

E. James Dunne

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Education

Ph D, University of Illinois, 1971
Major: Operations Research
Dissertation Title: Network and Project Theory

MS, Air Force Institute of Technology, 1964
Major: Materials Engineering

BS, St. Louis University -- Parks College, 1962
Major: Aeronautical Engineering

Professional Positions Held

Academic

Professor, University of Dayton, Dept of MIS, OM, & Decision Sciences. (August 1985 - Present).

Interim Chair, Department of MIS, OM, & Decision Sciences, University of Dayton. (July 1, 2012 - December 31, 2012).

Associate Dean, University of Dayton, School of Business Administration. (January 2004 - June 2008).

Interim Chair, University of Dayton, Dept of MIS, OM & DSC. (July 2003 - December 2003).

Associate Dean and MBA Director (1 year overlap), University of Dayton, School of Business Administration. (August 1994 - August 1998).

Chairperson, University of Dayton, Dept of MIS & Decision Sciences. (August 1985 - August 1995).

Associate Professor, University of Dayton, Dept of MIS & Decision Sciences. (August 1982 - August 1985).

Assistant Professor through Professor, Air Force Institute of Technology. (May 1974 - August 1982).

Military

2nd Lt through Lt Colonel, US Air Force. (August 20, 1962 - August 20, 1982).

Licensures and Certifications

Registered Professional Engineer, State of Illinois. (1970 - Present).

Development Activities Attended

Attended Conference, "INFORMS National Meeting." (October 12, 2012 - October 15, 2012).

Attended Conference, "12th Annual Hawaii International Conference on Business," Honolulu, Hawaii. (May 24, 2012 - May 27, 2012).

Attended Conference, "Business Statistics Symposium," McGraw-Hill, Amelia Island, Florida. (February 16, 2012 - February 19, 2012).

Attended Workshop (not at a conference), "AACSB Maintenance of Accreditation Seminar," AACSB International, Philadelphia PA. (August 15, 2007).

Attended Workshop (not at a conference), "AACSB Assurance of Learning Seminar," AACSB International, Philadelphia, Pa. (August 14, 2007).

Attended Seminar, "Business As A Calling Seminar," University of Dayton, Dayton, OH. (January 2007 - May 2007).

Attended Workshop (not at a conference), "Marianist Universities Meeting," University of Dayton, St. Mary's University, & Chaminade University. (June 5, 2006 - June 8, 2006).

Annual Conference, "AACSB International Annual Meeting," AACSB International, Paris, France. (April 20, 2006 - April 24, 2006).

Attended Workshop (not at a conference), "Institute on General Education," AAC&U, Newport, RI. (May 21, 2005 - May 25, 2005).

TEACHING

Teaching Experience

University of Dayton

DSC 210, Stats For Bus I, 9 courses

DSC 211, Stats For Bus II, 26 courses

MBA 610, Business Data Anlys, 2 courses

MBA 611, Stat Anly Bus Dcsn, 5 courses

MBA 691, Business Decn Making, 6 courses

MBA 791, Mdl&Anal for Bus Dec, 20 courses

MIS 498, Coop Education Prog, 1 course

Directed Student Learning

Directed Individual/Independent Study, "Analytics in Practice," MBA. (August 2013 - December 2013).

Awards and Honors

2012 Alumni Merit Award, St. Louis University. (September 30, 2012).

Urban Fellowship, University of Dayton. (1984).

Cardinal Cooke Medal, Wright-Patterson AFB Catholic Parish. (1982).

Outstanding Instructor, AFIT School of Engineering. (1978).

Meritorious Service Medal, Air Force Institute of Technology. (1977).

RESEARCH

Published Intellectual Contributions

Book Chapters

- Dunne, J., Stahl, M. J. (1984). In Badawy, M. (Ed.), *Issues and Techniques for Management of Several Projects*. Van Nostrand Reinhold.
- Dunne, J., Stahl, M. J. (1984). In Badawy, M. (Ed.), *Project and Matrix organizations*. Van Nostrand Reinhold.
- Dunne, J., Stahl, M. J. (1984). In Badawy, M. (Ed.), *Project Implementation and Control*. Van Nostrand Reinhold.
- Dunne, J. (1977). In Huber, Schelle, Hoffman (Eds.), *Planning Weapon System Acquisition in the USAF* (pp. 396-415). Oldenburg Press.

Refereed Journal Articles

- De, P., Dunne, J., Ghosh, J., Wells, C. (1997). Discrete Time-Cost Tradeoff Problem for Project Networks. *Operations Research*, 45, 302-306.
- De, P., Dunne, J., Ghosh, J., Wells, C. (1995). The Discrete Time-Cost Tradeoff Problem Revisited. *European Journal of Operational Research*, 81, 225-238.
- Woodruff, B., Yoder, J., Moore, A., Dunne, J. (1986). Modified Goodness-of-Fit Tests for the Logistic Distribution with Unknown Location and Scale Parameters. *Communications in Statistics*, 15, 77-83.
- Woodruff, B., Viviano, P., Moore, A., Dunne, J. (1984). Modified Goodness-of-Fit Tests for Gamma Distributions with Unknown Location and Scale Parameters. *IEEE Transactions on Reliability*, 33, 241-245.
- Norton, S., Dunne, J. (1983). A Development and Validation Strategy for Appraisals Used to Select Supervisors and Managers. *Review of Public Personnel Administration*, 3, 94-104.
- Woodruff, B., Moore, A., Dunne, J., Cortes, R. (1983). A Modified Kolmogorov-Smirnov Test for Weibull Distributions with Unknown Location and Scale Parameters. *IEEE Transactions on Reliability*, 32, 209-213.
- Dunne, J. (1983). How Six Management Techniques Are Used. *Research Management*, XXVI, 35-40.
- Bush, J., Woodruff, B., Moore, A., Dunne, J. (1983). Modified Cramer-Von Mises and Anderson-Darling Tests for Weibull Distributions with unknown Location and Scale Parameters. *Communications in Statistics*, 12, 2465-2476.
- Dunne, J., Klementowski, L. J. (1982). An Investigation of the Use of network Techniques in Research and Development Management. *IEEE Transactions on Engineering Management*, 29, 74-78.
- Dunne, J., Norton, S., Thornton, H. E. (1982). The Assessment Center Method in an Upward Mobility Program. *Journal of Assessment Center Technology*, 5, 17-23.

Dunne, J., Stahl, M. J., Melhart, L. J. (1978). Influence Methods of Project Managers and Functional Managers in a Matrix Organization. *Academy of Management Journal*, 21, 135-140.

Dessouky, M. I., Dunne, J. (1971). Cost Duration Analysis with the Cut Network. *AIE Transactions*, III, 123-132.

Journal Articles

Dunne, J. (2002). Making Tough Choices: A Decision Support Tool Helps Managers Develop Malaysia's Furniture Industry. *Academy of Management Executive*, 16(3), 150-151.

Tripp, R. S., Dunne, J. (1975). A Systems Development Approach for the Development and Acquisition of Support Forces. *Defense Management Journal*, 11, 51-57.

Manley, T. R., Dunne, J. (1975). Project Managers: Warning, Danger Ahead. *National Defense*, LX, 107-110.

Dunne, J. (1975). Systems and Project Management, An Expanded View. *Air University Review*, XXVI, 28-34.

Dunne, J., Ewart, R. F., Nanney, D. M. (1975). What Happened to PERT? *Defense Systems Management Review*, 1, 45-50.

Other

Dunne, J. (2008). *White Paper: Advising of Undergraduate Business Students: Conclusions and Plans for Improvement*. University of Dayton School of Business Administration.

Dunne, J. (2007). *White Paper: Academic and Alcohol Behaviors of UD Business Students*. University of Dayton School of Business Administration.

Lewis, B., Dunne, J. (1991). *A Framework For Using Cases to Achieve Cognitive, Affective, and Conative Educational Objectives With Emphasis on the Decision Sciences* (pp. 38 pages). Working Paper Series, Center for Business and Economic Research, University of Dayton.

Dunne, J. (1981). *Review of "Management in the Armed Forces" by John Downey* (vol. 7, pp. 327-330). *Armed Forces and Society*.

Presentations Given

Ferratt, T. W. (Presenter & Author), Dunne, J. (Author Only), Young, S. (Author Only), 24th Annual Computer Personnel Research Conference, "Managers Who Personally use Information Technology Frequently: A Profile of Some Invisible Computer Personnel." (1988).

Dunne, J. (Presenter & Author), Bohlen, G. A. (Author Only), Vlahos, G. E. (Author Only), International Interdisciplinary Consortium for Information Systems, "Establishing an MIS Program with Minimum Resources." (1986).

Wells, C. (Presenter & Author), Bohlen, G. (Author Only), Dunne, J. (Author Only), 1986 National Meeting of the Decision Sciences Institute, "The Development of an Expert System for Faculty Scheduling and its Impact on the Scheduling Decision Process." (November 1986).

- Dunne, J., Midwest AIDS Annual Meeting, "The MIS Program at the University of Dayton," Indianapolis Indiana. (May 1984).
- Dunne, J., IEEE Engineering Management Conference, "A Model to Study the Major Trade-Offs of Space-Based Weapon Systems." (1983).
- Dunne, J., Military Operations Research Symposium, "A Dynamic Model of Space Based Weapon Systems," Dayton Ohio. (September 1983).
- Dunne, J., Annual Meeting of Academy of Management, "A Validation Strategy for Appraisals of Supervisors, Managers, and Candidates for These Positions," New York. (August 1982).
- Dunne, J. (Presenter & Author), McClary, R. (Author Only), IEEE Engineering Management Conference, "A Review of the Usefulness of R&D Management Techniques." (1981).
- Dunne, J. (Presenter & Author), Dutton, J. (Author Only), IEEE Engineering Management Conference, "A Tool for Studying Laser Systems in Space." (1981).
- Dunne, J. (Presenter & Author), Klementowski, L. (Author Only), American Institute for Decision Sciences National Meeting, "Network Techniques in Aerospace R&D Management." (1980).
- Manley, T. R. (Presenter & Author), Dunne, J. (Presenter & Author), Womer, K. (Author Only), American Institute for Decision Sciences National Meeting, "Integrating Group Behavioral Experiences into Decision Science Courses." (1975).
- Dunne, J., Military Operations Research Symposium, "What Happened to PERT?," MORs, Annapolis, Maryland. (July 1975).
- Dessouky, M. I. (Presenter & Author), Dunne, J. (Author Only), Ninth Annual Allerton Conference on Circuit and System Theory, "Some Duality Relationships in Networks," Department of Electrical Engineering and Coordinated Science laboratory, University of Illinois. (1971).
- Dunne, J., Operations Research Society 38th Meeting, "A New Method for Cost Duration Analysis in Project Networks," Dallas Texas. (May 1971).

Contracts, Grants and Sponsored Research

- Dunne, J., "Academic Excellence and Alcohol Behaviors of Business Students," Sponsored by Office of Provost & UD Faculty Development Committee, University of Dayton, \$11,700.00. (March 2005 - September 2006).

Research Currently in Progress

"Toward a Simpler Theory of Information Technology Use (Builds on "On the Relationship of Experience and Intention in Theories of Technology Use")" (Writing Results). (May 10, 2013 - Present).

In this study we argue that theories of information technology use should be simplified. Calls to ignore intention in studies of continuing use imply separate theories for initial (or novel) and continuing use. We argue, instead, to include intention as a key construct, along with antecedent cognitions, in a single core theory of information technology use, such as found in the theory of planned behavior (TPB). A single theory is simpler than two theories. Furthermore, we argue for including the simpler construct of prior information technology use in the core theory rather than the more complex construct of habit. The hypothesized effect of prior use is to simplify cognitive processing. More specifically, we hypothesize that prior use moderates the relationship between cognitions and intention: as prior use increases, a

gradual shift occurs from more complex cognitive processing to simpler cognitive or automatic processes. This hypothesized moderating effect is contrary to arguments that antecedent cognitions fully mediate the effect of prior use. Our empirical findings in a study of professionals, viz., university professors, support the moderating effect. We discuss implications of the gradually shifting influence of cognitions and suggest directions for future research.

Paper submitted to Journal of the Association for Information Systems on July 2, 2013. The SE sent a letter declining the manuscript for publication on October 31, 2013. "However, a new manuscript may be submitted which takes into consideration my and the reviewers' comments." We are considering revisions.

"On the Relationship of Experience and Intention in Theories of Technology Use" (Completed). (December 2012).

SERVICE

Service - Learning

Course or Certificate Director

Course Director -- DSC 210-211. (January 2012 - December 2015).

Curriculum Committee

University CAP Committee. (May 2011 - December 2015).

Academic Policies Committee of Academic Senate. (August 2010 - December 2015).

UG Committee, SBA. (January 2004 - December 2015).

Dean's Task Force on UG Core. (2005 - 2008).

SBA Graduate Committee. (January 2007 - May 2008).

UD Marianist Education Working Group. (April 2005 - May 2006).

Chair, General Education & Competencies Committee, UD. (2000 - 2003).

SBA UG & Grad Committees (several terms). (1998 - 2003).

UD General Education Committee. (1990 - 1994).

Other

Education Leadership Council. (August 2013 - December 2015).

Executive Committee of Academic Senate two 2-yr terms. (August 2012 - December 2015).

Academic Senate, elected member approximately six 2-yr terms. (1985 - December 2015).

Chair, Fiscal Integrity Subcommittee, NCAA Certification. (2002 - 2003).

Search Committee, Dean of School of Business Administration. (2002 - 2003).

SBA Promotion, Tenure, & Faculty Review Committee. (1998 - 2000).

Vice Pres, Academic Senate (highest elective faculty position). (1993 - 1994).

Search Committee, University Provost. (1988 - 1989).

University Committee to Evaluate the Academic Senate. (January 1988 - May 1988).

Chair, Search Committee, MBA Director. (March 1988 - April 1988).

Search Committee, Dean of School of Business Administration. (1984 - 1985).

President, Faculty Council, School of Engineering, AFIT. (1979 - 1980).

Presenter or organizer for University or SBA forum on pedagogy

Participate in 3-4 UD LTC seminars each year. (January 2009 - December 2013).

Participate in 3-4 SBA LTF sessions each year. (January 2009 - December 2012).