dept. Seminar, October 2004.
- “Entrepreneurial Essentials,” AZTE Lecture Series, September 2004.
- “Social Networks in Theory and Practice,” Human System Dynamics Institute, July 2004.
- “Text Analysis of Strategic Planning Discourse,” Arizona Highways Magazine, May 2004.
- “Crawdad Launchpad Presentation,” ASU Technopolis, March 2004.

- "Centering Resonance Analysis," US AFOSR, February 2004.
- "Opportunities in Longitudinal Qualitative Studies, Syracuse University, February 2004.
- "CRA For Text Mining," EDS Corp., July 2003.
- "Lessons from an Academic Entrepreneur," ASU Technology Venture Club, April 2003.
- "Recent Trends in Technology Management, Motorola Beijing, March 2003.
- "A Conversation about Uncertainty and Surprise," Plexus Institute, January 2003.
- "Writing a Successful Business Plan," ASU MBA Entrepreneur's Club, November 2002.
- "Getting Published," ASU Preparing Future Faculty, April 2002.
- "Attaining Top-Tier Performance in Airline Operations," ASU COB Dean's Board of Excellence, March 2002.
- "Facilitating Knowledge Management Through Novel Information Technology," ASU Community Enrichment Program, March 2002.
- "Temporal Patterns in Legislative Bill Production," California State Library Foundation, February 2002.
- "Facilitating Knowledge Management with Novel Information Technology," ASU Journey of the Minds Program, January 2002.
- "Complexity in Health Care," ASU Health Services Program, January 2002.
- "Centering Resonance Analysis for Knowledge Management," Intel, August 2001.
- "Applications of Centering Resonance Analysis," University of Toronto, May 2001.
- "Complexity for the Right Time, Right Place," Children Now, May 2001.
- "An Analysis of IMEC 1995-2000," Intel, December 2000.
- "Knowledge Directory Demonstration: Cawdad," ASU Manufacturing Institute, October 2000.
- "Practical Applications of Complexity in Healthcare," VHA Mountain States, October 2000.
- "Applied Complexity: Modeling Health Care," Univ. of Minnesota, April 2000.
- "Technology and Its Development: Some Current Insights," Motorola Beijing, March 2000.
- "Disruptive Technologies," Motorola Tienjin (China), March 2000.
- "Explaining Complex Organizational Dynamics," Tsinghua University, Beijing, March 2000.
- "Explaining Complex Organizational Dynamics," Sunbreak2000, New Mexico State Univ., February 2000.
- "Quality Systems for Product Development," BF Goodrich, January 2000.
- "Applying Quality Principles to New Product Development," Arizona Quality Conference, October 1999.
- "The Future of Operations Management," Academy of Management Conference, August 1999.
- "Complexity and Management," Academy of Management Conference, August 1999.
- "Complexity and Social Issues in Management," Academy of Management Conference, August 1999.
- "Writing Research Grants," Academy of Management Conference, August 1999.
- "Quality: Getting Beyond the Basics with Complexity," VHA Annual Leadership Conference, May 1999.
- "Business Implications of Complex Systems Theory," Clarkson University, May 1999.
- "Real and Perceived Differences Between Business and Engineering," AZ Helicopter Soc., Jan. 1999.
- "Understanding Complex Organizational Dynamics," Organization Science Winter Conference, Jan. 1999.
- "Can Engineers Be Taught to Be Creative?," ASU IMSE Dept. Seminar, February 1998.
- "The Dynamics of Industrial Innovation," ASU Systems Research Center, November, 1997.
- "Business Implications of Rapid Prototyping," ASU Prism, November, 1997.

- "Real and Perceived Differences Between Business and Engineering," Manufacturing Inst., October 1997.
- "Nonlinear Systems Modeling of Traffic Flow," Center for Transportation Studies, April 1997.
- "The Paradigm of Complex Systems," Minnesota Extension Service, October 1996.
- "Everything You Always Wanted to Know About... Creativity," Honeywell, October 1996.
- "A Case Study in Writing an MQA Assessment," MQA Conference, October 1996.
- "Linear and Nonlinear Time Series Analysis: State of the Art," 3M, October 1996.
- "Process Management and Moving Towards Six Sigma," Allina Health Systems, September 1996.
- "Research in Product Development, 3M, August 1996.
- "Organizational Systems Thinking," UM Quality, May 1996.
- "The Risk of Customer Dissatisfaction," Honeywell, May 1996.
- "The Risk of Customer Dissatisfaction," Medtronic, May 1996.
- "SPC at Honeywell SSEC," Honeywell, April 1996
- "Response Surface Methods for Multiple Responses, 3M, March 1996
- "Chaos and Complexity in Manufacturing Systems," Honeywell Technology Center, October 1995.
- "Best Practices, Maturity, and Diffusion in New Product Development, Honeywell, September 1995.
- "Research Methods for Chaos and Complexity," Texas Woman's University, August 1995.
- "The Quality Planning Tools and Software Testing," St. Thomas, June 1995.
- "Adding Value in Product Development," Medical Alley, June 1995.
- "The Quality Planning Tools and Software Testing," Mn. Quality Assurance Professionals, May 1995.
- "Why Won't My TQM Program Produce Change," Mn. Quality Conference, October 1994.
- "Managing Rapid Change at the Edge of Chaos," Mn. Quality Award Conference, October 1994.
- "Managing Rapid Change at the Edge of Chaos," Agronomy Dept. Retreat, September 1994.
- "Making Chaos Work for You," U. of Minnesota QII, June 1994.
- "Quality Management: Implications for Individual and Social Psychology," Wisconsin Psychological Society, June 1994.
- "Chaos and Randomness," Arizona State University, April 1994.
- "Quality Improvement Methods in Electronics Manufacturing," EE Dept. Seminar, February 1994.
- "Chaos and Randomness," ME Dept. Seminar, February 1994.
- "Chaos, Randomness, and Process Modeling," 3M, February 1994.
- "The Self-Organized Classroom," Clarkson University, October 1993.
- "Teaching Innovations at the University of Minnesota," Clarkson University, 1993.
- "Some Implications of Chaos Theory to Research in Business," Operations and Management Science Department Seminar, U. of Mn, September 1993.
- "Implications of Chaos Theory to New Product Development," Product Development Management Association, September 1993.
- "Departmental Quality," Annual Symposium on the Role of Academia in National Competitiveness and Total Quality Management, Bethlehem, PA, July, 1992.
- "Total Quality Management and Chaos Theory," American Psychological Society, San Diego, July, 1992.
- "The Seven New Tools and Quality Function Deployment," St. Thomas University, St. Paul, October, 1991.
- "The Theoretical Foundations of Quality," U of M Vocational Education Dept., September, 1991.
- "Total Quality Management and Decision Making at a University," Annual Symposium on the Role of Academia in National Competitiveness and Total Quality Management, Los Angeles, June, 1991.

- "Chaos and the Deming Management Method," Chaos Network Conference, Washington, D.C., June, 1991.
- "Deming Prize and Baldrige Award," Japanese TQC in America Conference, Minneapolis, May, 1991.
- "TQC in a University," Minnesota Quality Conference, Minneapolis, April, 1991.
- "TQC in Education," North Central Deming Management Forum, Minneapolis, March, 1991.
- "Theory of Knowledge," Deming Forum, October, 1990.
- "The Seven New Tools of QC," St. Thomas University, October, 1990.
- "The Seven New Tools of QC," UM Student IIE, May 1990.
- "Opportunities in Quality in VoTech," Special Services Department, March, 1990.
- "Deming's Concept of Profound Knowledge," Midwest Engineer's Conference, January 1990.
- "The Seven New Quality Planning Tools," JIT-TQC Seminar January 1989; NCR Comten Leadership Alliance, February, 1989; Rosemount December 1989.
- "Practical Aspects of Simulation," Industrial Engineers Monthly Meeting, Minneapolis Section, 1988.
- "Quality Control in Dynamic Systems," University of Minnesota Decision Sciences Ph.D. Symposium, 1988.
- "Scheduling for Set-Up Reduction in Cellular Manufacturing," University of Minnesota Mechanical Engineering, November 1988.
- "Continuous Quality Improvement to Reduce Manufacturing Costs," Management Science Symposium, University of Minnesota, Winter 1988.
- "Continuous Quality Improvement to Reduce Manufacturing Costs," Midwest Engineers Conference, Minneapolis, January 1988.

Honors

- Distinguished Scholar Award, 2022, Academy of Management, Operations and Supply Chain Management Division.
- Top Cited Article 2020-21, Journal of Operations Management, for Yan, T., Yang, Y., Dooley, K., and S. Chae (2020), "Trading-off innovation novelty and information protection in supplier selection for a new product development project: Supplier ties as signals," *Journal of Operations Management*, 66(7-8): 933-957, <https://doi.org/10.1002/joom.1079>. (Honorable Mention, Jack Meredith Best Paper Award, 2020)
- Top Cited Article 2020-21, Journal of Business Logistics, for Novak, D., Wu, Z., and Dooley, K. (2021), "Whose resilience matters? Addressing issues of scale in supply chain resilience," *Journal of Business Logistics* 42(3): 323-335, <https://doi.org/10.1111/jbl.12270>
- Honorable Mention, Jack Meredith Best Paper Award, 2020. (Yan, T., Yang, Y., Dooley, K., and S. Chae (2020), "Trading-off innovation novelty and information protection in supplier selection for a new product development project: Supplier ties as signals," *Journal of Operations Management*, 66(7-8): 933-957.)
- Winner of Best Theory-Driven Empirical Paper, 2019 *Decision Sciences Institute Conference*, New Orleans, LA. (Hsu, K., and Dooley, K., "Corporate greenhouse gas emissions: Setting goals for operational efficiency.")
- Biography published: Eoyang, G. (2017), "Kevin J. Dooley: Complexity – Simple and Useful," in *The Palgrave Handbook of Organizational Change Thinkers*, D. Szabla, W. Pasmore, M. Barnes, and A. Gipson (eds.), p 435-450, London: Palgrave Macmillan.

- Winner of Best Theoretical Research Paper, 2017 *Decision Sciences Conference*, Washington, D.C. (Behraves, S-A., Kinicki, A., Basile, G., and Dooley, K., "Uncovering sustainable business practice bundles.)
- Winner of Best Student Paper, OSCM Division, 2016 *Academy of Management Conference*, Anaheim, CA. (Golara, S., and Dooley, K., "The influence of manufacturing services on innovation).
- In 2015 ASU highlighted The Sustainability Consortium as one of the exemplars of the New American University in a film produced for the Arizona Board of Regents.
- Wrote an invited editorial about sustainable supply chains for *Science* in 2014.
- *Scientific American* named the research project I was managing one of the "Top Ten World Changing Ideas in 2012".
- Identified as 8th most "impactful" business faculty in world in 2010 by an Editorial by the journal *Technovation* (22: 2012).
- Associate Editor Appreciation Award (2010): *Journal of Supply Chain Management*.
- Associate Editor Appreciation Award (2009): *Journal of Supply Chain Management*.
- Best Reviewer Award (2008): *Journal of Operations Management*.
- Finalist for the Harold E. Fearon Best Paper Award (2008): Azadegan A., Dooley K., Carter J., and Carter P. "Supplier innovativeness, learning contingencies and manufacturer performance: An organizational learning perspective," *Journal of Supply Chain Management*, 44 (4): 14-35.
- Associate Editor Appreciation Award (2008): *Journal of Supply Chain Management*.
- Best Book Award (2001), International Communication Association, Organizational Communication Division: Poole, M., Van de Ven, A., Dooley, K., and M Holmes (2000), *Organizational Change and Innovation Processes: Theory and Methods for Research*, Oxford Press.
- Research featured in NSF-SBE Science Nuggets, "New Product Development: Do Best Practices Make Perfect?" (www.nsf.gov/sbe/nuggets/027/nugget.htm), 1999.
- Paper "The Impact of Maturity and Best Practices in New Product Development," won Best Paper Award at *ASU Quality Management Conference*, February 1998.
- Paper "TQM, Chaos, & Complexity" named to the "Research Implications Hall of Fame," Anbar Electronic Intelligence (www.anbar.co.uk/anbar/excellence/authors.htm), 1997.
- Best Teacher Award, Industrial Engineering, University of Minnesota, 1995-96.
- "Best Speaker/Symposium", *Implications of Chaos Theory to New Product Development*, Product Development Management Association, 1993.
- Best Teacher Award, Management of Technology Program, University of Minnesota, Class of 1992.
- Quality Consultant to Honeywell Solid State Electronics Center (Minnesota Quality Award 1993; Malcolm Baldrige National Quality Award Site Visit 1991 & 1993), 1989-93.
- Faculty advisor for third place team (University of Minnesota) in Apple Computer's nation-wide contest "Design the Personal Computer of the Year 2000" with team members L. Linse, S. Litman, M. Vig, and B. Burns, with paper "CORE : A Personal Computer for the Year 2000", Fall 1987 (first place team was advised by Steven Wolfram).
- Member of Industrial Engineering honor society, Alpha Pi Mu.

Teaching

Recent Courses Taught

SCM 502, Introduction to Supply Chain Management
 SCM 581, Management of Technology
 SCM 587, Project Management
 SCM 591, Business and Sustainability

Executive Education and Professional Development

Risk Management, Six Sigma, Lean Manufacturing, Intro to SCM

Theses Advised*Ph.D.*

- Kang Hsu, "Three Essays on Firm Responses to Climate Change", 2020.
- Feng Cheng, "Firm Environmental and Social Sustainability in Supply Chains", 2020.
- Sina Golar, "Product-Service Bundles in the Manufacturing Sector," 2018.
- Shirley-Ann Behravesh, "Uncovering Relationships between Sustainable Business Practice Bundles, Organizational Culture, and Performance," 2017.
- Tingting Yan, "Communication, Goals and Collaboration in Buyer-Supplier Joint Product Design," 2011.
- Marco Ugarte, "Energy and Carbon Dioxide Impacts from Lean Logistics and Retailing Systems: A Discrete-event Simulation Approach for the Consumer Goods Industry," 2011.
- Arash Azadegan, "Supplier Innovation and the Impact of Organizational Learning," 2008.
- Marcos Primo, "Supply Failure and Recovery Incidents in Business-to-Business Exchanges," 2003.
- Carlos Alsua, "Psychological Empowerment and Goal Orientation," 2002.
- Anand Subra, "Assessing Maturity and Best Practices in New Product Development," 2000.
- Robert Monson, "The Contribution of Personality Traits and Context to the Career Success of Project Managers," 1999.
- Daniel Rand, "Modeling and Experimentation for Multi-Response Optimization," 1998.
- Mike Usrey, "Defining and Measuring Software Quality," 1997.
- David Bush, "Creativity in Real-World Engineering Design," 1997.
- Sylvia Stevenson, "A Risk Analysis Methodology for an Advanced Intelligent Telecommunications Network," 1995.
- Xiaohe Liu, "Process Knowledge Base for Continuous Process Improvement," 1992.
- Yuan Guo, "A Decision Support System for Enhanced Evaluation of Quality," 1991.
- Farzad Mahmoodi, "An Investigation of Dynamic Group Scheduling and Releasing Heuristics in Cellular Manufacturing", 1988.

M.S.

- Jennifer Brown, "Conversations with the Circular Consumer," 2020.
- Heather Turrentine, "Perceptions of Self-Efficacy and Controllability Regarding Outdoor Water Use," 2016.
- Andrea Nemer-Soto, "The Post-Consumer Waste Problem and Extended Producer Responsibility Regulations: The Case of Electronic Toys in British-Columbia," 2014.
- Ankita Thakur, "Comparative Life Cycle Assessment of Sunscreen Lotion using Organic Chemicals and Nano-Titanium Dioxide as UV Blockers," 2014.
- Ashwin Murali, "Role of Uncertainty in Streamlined Life Cycle Assessment: Exploring the Case of Petrochemical Refineries and Polymer Manufacturing Units," 2014.
- Lucky Sharma, "The Status of Green Purchasing in the Five Most Populous U.S. States," 2012.

- Thomas Redd, "The Interpersonal Determinants of Green Purchasing: An Assessment of the Empirical Record," 2012.
- Melissa Bernardo, "Assessment of Ecolabels and Life Cycle Assessments in Personal Care Products, 2012.
- Prashant Kondle, "Evaluating The Performance Of Centering Resonance Analysis As An Information Retrieval System," 2004.
- Venkatesh Selveraj, "A Case Study of the Ford-Firestone Disaster to Analyze Recovery Services in a Business-to-Business Environment," 2003.
- Saswat Mohanty, "Software Development Methodologies for Web-Based Applications," 2002.
- Bikram Kumai, "Analysis of the Bullwhip Effect in Supply Networks," 2002.
- Vijai Avatne, "Managing New Energy Technology Alternatives for India's Captive Power Industry," 2002.
- Juan Rosales, "Quality Issues in Network Operations," 2002.
- Makarand Shinde, "Enacted Roles in Cross Function Product Development Teams," 1998.
- Dirk Johnson, "New Product Development Process Improvement," 1997.
- Wibowo Setyawan, "A Cellular Automata Simulation of Traffic Flow," 1996.
- Lynn Linse, "Design and Implementation of a Bay Shipment Manager for Tank Truck Loading," 1994.
- Tim Johnson, "Decision Making in the Product Development Process," 1992.
- Michelle Vig, "Dynamic Estimation of Job Flowtime", 1989.

Ph.D. Committees

Arizona State University

Yousef Abdulsalam, Bill Baumann, Beom-jin Choi, Min Choi, Mike Greiner, Fatima Hafsa, Dan Houston, Oscar Huerta, SK Jeong, Yousoon Kim, Timothy Kuhn, Mei Li, ZZ Liu, Taha Moiz, Jason Nichols, John Parsons, Zak Rogers, Christian Rossetti, Marcus Rothenberger, Michael Sieng, Paul Skilton, Vee Subramaniam, Wendy Tate, Regis Terpend

University of Minnesota

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Professional Service

Current:

Trustee, Society for Chaos Theory in Psychology & Life Sciences (2002-present)

Past:

Member, Institute of Supply Management Sustainability Committee (2013-2018)

Member, Product Stewardship Institute Advisory Board (2013-2017)

Board of Directors, The Sustainability Consortium (2010-2012)

Board of Directors, Human System Dynamics Institute (2008-2010)
 Board of Directors, Plexus Institute (2000-2005)

Journal Editorial Boards

Current:

Associate Editor, J. Supply Chain Management (2008-present)
 Editorial Review Board, J. Business Logistics (2010-present)
 Editorial Board, Nonlinear Dynamics, Psychology, and Life Sciences (1996-present)
 Associate Editor, Elementa: Science of the Anthropocene (2014-present)

Past:

Decision Sciences (2004-2007), Emergence: A Journal of Complexity Issues in Organizations and Management (1998-2009), Human Relations (2006-2008), J. of Operations Management (1994-2005, 2007-2008), J. of Quality Management (1998-2002), Measuring Business Excellence (2000-2008), Organization Science (2002-2003), Quality Management Journal (1997-2006), Production and Operations Management (1999-2003).

University Service

Current Service

- The Sustainability Consortium (Senior Advisor, 2009-10; Executive Co-Director, 2010-11; Academic Director 2011; Chief Research Officer 2012-2014; Chief Scientist 2014-present)
- Complex Adaptive Supply Networks Reseach Accelerator (Co-Director, 2008-present)
- SCM Personnel Committee (2003-present; Chair 2004-2007, 2008-present)
- SCM Learning Enterprise (Director, 2022-present)
- SCM Ph.D. Committee (2000; 2003-present)
- ASU Sustainable Coffee Challenge Representative (2016-present)
- ASU U.S. Plastics Pact Representative (2020-present)
- ASU Net Impact (Co-Advisor, 2015-present)
- ASU Chainbreakers (Advisor, 2019-present)
- CARISCA (Advisor, 2021-present)

Significant Previous Service

- MBA Specilization in Sustainable Enterprise, Coordinator (2017-2022)
- Business Sustainability Undergraduate Degree, Coordinator (2015-2021)
- ASU President Professorship Nominating Committee (2015)
- SCM Department Seminar Series Coordinator (2006-2013)
- SCM Undergraduate Award Committee (2008-2012)
- Wal-Mart Better Living Business Plan Competition (ASU Director, 2009-2012)
- ASU University Committee on Intellectual Property (2004-2009)
- ASU Software Factory, Co-Director (2001-2005)
- ASU University Committee on Academic Freedom and Tenure (2001-2003; Chair in 2001/02)

- ASU Management Personnel Committee (1997-2002; chair, 1998-2001)
- ASU Industrial Engineering Personnel Committee (2000-2002; chair, 2000/01, 2002/03)
- U of Minnesota Director of Quality Improvement Initiative (1989-1990)
- U of Minnesota Program Director, Industrial Engineering & Operations Research (1992-97)

Significant Funded Projects

- "Training for Improving Plastics Circularity," NIST, 2022-24, \$500,000, co-PI (Tim Long, PI).
- "Analysis and Design for Sustainable Circularity of Barrier Film in Sheet Molding Composites," DOE REMADE, 2022-24, \$365,000, PI for subcontract from Ohio State U. to ASU.
- "Innovation Roadmaps for Circular Plastic Packaging," The Global Kaiteki Center, 2019-22, \$785,000, Principal.
- "Project WearEver," Target Foundation, 2018-19, \$100,000, Principal.
- "Vision for Green Chemistry," Target Foundation, 2018-20, \$340,000, Principal.
- "Waste Diversion Metrics," City of Phoenix, 2018-19, \$150,000, Principal.
- "The Sustainability Consortium," Member-funded organization, 2008-present, approximately \$5 million per year.
- "Supply Network Structure and Environmental Performance", NSF, 2011-12, \$310,000, Principle with Elliot Rabinovich, Tom Kull, Surya Pathak, Zioahe Wu.
- "A Superior Data Mining Algorithm for Textual Data Streams," AFOSR, 2003-06, \$850,000, Principal with Steven Corman (\$320,000 subcontract to ASU)
- "High Power and Communication Infrastructures for High Security Electricity Supply," Virginia Tech University (secondary to NSF), 2002-05, \$100,000.
- "Scaleable Theory of Enterprise: Control versus Emergence," NSF, 2000-01, \$200,000, co-principal with Tom Choi and Nong Ye.
- "Best Practices, Maturity, and Diffusion in New Product Development," NSF, 1996-99, \$270,000, Principal with John Anderson, Will Durfee, Don Riley.
- "Looking for Chaotic Dynamics in Traffic Flow," U.S. D.O.T., 1995-97, \$70,000, co-principal with Saif Benjaafar.
- "Knowledge Bases for Continual Improvement," 3M, 1991-92, \$75,000, Principal with John Anderson.