

Kevin J. Dooley

Employment

Arizona State University (1997-present)

- Professor of Supply Chain Management (2003-present)
- Professor of Management, Professor of Industrial Engineering (1997-2003)
- Affiliate Faculty, School of Sustainability (2008-present)

University of Minnesota (1987-97)

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

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

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)

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.)

Software

- Corman, S., and Dooley, K. (2007), *Wonkosphere 1.0*, Chandler, Arizona: Crawdad Technologies, LLC.
- Dooley, K., and Corman, S. (2007), *Crawdad Listening Post 1.0*, Chandler, Arizona: Crawdad Technologies, LLC.
- Corman, S. and Dooley, K. (2006), *Crawdad Text Analysis System 2.0*, Chandler, Arizona: Crawdad Technologies, LLC.
- Corman, S. and Dooley, K. (2003), *Crawdad Text Analysis System 1.0*, Chandler, Arizona: Crawdad Technologies, LLC.
- Dooley, K. (1985), *Statistical Process Control Software*, Champaign, IL: DeVor and Associates.

Patents

- Issued USPTO 7,165,023 (1/2007), "Method for mining, mapping, and managing organizational knowledge from text and conversation."
- Issued USPTO 7,295,967 (11/2007), "Dynamic centering resonance analysis."

Refereed Journal Publications

- [1] Rossetti, C., and Dooley, K. "Job types in the supply chain management profession," accepted for publication in *Journal of Supply Chain Management*.
- [2] Azadegan, A., and Dooley, K., "Supplier innovativeness, organizational learning styles and manufacturer performance: An empirical assessment," accepted for publication in *Journal of Operations Management*.
- [3] Golden, J.S., Dooley, K.J., Andreis, J.M., Thompson, B.H., Gereffi, G. and Pratson, L., "Sustainable product indexing: Navigating the challenge of eco-labeling," accepted for publication in *Ecology and Society*.
- [4] Yan, T., and Dooley, K., "Entry timing in a secondary market: When to trade?," accepted for publication in *International Journal of Production Economics*.
- [5] Skilton, P., and Dooley, K. (2010), "The effects of repeat collaboration on creative abrasion," *Academy of Management Review*, 35(1): 118-134.
- [6] 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.
- [7] 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.
- [8] Choi, T., and Dooley, K. (2009), "Supply networks: Theories and Models," Introduction to Special Issue, *Journal of Supply Chain Management*, 45(3): 25-26.
- [9] Dooley, K. (2009), "The Butterfly effect of the Butterfly Effect," *Nonlinear Dynamics, Psychology, and the Life Sciences*, 13(3): 279-288.
- [10] Dooley, K., and Letiche, H. (2009), "Guest editorial: Complexity and environment," *Emergence: Complexity and Organization*, 11(3): vi-viii.
- [11] Dooley, K. (2009), "The empiricism-modeling dichotomy in operations and supply management," *Journal of Supply Chain Management*, 45(1): 38-43.
- [12] 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)
- [13] 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.
- [14] Primo, M., Dooley, K., and Rungtusanatham, M. (2007), "Manufacturing firm reaction to supplier failure and recovery," *Int. J. of Operations & Production Management*, 27(3): 323-341.
- [15] Lichtenstein, B., Carter, N., Dooley, K., and Gartner, W. (2007), "Complexity dynamics of nascent entrepreneurship," *J. of Business Venturing*, 22(2): 236-261.
- [16] 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.
- [17] 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.
- [18] Dooley, K., and Corman, S. (2004), "Dynamic analysis of news streams: Institutional versus environmental effects," *Nonlinear Dynamics, Psychology, & Life Sciences*, 8(3): 403-428.

- [19] Rothenberger, M., Dooley, K., Kulkarni, U., and Nada, N. (2003), "Strategies for software reuse: A principal component analysis of reuse practices," *IEEE Transactions on Software Engineering*, 29(9): 825-837.
- [20] Dooley, K., Corman, S., McPhee, R., and T. Kuhn (2003), "Modeling high-resolution broadband discourse in complex adaptive systems," *Nonlinear Dynamics, Psychology, & Life Sciences*, 7(1): 61-86.
- [21] Dooley, K., and Zimmerman, B. (2003), "Merger as marriage: Communication issues in post-merger integration," *Health Care Management Review*, 28(1): 57-69.
- [22] Dooley, K., Corman, S., and McPhee, R. (2002), "A knowledge directory for identifying experts and areas of expertise," *Human Systems Management*: 21(4): 217-228.
- [23] McPhee, R., Corman, S., and Dooley, K. (2002), "Organizational knowledge expression and management: Centering resonance analysis of organizational discourse," *Management Communication Quarterly*, 16(2), p. 130-136.
- [24] Skilton, P., and Dooley, K. (2002), "Technological knowledge maturity, innovation and productivity," *International Journal of Operations and Production Management*, 22(8): 887-901.
- [25] Greiner, M., Dooley, K., Shunk, D., and McNutt, R. (2002), "An assessment of Air Force development portfolio management practices," *Acquisition Research Quarterly*, Spring: 117-142.
- [26] Dooley, K., Subra, A., and Anderson, J. (2002), "Adoption rates and patterns of best practices in new product development," *International Journal of Innovation Management*, 6(1): 85-103.
- [27] Corman, S., Kuhn, T., McPhee, R., and Dooley, K. (2002), "Studying complex discursive systems: Centering resonance analysis of organizational communication," *Human Communication Research*, 28(2): 157-206.
- [28] Zimmerman, B., and Dooley, K. (2001), "Mergers versus emergers: Structural change in health care systems," *Emergence*, 3(4): 65-82.
- [29] Dooley, K., Subra, A., and Anderson, J. (2001), "Maturity and its impact on new product development project performance," *Research in Engineering Design*, 13: 23-29.
- [30] Dooley, K., and Johnson, D. (2001), "Changing the new product development process: Reengineering or continuous quality improvement?," *Measuring Business Excellence*, 5(4): 32-38.
- [31] Choi, T., Dooley, K., and Rungtusanatham, M. (2001), "Supply networks and complex adaptive systems: Control versus emergence," *Journal of Operations Management* 19:351-366.
- [32] Dooley, K., Durfee, W., Shinde, M., and Anderson, J. (2000), "A river runs between us: Legitimate roles and enacted practices in cross-functional product development teams," *Advances in Interdisciplinary Studies of Work Teams: Product Development Teams*, Vol. 5, JAI Press: 283-302.
- [33] Dooley, K., Anderson, J., and Liu, X. (2000), "Process quality knowledge bases," *Journal of Quality Management*, 4(2): 207-224.
- [34] Avishai, B., M. Boisot, M. Cohen, K. Dooley, A. Kantrow, M. Lissack, B. McKelvey, T. Petzinger, and Rivkin, J. (2000), "Why do management research? The complexity perspective," *Emergence* 2(3): 9-18.
- [35] Dooley, K. (2000), "The paradigms of quality: evolution and revolution in the history of the discipline," *Advances in the Management of Organizational Quality*, Vol. 5, JAI Press: 1-28.
- [36] Dooley, K., and Van de Ven, A. (1999), "Explaining complex organizational dynamics," *Organization Science*, 10(3): 358-372.
- [37] Walker, C., and Dooley, K. (1999), "The stability of self-organized rule following work teams," *Computational and Mathematical Organization Theory*, 5(1): 5-30.

- [38] 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.
- [39] Baumann, W., Bhattacharya, S., Capone, J., Dooley, K., Fritsch, J., and Palangala, S. (1999), "The network maturity model for internet development", *IEEE Computer*, October: 117-118.
- [40] Rothenberger, M., and Dooley, K. (1999), "Measuring programmer performance in a reuse-driven software development environment," *Decision Sciences*, 30(4): 1131-1153.
- [41] Usrey, M., and Dooley, K. (1998), "The measurement of consumer attitudes concerning software quality," *Quality Management Journal*, 5(2): 42-57.
- [42] Comstock, T., and Dooley, K. (1998), "A tale of two QFDs", *Quality Management Journal*, 5(4): 32-45.
- [43] Flor, R., and K. Dooley (1998), "The Dynamics of Learning to Automaticity," *Noetic Journal*, 1(2): 168-173.
- [44] Dooley, K., and R. Flor (1998), "Perceptions of success and failure in total quality management initiatives," *Journal of Quality Management*, 3(2): 157-174.
- [45] 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.
- [46] Dooley, K. (1997), "A complex adaptive systems model of organization change," *Nonlinear Dynamics, Psychology, & Life Sciences*, 1(1): 69-97.
- [47] Rungtusantham, M., Anderson, J., and K. Dooley (1997), "Conceptualizing organizational implementation and practice of statistical process control," *Journal of Quality Management*, 2(1): 113-137.
- [48] Dooley, K., Anderson, J., and X. Liu (1997), "Model-Based Diagnosis of Special Causes in Statistical Process Control," *International Journal of Production Research*, 35(6): 1609-1616.
- [49] Dooley, K. (1997), "Use PDSA for crying out loud," *Quality Progress*, 30(10): 60-63.
- [50] Usrey, M., and K. Dooley (1996), "The dimensions of software quality," *Quality Management Journal*, 3(3): 67-86.
- [51] Dooley, K. (1996), "Quality engineering," *IEEE Engineering Management Review*, 24(4): 43-64; also published in *Handbook of Automation and Manufacturing Systems*, Dorf, R., and A. Kusiak, eds., New York: Wiley-Interscience, p. 619-648, 1994.
- [52] Guo, Y., and K. Dooley (1995), "Distinguishing between mean, variance, and autocorrelation changes in statistical quality control," *International Journal of Production Research*, 33(2): 497-510.
- [53] Liu, X., Dooley, K., and J. Anderson (1995), "Combining process knowledge for continuous quality improvement," *IIE Transactions*, 27(6): 811-19.
- [54] Dooley, K., Johnson, T., and D. Bush (1995), "TQM , chaos, and complexity," *Human Systems Management*, 14(4): 1-16.
- [55] Stevenson, S., Dooley, K., and J. Anderson (1994), "Best design practices: An analysis of U.S. Navy contractors," *Research in Engineering Design*, 6: 14-24.
- [56] Anderson, J., Dooley, K., and M. Rungtusanatham (1994), "Training and education for continual quality improvement," *Quality Progress*, 27(12): 57-62.
- [57] Vig, M., and K. Dooley (1993), "Mixing static and dynamic flowtime estimates for due-date assignment," *Journal of Operations Management*, 11: 67-79.
- [58] Mahmoodi, F., and K. Dooley (1992), "Group scheduling and order releasing: review and foundations for research," *Production Planning & Control*, 3(1): 70-80.

- [59] Misterek, D., Dooley, K., and J. Anderson (1992), "Productivity as a performance measure," *International Journal of Operations and Production Management*, 12(1): 29-45.
- [60] Dooley, K., and J. Anderson (1992), "On special causes which only affect a portion of the subgroup," *Computers and Industrial Engineering*, 22(3): 323-336.
- [61] Guo, Y., and K. Dooley (1992), "Identification of change structure in statistical process control," *International Journal of Production Research*, 30(7): 1655-1669.
- [62] 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.
- [63] Bush, D., and K. Dooley (1992), "A learning process for transformation to continuous improvement management," *Human Systems Management*, 11(4): 181-192.
- [64] Vig, M., and K. Dooley (1991), "Dynamic rules for due date assignment," *International Journal of Production Research*, 29(7): 1361-1377.
- [65] 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.
- [66] 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.
- [67] Dooley, K. and S.G. Kapoor (1990), "An enhanced quality evaluation system for quality improvement, part 1: Theory", *Journal of Engineering for Industry*, 112(1): 57-62.
- [68] Dooley, K. and S.G. Kapoor (1990), "An enhanced quality evaluation system for quality improvement, part 2: Application", *Journal of Engineering for Industry*, 112(1): 63-68.
- [69] Mahmoodi, F., Dooley, K., and P. Starr (1990), "An investigation of dynamic group scheduling heuristics in a job shop manufacturing cell," *International Journal of Production Research*, 28(9): 1695-1711.
- [70] Dooley, K., Bush, D., Anderson, J., and M. Rungtusanatham (1990), "The U.S. Baldrige award and Japan's Deming prize: Two guidelines for total quality control," *Engineering Management Journal*, 2(3): 9-16.
- [71] Mahmoodi, F., Dooley, K., and P. Starr (1990), "An evaluation of order releasing and due date assignment heuristics in cellular manufacturing," *Journal of Operations Management*, 9(4): 548-573.
- [72] Bush, D., and K. Dooley (1989), "The Deming prize and Baldrige award: How they compare," *Quality Progress*, January: 28-30.
- [73] Dooley, K., Kapoor, S., Dessouky, M., and R.E. DeVor (1986), "An integrated quality systems approach to quality and productivity improvement in continuous manufacturing processes," *Journal of Engineering for Industry*, 108(4): 322-327.

Journal Papers Under Review

- Tate, W., Ellram, L., and Dooley, K., "Environmental purchasing management: Theory and practice," under review at *Journal of Purchasing and Supply Management*.
- Tate, W., Dooley, K., and Ellram, L., "Drivers of supplier adoption of sustainable business practices," under 2nd revision at *Journal of Business Logistics*.
- Kim, Y., Choi, T., Dooley, K., and Yan, T., "Structural analysis of supply networks," under review at *Journal of Operations Management*.
- Yan, T., Rabinovich, E., Dooley, K., and Evers, P., "Managing backlog variation in order fulfillment: The case of internet retailers," under revision at *International Journal of Production Economics*.

Other Publications

- [1] Azadegan, A., and Dooley, K. (2010), "The rise of distributed control in operations management," to appear in *Handbook of Complexity and Management*, S. Maguire, W. McKelvey, and P. Allen (eds.), Sage.
- [2] Corman, S., and Dooley, K. (2010), "Knowledge management in a university setting," to appear in *Communication and Organizational Knowledge: Contemporary Issues for Theory and Practice*, H. Canary (ed.), New York, Routledge, Taylor, & Francis.
- [3] Mili, L., and Dooley, K. (2009), "Risk-based power system planning integrating social and economic direct and indirect costs," in *Economic Market Design and Planning for Electric Power Systems*, Lamine Mili and James Momoh (eds.), Wiley & Sons, p. 161-179.
- [4] Corman, S., and Dooley, K. (2008), *Strategic communication on a complex landscape: Search techniques for finding the right message*, Report number 0801, Consortium for Strategic Communication, Arizona State University.
- [5] Dooley, K. (2008), "Organizational psychology," in S. Gaustello, D. Pincus, & M. Koopmans (Eds.) *Chaos and Complexity: Recent Advances and Future Directions in the Theory of Nonlinear Dynamical Systems Psychology*. Cambridge, MA: Cambridge University Press, p. 434-451.
- [6] Dooley, K., and Lichtenstein, B. (2008), "Research methods for studying the dynamics of leadership," in Uhl-Bien, M., & Marion, R. (Eds.) *Complexity Leadership: Conceptual Foundations*. Charlotte, NC: Information Age Publishing, p. 269-290.
- [7] Dooley, K. (2007), "Leadership and a computational model of organizations," in J. K. Hazy, J. Goldstein & B. Lichtenstein (Eds.), *Complex Systems Leadership Theory*. Mansfield, MA: ISCE Publishing Company, p. 327-332.
- [8] Jennings, P. and Dooley, K. (2007), "Introduction to complex systems leadership theory: An emerging paradigm," in J. K. Hazy, J. Goldstein & B. Lichtenstein (Eds.), *Complex Systems Leadership Theory*. Mansfield, MA: ISCE Publishing Company, p. 17-34.
- [9] Williamson, J., Dooley, K., Corman, S. (2004), "Using text mining to create actionable knowledge: Application to network failure incident reports," *Lecture Notes in Computer Science*, Vol. 3336, D. Karagiannis & U. Reimer (Eds.), Springer-Verlag, p. 71-81.
- [10] Dooley, K., and Corman, S. (2004), "The dynamics of political messages," *Patterns* 2(8), August 13.
- [11] Dooley, K. (2004), "Complexity science models of organizational change," *Handbook of Organizational Change and Development*, S. Poole and A. Van De Ven (eds.), Oxford University Press, p. 354-373.
- [12] Dooley, K., Corman, S., and Ballard, D. (2004), *Centering Resonance Analysis: A Superior Data Mining Algorithm for Textual Data Streams*, Final Phase I STTR Report, US Air Force Office of Scientific Research, Contract Number F49620-03-C-0082.
- [13] Begun, J., Dooley, K., and Zimmerman, B. (2003), "Health care organizations as complex adaptive systems," in *Advances in Health Care Organization Theory* (S.M. Mick and M. Wyttenbach, eds.), San Francisco: Jossey-Bass.
- [14] Dooley, K., and S. Corman (2002), "Agent-based, genetic, and emergent computational models of complex systems," in *Encyclopedia of Life Support Systems* (EOLSS), L.D. Kiel (ed.), Oxford, U.K.: UNESCO/EOLSS Publishers (<http://www.eolss.net>).

- [15] Dooley, K. (2002), "Applying complexity: Really," in M. Lissack & J. Rivkin (eds.), *The Interaction of Complexity and Management*, Westport, CT: Greenwood Publishing Group, p. 73-76.
- [16] Dooley, K., and S. Corman (2002), "The dynamics of electronic media coverage," in B. Greenberg (ed.), *Communication and Terrorism: Public and Media Responses to 9-11*, Cresskill, NJ: Hampton Press.
- [17] Dooley, K. (2002), "Nonlinear dynamics 101: The NK model," *Society for Chaos Theory in Psychology and the Life Sciences*, 9(3): 3-6.
- [18] Dooley, K. (2002), "Determining a strategic organizational culture," a subarticle within the article "In the new era of supply management, initiative means everything," (J. Yuva), *Inside Supply Management* 13(2): 38.
- [19] Dooley, K. (2002), "Simulation research methods," *Companion to Organizations*, Joel Baum (ed.), London: Blackwell, p. 829-848.
- [20] Dooley, K. (2002), "Organizational complexity," *International Encyclopedia of Business and Management*, M. Warner (ed.), London: Thompson Learning, p. 5013-5022.
- [21] Corman, S., and K. Dooley (2001), "ASU professors analyze coverage of September 11 attacks," November 2001 (Arizona State University press release).
- [22] Dooley, K. (1999), "Edgware: Insights from Complexity Science for Health Care Leaders," *Complexity*, (book review).
- [23] Dooley, K. (1999), "The Unshackled Organization," *Emergence*, 1(2): 144-145 (book review).
- [24] Dooley, K. (1999), "A Science of Generic Design," *Emergence*, 1(2): 187-189 (book review).
- [25] Dooley, K., and F. Mahmoodi (1998), "Beyond TQM," *IEEE Engineering Management Review*, Vol. 26, No. 3 (Fall), 114 pages (special editors).
- [26] Dooley, K., Hamilton, P., Cherri, M., West, B., and P. Fisher (1997), "Chaotic Behavior in Society: Adolescent Childbearing in Texas, 1964-1990," *Chaos, Complexity, and Sociology*, M. Lee & R. Eve (eds.), Newbury Park, CA: Sage Publications, p. 243-268.
- [27] Eoyang, G., and K. Dooley (1996), "Boardrooms of the Future: The Fractal Nature of Organizations," *Fractals Horizons: The Future Use of Fractals*, Cliff Pickover (ed.), St. Martin's Press, p. 195-203.
- [28] Dooley, K. (1996), "Chaotic Dynamics and Autonomous Agents in Manufacturing," *Chaos Network*, 8(2): 14-23.
- [29] Dooley, K. (1996), "Reiventing Industrial Psychology: A Review of Stephen Guastello's *Chaos, Catastrophe, and Human Affairs*," *Chaos Network*, 8(1): 4-5 (book review).
- [30] Johnson, T., and K. Dooley (1996), "Looking for Chaos in Time Series," *Nonlinear Dynamics in Human Behavior*, W. Sulis & A. Combs (eds), Singapore: World Scientific, p. 44-76.
- [31] Dooley, K., Van de Ven, A. (1996), "The Nonlinear Dynamics of Innovation," *Society for Chaos Theory in Psychology and the Life Sciences*, 4(1):1-2.
- [32] Rand, D., and K. Dooley (1996), "Modeling and experimentation for multi-response optimization," *Proceedings of the Section on Physical and Engineering Sciences*, American Statistical Association, pp. 370-75.
- [33] Dooley, K. (1996), "A nominal definition of complex adaptive systems," *The Chaos Network*, 8(1): 2-3.
- [34] Dooley, K., and F. Mahmoodi (1996), "Regarding quality," *IEEE Engineering Management Review*, Vol. 24, No. 4 (Spring), 115 pages (guest editors).

- [35] Guastello, S., Dooley, K., and J. Goldstein (1995), "Chaos, organizational theory, and organizational development," *Chaos Theory in Psychology*, Gilgen, A., and F. Abraham eds., Westport, CT: Praeger, p. 267-278.
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- [37] Dooley, K. (1993), "The perceptual truths of Edward de Bono," *Chaos Network*, 5(1): 6-7 (book review).
- [38] Dooley, K. (1994), "Complexity in time series modeling," *Society for Chaos Theory in Psychology and the Life Sciences*, 2(1): 1-3.
- [39] Bush, D., and K. Dooley (1992), "Team chaos," *The Chaos Network*, 4(4): 1-4.
- [40] Johnson, T., and K. Dooley (1992), "Quality improvement of the product development process using performance metrics," *Computers in Engineering*, 1: 295-304.
- [41] Liu, X., Dooley, K., and J. Anderson (1991), "Process knowledge bases: A framework for continuous process improvement," *Factory Automation and Integrated Manufacturing*, M. Ahmad and W. Sullivans (eds), Boca Raton, Fla: CRC Press, pp. 384-393.
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- [43] Dooley, K., and S.G. Kapoor (1987), "A rule-based system for classifying faults in continuous processes," *Recent Developments in Production Research*, Elsevier Publications, A. Mital editor, pp. 875-881.

Conferences

- [1] Yan, T., and Dooley, K. (2010), "Involving suppliers in new product development: Coordination fit, goal congruence and collaboration quality," *2007 NARTS Symposium on Purchasing & Supply Management*, Tempe, AZ.
- [2] Yan, T., and Dooley, K. (2009), "Buyer-supplier collaborative product design: an inter-firm alignment perspective", *2009 Decision Sciences Conference*.
- [3] Dooley, K. (2008), "A complexity science perspective on medical errors," *The Cognitive Basis of Safe Practice: Rethinking Error in Critical Care Medicine*, October 2008, Phoenix, AZ.
- [4] Dooley, K. (2008), "Good vibrations: A dynamical analysis of DeVor/Kapoor publications," *Manufacturing Leadership Symposium*, October 2008, Champaign, IL.
- [5] Babin, T., Sutherland, J., Kline, W., Dooley, K., Waldorf, D., and Chang, T.S. (2008), "On the road again for quality," *Manufacturing Leadership Symposium*, October 2008, Champaign, IL.
- [6] Dooley, K. (2008), "Complexity and organizations: A retrospective and prospective view of an emerging discipline," *Embracing Complexity--Organization Studies Workshop*, July 2008, Pissouri, Cyprus.
- [7] Tate, W., Ellram, L., and Dooley, K. (2008), "'Institution, cost, and brand: A theoretical framework for understanding sustainable supply management practices," *2008 2nd International Conference on Business and Sustainability*, October 15-17 2008, Portland, OR.
- [8] Dooley, K., Tate, W., and Ellram, L. (2008), "Sustainability versus green," *Green Innovation Venture Capital Summit*, September 7-8 2008, Scottsdale, AZ.
- [9] Dooley, K., Tate, W., and Ellram, L. (2008), "Sustainable supply chain management," *Green Summit Conference*, September 5-6 2008, Phoenix, AZ.
- [10] Yan, T., Rabinovich, L., and Dooley, K. (2008), "Internet retailing and the bullwhip effect: The role of inventory replenishment and allocation Policies," *2008 POMS Conference*.
- [11] Chen, Y-S., Dooley, K., and Rungtusanatham, M. (2007), "Buyer-supplier relationship dissolution: Insights from the Ford-Firestone breakup," *2007 INFORMS Conference*.

- [12] Yan, T., Dooley, K., and Brooks, D. (2007), "Entry timing In a secondary market: When to trade?" *2007 Decision Sciences Conference*, Phoenix.
- [13] Dooley, K. (2007), "How complex are real supply networks?" *2007 Decision Sciences Conference*, Phoenix.
- [14] Azadegan, A., and Dooley, K. (2007), "Manufacturer control in outsourcing: Influencing the effects of supplier innovativeness," *2007 Decision Sciences Conference*, Phoenix.
- [15] Azadegan, A., and Dooley, K. (2007), "Strategic considerations in outsourcing: Enhancing the effects of supplier innovativeness," *2007 Academy of Management Conference*, Philadelphia.
- [16] Daneke, G., and Dooley, K. (2007), "The Life-cycle revisited: Stage transitions and the failure of the Iridium project," *2007 PICMET Conference*, Portland.
- [17] Rossetti, C., Handfield, R., and Dooley, K. (2007), "Forces, trends, and decisions in pharmaceutical supply chain management," *Midwest Decision Sciences Conference*, Chicago.
- [18] Rossetti, C., Handfield, R., and Dooley, K. (2007), "Forces, trends, and decisions in pharmaceutical supply chain management," *Conference on Supply Chain Design*, Indiana University, Bloomington.
- [19] Azadegan, A., and Dooley, K. (2007), "Contingencies on the effect of supplier innovativeness on manufacturer performance," *2007 POMS Conference*, Dallas.
- [20] Azadegan, A., and Dooley, K. (2007), "Loose coupling in design and manufacturing outsourcing: Influencing the effect of supplier innovativeness," *2007 NARTS Symposium on Purchasing & Supply Management*, Tempe, AZ.
- [21] Chen, Y-S., Dooley, K., and Rungtusanatham, M. (2006), "Ford-Firestone: Buyer-Supplier relationship dissolution under crisis," *2006 Decision Sciences Conference*, San Antonio.
- [22] Azadegan, A., and Dooley, K. (2006), "The dynamics of supplier innovation," *2006 INFORMS Conference*, Pittsburgh.
- [23] Dooley, K., and Corman, S. (2006), "Centering Resonance Analysis: Dashboard Technologies," *2006 Air Force Office of Scientific Research Systems and Software Conference*, Rome, NY.
- [24] Rossetti, C., Choi, T., Dooley, K., and Carter, P. (2005), "Supply chain disintermediation: An agency perspective on buyer-supplier relationships under incongruent goals," *2005 Decision Sciences Conference*, San Francisco.
- [25] Dooley, K., Daneke, G., and Pathak, S. (2005), "Iridium's house of cards: The nature of entrepreneurial stages and stage Transitions," *Academy of Management Conference*, Aug 5, 2005, Honolulu.
- [26] Corman, S., Dooley, K., and Parsons, J. (2005), "A reality show for network geeks: Software Factory and the quest for the ultimate dataset," *International Sunbelt Social Network Conference*, Feb. 16, 2005, Los Angeles.
- [27] Dooley, K., and Corman, S. (2005), "Centering resonance analysis: Case grammar model," *2005 Air Force Office of Scientific Research Systems and Software Conference*, Rome, NY.
- [28] Williamson, J., Dooley, K., and Corman, S. (2004), "Using text mining to create actionable knowledge: Application to network failure incident reports," *Practical Aspects of Knowledge Management Conference*, Vienna.
- [29] Daneke, G., and Dooley, K. (2004), "From cycles to kaleidoscopes: Mapping the nonlinear dynamics of technology evolution," *INFORMS Conference*, Denver.
- [30] Patterson, L., Dooley, K., and Holladay, R. (2004), "Shaping Consensus through Networks of Meaning: Applying Centering Resonance Analysis to Political Discourse," *National Reading Conference*, San Antonio, TX.
- [31] Patterson, L., Baldwin, S., Bradley, D., Dooley, K., Holladay, R., Silva, R., and Webster, J. (2004), "Analyzing Networks of Meaning in Official Discourse: What Is a 'Highly Qualified Teacher?'," *National Reading Conference*, San Antonio, TX.

- [32] Dooley, K. and Corman, S. (2004), "ASU Software Factory: Complexity science in research and practice," *Society for Chaos Theory in Psychology and Life Sciences Conference*, Milwaukee, Wisconsin.
- [33] Dooley, K. (2004), "The semantic evolution of Nonlinear Dynamics, Psychology, & Life Sciences," *Society for Chaos Theory in Psychology and Life Sciences Conference*, Milwaukee, Wisconsin.
- [34] Lichtenstein, B., Carter, N., Dooley, K., and Gartner, W. (2004), "Exploring the temporal dynamics of organizational emergence," *Babson Kauffman Entrepreneurship Research Conference*, Glaskow, Scotland.
- [35] Dooley, K. (2003), "Longitudinal Text Analysis for Developing Process Theory," *Society for Chaos Theory in Psychology and Life Sciences Conference*, Portland, Washington.
- [36] Mili, L., Liu, Y., Mishra, A., Phadke, A., Dooley, K., and Holbert, K. (2003), "Fault-tolerant risk-based security algorithms for unified power and communication infrastructures," *NSF Grantees Conference*, EPNES Directorate.
- [37] Lichtenstein, B., and Dooley, K. (2003), "The dynamics of organization creation: Tracking the in-depth thoughts and actions of a nascent entrepreneur," *Babson Kauffman Entrepreneurship Research Conference*, Wellesley, MA.
- [38] Dooley, K., and S. Corman (2002), "Arizona State University's Software Factory," *2002 Decision Sciences Conference*, San Diego.
- [39] Primo, M., Rungtusanatham, M., and K. Dooley (2002), "Recovery from supply failures in B2B exchanges," *2002 Decision Sciences Conference*, San Diego.
- [40] Dooley, K. (2002), "A complexity science perspective on medical errors," *Quality & Productivity Research Conference*, Tempe, AZ.
- [41] Corman, S., and K. Dooley (2002), "Dynamic patterns in terrorism news: Reuters coverage of 9/11," *CASOS Conference*, Pittsburgh, PA.
- [42] Dooley, K. (2002), "Temporal patterns in legislative bill production," *Public Policy Waits for No One*, California Research Bureau, Sacramento CA.
- [43] Dooley, K., Corman, S., McPhee, R., and T. Kuhn (2001), "Modeling high resolution broadband discourse in complex adaptive systems," *Society for Chaos Theory in Psychology and the Life Sciences*, Madison, Wisconsin.
- [44] Dooley, K., and T. Choi (2001), "Rugged landscapes and complex supply networks," *Society for Chaos Theory in Psychology and the Life Sciences*, Madison, Wisconsin.
- [45] Primo, M., and K. Dooley (2001), "Customer evaluations of recovery services in the business-to-business environment," *2001 Decision Sciences Conference*, San Francisco.
- [46] Dooley, K., and B. Zimmerman (2000), "Needed: Fresh thinking about health care systems and mergers," *VHA National Conference*, Dallas.
- [47] Alsua, C. J; Dooley, K. & Rungtusanatham, M. (2000). "A cross-cultural model of psychological empowerment: The Influence of culture on empowerment perceptions of employees," *Academy of Management Conference*, Toronto.
- [48] Dooley, K., Subra, A., and J. Anderson (2000). "Maturity and new product development project performance," *Academy of Management Conference*, Toronto.
- [49] Zimmerman, B., and K. Dooley (2000), "Mergers and emergers," *VHA Leadership Conference*.
- [50] Ye, N., Choi, T., Dooley, K, and J. Cochran (2000), "Modeling and Simulation of Supply Network Enterprise," *INFORMS*, San Antonio.
- [51] McPhee, R., Corman, S., Dooley, K., Kuhn, T., Zaug, P., and J. Iverson (2000), "Discourse analysis of organizational knowing: A survey of assumptions and problems, " *National Communication Association*, November, 2000, Seattle.
- [52] Choi, T., Dooley, K., and N. Ye (2000), "Control versus emergence in scaleable enterprise systems," *NSF Awardees Conference*, San Antonio, Texas.

- [53] Christodoulidou, N., Amundson, S., and K. Dooley (1999), "Technology push versus market pull: An integrative model," *Industrial Engineering Research Conference*, (Proceedings on CD-ROM).
- [54] Dooley, K., and S. Corman (1999), "Facilitating university-industry knowledge transfer through knowledge directories," *Industrial Engineering Research Conference* (Proceedings on CD-ROM).
- [55] Anderson, A., Dooley, K., Shunk, D., and W. Glick (1999), "Product platforms and the platform organization: Some initial thoughts," *Industrial Engineering Research Conference*, (Proceedings on CD-ROM).
- [56] Dooley, K., and T. Choi (1999), "The inherent complexity of supply networks," *Society for Chaos Theory in Psychology and the Life Sciences*, Berkeley, CA.
- [57] Dooley, K., Corman, S., and R. McPhee (1999), "Discourse as a network: The HBDA program," *Society for Chaos Theory in Psychology and the Life Sciences*, Berkeley, CA.
- [58] W. Baumann, S. Bhattacharya, J. Capone, K. Dooley, J. Fritsch, S. Palangala (1999), "A network maturity model for high availability networks", *High Availability Systems Symposium*, November 1999.
- [59] Rand, D., and K. Dooley (1999), "Modeling and Experimentation for Multi-Response Optimization," *ASQ Fall Technical Conference*.
- [60] Choi, T., and K. Dooley (1999), "Conceptualizing supply networks as a complex system: Its meaning, its properties, and managerial implications," *1999 Decision Sciences Conference*, New Orleans, p. 374-376.
- [61] Dooley, K., Johnson, D., Christodoulidou, N., and S. Amundson (1999), "Reengineering Or continuous quality improvement: An examination of six case studies," *1999 Decision Sciences Conference*, New Orleans, p. 1096-1098.
- [62] 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.
- [63] 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).
- [64] Christodoulidou, N., Amundson, S., and K. Dooley (1998), "Push and pull: Sequential, parallel or integrated?," *Production and Operations Management Society*, Las Vegas.
- [65] Smyre, M., and K. Dooley (1998), "Team network characterization in integrated product development," *INCOSE 98*, p. 235-242.
- [66] Dooley, K., Subra, A., and J. Anderson (1998), "The maturity construct and its application in new product development," *INFORMS Spring 1998 Meeting*, Toronto.
- [67] Dooley, K., and Benjaafar, S. (1998), "Cellular automata for traffic flow modeling," *INFORMS Spring 1998 Meeting*, Toronto.
- [68] 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).
- [69] 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).
- [70] Rothenberger, M., and K. Dooley (1998), "Programmer performance measurement in a software reuse context," *1998 Decision Sciences Conference*, Las Vegas (Proceedings on CD-ROM).
- [71] 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).
- [72] 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.
- [73] Christodoulidou, N., Amundson, S., and K. Dooley (1998), "Demand-pull or technology-push? A new product development debate," *INFORMS Fall 1998 Meeting*.

- [74] 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).
- [75] 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.
- [76] Stevenson, S., Dooley, K., and Y. Kane-Esrig (1996), "Risk analysis of AIN architectures," *IEEE Intelligent Network 96 Workshop*, Australia.
- [77] Dooley, K., Hamilton, P., West, B., Cherri, M., and P. Fisher (1996), "Chaotic behavior in adolescent birth rates in texas," *Southwest Sociological Association*, Houston.
- [78] Stevenson, S., and K. Dooley (1996), "Calculating the risk of customer dissatisfaction," *IIE Research Conference*, Minneapolis, May 1996.
- [79] Dooley, K., and R. Flor (1996), "The nonlinear dynamics of learning to automaticity," *Complexity, Society, & Liberty Conference*, Quebec, 1996.
- [80] Subra, A., Dooley, K., and J. Anderson (1996), "A quality-theoretic framework for studying new product development," *PDMA Research Conference*.
- [81] Dooley, K., and Van de Ven, A. (1996), "The nonlinear dynamics of innovation," *INFORMS Fall Conference*, Seattle.
- [82] 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.
- [83] 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*.
- [84] Dooley, K., and R. Flor (1995), "A model of TQM success and failure," *IIE Research Conference*, Nashville, pp. 463-72.
- [85] Dooley, K. (1995), "Estimating fractal dimension, with application to production systems," *IIE Research Conference*, Nashville, pp. 1025-32.
- [86] 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.
- [87] 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.
- [88] Dooley, K., and S. Benjaafar (1994), "Chaos and complexity in manufacturing systems," *Evolving Complexity: Challenges to Society, Economy, and Individual*, Dallas.
- [89] Dooley, K., and S. Guastello (1994), "Research methods for studying chaos and complexity," *Evolving Complexity: Challenges to Society, Economy, and Individual*, Dallas.
- [90] 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.
- [91] 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.
- [92] Dooley, K., Johnson, T., and D. Bush (1993), "Some relationships between chaos, randomness, and statistics," *Chaos Network Conference*, St. Paul.
- [93] 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.
- [94] Bush, D., and K. Dooley (1992), "Group as a process," *Continual Improvement Conference*, North Central Deming Management Forum, Minneapolis, pp. 255-266.

- [95] Dooley, K., Bush, D., and T. Johnson (1992), "Quantitative models of learning: Neural, cognitive, and organizational," *Chaos Network Conference*, Santa Cruz, pp. 107-113.
- [96] Dooley, K. (1992), "Total quality management and chaos theory," *American Psychological Society*, San Diego.
- [97] Liu, X., Dooley, K., and J. Anderson (1992), "Multiple model inferencing for quality improvement," *Decision Science Institute*, San Francisco, pp. 1436-1438.
- [98] Anderson, J., Dooley, K., X. Liu (1991), "Knowledge for process improvement," *Continual Improvement Conference*, Minneapolis, Minnesota, pp. 179-192.
- [99] McLean, G., Dooley, K., and J. Anderson (1991), "University of Minnesota cross-college certificate in organizational quality transformation," *Midwest Business Teaching Conference*, Minneapolis, Minnesota.
- [100] Guo, Y., and K. Dooley (1991), "Estimation of change points in quality control," *International Conference on Productivity*, Singapore, pp 287-297.
- [101] Dooley, K. (1991), "Chaos and the Deming management method," *Chaos Network Conference*, Washington, D.C., pp. 69-72.
- [102] 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.
- [103] 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.
- [104] 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.
- [105] Vig, M., Dooley, K., and P. Starr (1990), "Developing an interactive simulation model," *Proceedings of the SCS Eastern Multiconference*.
- [106] Dooley, K. (1990), "Interactions between dispatching rules and workstation location," *Proceedings of the Midwest Decision Science Conference*, pp. 55-58.
- [107] Misterek, D., Anderson, J., and K. Dooley (1990), "The strategic nature of process quality," *Proceedings of the Decision Science Institute*, pp. 1517-1519.
- [108] Misterek, D., Dooley, K., and J. Anderson (1990), "Issues in the measurement of productivity," *Proceedings of the Decision Science Institute*, pp. 1709-1711.
- [109] 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.
- [110] 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.
- [111] Mahmoodi, F., and K. Dooley (1989), "Developing robust scheduling heuristics via Taguchi methods," *Proceedings of the Decision Science Institute*, pp. 908-910.
- [112] 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.
- [113] 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.
- [114] 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.

Honors

- 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.
- 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 440, Quality and Productivity Management
 SCM 551, Operations Planning & Execution
 SCM 581, Management of Technology
 SCM 591, Six Sigma Quality
 SCM 791, Seminar in Complexity Theory
 SCM 791, Research Methods
 SCM 791, Research Methods II

Executive Education and Professional Development

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

Theses Advised

Ph.D.

- Tingting Yan, "Coordinating Actions and Aligning Incentives: Involving Suppliers in New Product Development," in progress.
- 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.

- 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

Bill Baumann (EE), Beom-jin Choi (IS), Mike Greiner (IE), Dan Houston (IE), Timothy Kuhn (Comm), Jason Nichols (MIS), John Parsons (Comm), Christian Rossetti (SCM), Marcus Rothenberger (IS), Paul Skilton (Mgt), Wendy Tate (SCM), Regis Terpend (SCM)

University of Minnesota

Khuan Chuen Au (Forestry), John Charnes (OMS), Nicasio Cruz-Capales (VocEd), C-Y Chen (IEOR), Janet Drake (CS), Van Enns (OMS), Gerald Franchere (VocEd), David Haugen (ME), Dyan Haugen (OMS), Shekhar Jayanthi (OMS), Judy Johnson (HRD), Sameer Kumar (IEOR), Bob Meyer (IEOR), Susan Misterek (OMS), Steve Mohn (Controls), Ramin Mojdehbakhsh (CS), Tom Rohleder (OMS), Manus Rungtusanatham (OMS), Brenda Stewart (EdPol), John Swiggart (ME), Mary Wickham (ME), Deming Zhou (EE).

Other

Glenda Eoyang (Union Inst.), Tim Haslett (Monash U.), Dave Smilonich (Union Inst.)

Technical Society Service

- Society for Chaos Theory in Psychology & Life Sciences
 - Trustee, (2002-present), President (2000-02), Webmaster (2000-03), Conference Chair (2000-01)
- Human System Dynamics Institute, Board of Directors (2008-present)
- Editorial Boards:
 - *Nonlinear Dynamics, Psychology, and Life Sciences* (1996-present)
 - *Emergence: A Journal of Complexity Issues in Organizations and Management* (1998-present)
 - *Measuring Business Excellence* (2000-present)
 - *Human Relations* (2006-2008)
 - *J. of Operations Management* (1994-2005, 2007-2008)
 - *Decision Sciences* (2004-2007)
 - *Quality Management Journal* (1997-2006)
 - *Organization Science* (2002-2003)
 - *Production and Operations Management* (1999-2003)
 - *J. of Quality Management* (1998-2002)
- Special Issue Co-Editor (w/ H. Tsoukas), 2010, *Organization Studies*, CFP: Complexity and Environment.
- Special Issue Co-Editor (w/ T. Choi), 2009, "Supply Networks: Theories and Models," *Journal of Supply Chain Management*, 45(3).
- Special Issue Co-editor (w/ H. Letiche), 2009, "Complexity and Environment," *Emergence: Complexity and Organization*, 11(3).
- Co-chair, 4th *Annual Organization Studies Conference*, Complexity and Organization, Pissaro, Cyprus, July 2008.
- Session Chair, *Organization Science Winter Conference*, February 2008, Lake Tahoe, CA.
- Local Coordinator, Decision Sciences Conference 2007, Scottsdale, AZ.
- Co-coordinator, Process Research Methods Professional Development Workshop, *Academy of Management Conference*, 2004-present
- Co-founder, Process Research Methods Website, <http://www.processresearchmethods.org/index.html> (2006-present)
- Co-founder, Complexity Leadership Wiki, <http://complexityleadership.wikispaces.com/> (2007 - present)
- Co-founder, Network Maturity Blog, <http://www.networkmaturity.com/site/default.htm> (2007 - present)
- Juran Center for Quality Leadership, Technical Advisory Board (1999-present)
- Discussant, reviewer, and session chair, Decision Sciences Conference (1992-present)

- Discussant and reviewer, Academy of Management Conference (1998-present)
- Journal Reviewer: 2009 review for Nonlinear Dynamics, Psychology, & Life Sciences, J. of Operations Management, Decision Science, Emergence, Organization Studies, IEEE Transactions on Engineering Management, Human Relations, Administrative Science Quarterly, Science Communication, Int Journal of Operations and Production Management, Journal of Supply Chain Management, Organization Studies.
- Judge, *Ben Franklin Transatlantic Fellows Initiative*, YouTube "Ask the Candidate" Contest, November 2007.
- Plexus Institute
 - Trustee (2000-2005)
 - Science Advisory Board (2005-present)
- Board of Directors, North Central Deming Management Forum (1991)
- Senior Examiner, Minnesota Quality Award (1991)