

ANTHONY D. WILBON

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EDUCATION

Ph.D., Management and Organization, The George Washington University, Washington, D.C., May 1999
Primary field of study: Management of Science, Technology, and Innovation

MBA, Management, Howard University, Washington, D.C., May 1990

B.S., Electrical Engineering, Michigan State University, East Lansing, MI, June 1986

RESEARCH INTERESTS

Research interests primarily focus on the strategic management of science and technology. Areas of current research include planning and management of science resources, with particular emphasis in areas of socioeconomic aspects of ecological and environmental science. Teaching and consulting capabilities extend to technology and business related topics including management science, research methodology and design (qualitative and quantitative techniques), information systems application and technology, production and operations management, and business strategy in technology/science environments.

JOURNAL PUBLICATIONS

Wilbon, A.D. (2003). "Competitive posture and IPO performance in high technology firms," Journal of Engineering and Technology Management, 20(3):231-244.

Wilbon, A.D. (2003). "Shrinking the digital divide: examining the moderating role of technology environments," Technology in Society, 25(1):83-97.

Wilbon, A.D. (2003). "Technology strategy: a synthesis of the literature," Business Research Yearbook: Global Business Perspectives, 10:1079-1083.

Wilbon, A.D. (2002). "Predicting survival of high-tech initial public offerings," The Journal of High Technology Management Research, 13:127-141

Wilbon, A.D. (2001). "Survival and technology strategy in information systems based IPO firms," Technology Management: Strategies and Applications 5(4):273-278.

Wilbon, A.D. (2000). "Executive technology education and firm performance," Technology Management: Strategies and Applications 5:103-109.

Wilbon, A.D. (1999). "An empirical investigation of technology literacy at the executive management levels and firm performance," in Kocaoglu, D.F. and Anderson, T.R. (Eds), Technology and Innovation Management, pp 309-312.

Wilbon, A.D. (1999). "An empirical investigation of technology strategy in computer software initial public offering firms," Journal of Engineering and Technology Management, 16:147-169.

Wilbon, A.D. (1998). "Organizational and developmental dynamics of project review teams in technology environments," The Qualitative Report [On-line serial], 3(3). Available: <http://www.nova.edu/ssss/QR/QR3-3/wilbon.html>.

Wilbon, A.D. (1996). "Technology's role in our lives," GW Forum, Washington, DC, 47:17-19.

CONFERENCE PROCEEDINGS

Wilbon, A.D. (2002). "High-tech IPO firms and survival: Using R&D management parameters as a predictor," Proceedings of the International Business and Economics Research Conference, Las Vegas, NV, October 7-11, 2002.

Wilbon, A.D. (2001). "Relating IPO Performance and Technology Management in High Technology Firms," Proceedings of the Society for Advancement of Management 2001 International Conference, Las Vegas, NV, March 18-21.

Wilbon, A.D. (1999). "An empirical investigation of technology literacy at the executive management levels and firm performance," Proceedings of the Portland International Conference on Management of Engineering and Technology, Portland, OR, July 25-29.

Wilbon, A.D. (1997). "Strategic competitive positioning of small community banks in a deregulated environment: a conceptual framework," Proceedings of the Fifth Annual Conference of the Institute of Behavioral and Applied Management, San Antonio, TX, October 30 - November 1, p263-269.

CONFERENCE PRESENTATIONS

"Integration of Economics into the Environmental Cooperative Science Center Models for Informing Coastal Ecosystems Management," (with Mark Harwell and Michael Reiter), 7th Annual International Marine Environmental Modeling Seminar, Washington, D.C. October 20, 2004.

"Integrating assessments of human-environment interactions: the Environmental Cooperative Sciences Center approach." (with Mark Harwell), 4th Annual Expanding Opportunities Conference in Atmospheric and Oceanic Sciences, Florida A& M University, Tallahassee, FL , April 1-2, 2003.

International Academy of Business Disciplines Conference, Orlando, FL April 3-6, 2003.

National Oceanic Atmospheric Administration's Educational Partnership Program, Environmental Entrepreneurship Program, University of Maryland Eastern Shore, Salisbury, MD, November 3-6, 2002 (Session Co-Facilitator).

International Business and Economics Research Conference, Las Vegas, NV, October 7-11, 2002.

INFORMS 2001 International Conference, Maui, HI, June 17-21, 2001.

SAM 2001 International Conference, Las Vegas, NV, March 18-21, 2001 (Session Discussant).

Portland International Conference on Management of Engineering and Technology, Portland, OR, July 25-29, 1999 (Session Chair).

Fifth Annual Conference of the Institute of Behavioral and Applied Management, San Antonio, TX, October 30-November 1, 1997.

RESEARCH

Environmental Cooperative Science Center, Principle Investigator – Collaborative grant from the National Oceanic and Atmospheric Administration (NOAA) titled "Regional studies in sustainable management of coastal and marine habitat for decision making." Fall 2002 – present

APICS Education & Research Foundation, Developed a series of workshops on inventory management strategies, July 2002.

TEACHING EXPERIENCE

Morgan State University, Earl Graves School of Business & Management, Baltimore, MD, 8/99 - present

Associate Professor: Teaching the following courses:

Foundations of Scientific Research. Doctoral level course that covers the philosophy of science, epistemology, scientific method, research design, hypothesis development, and qualitative and quantitative techniques.

Statistical Analysis. Graduate course that covers topics such as estimation theory, hypothesis testing, ANOVA, regression and correlation, time series, index numbers and decision theory.

Production and Operations Management. Undergraduate course that examines the vital function of product manufacturing and service creation as an integrated production and operations management system of resource inputs, conversion processes, and value-added outputs.

Management Information Systems. Undergraduate course that introduces the concepts of data and information processing and applications in business. Emphasis is on the wide-ranging effects of technology and information systems within a business organization.

George Washington University, School of Business & Public Management Washington, D.C., 9/98 - 2000

Adjunct Professor: Information System: Application and Technology. an introduction to data and information processing concepts, with emphasis on the wide-ranging effects of technology and information systems within a business organization.

UNIVERSITY COMMITTEES

Morgan State University, Baltimore, MD

Chair - MSU Grants Management Committee - 2002 - 2006

Earl Grave School of Business & Management Honors Program Committee - 2002 - present
MSU University Council - 2001 -2006
Chair - University Council Budget and Finance Committee- 2001 - 2004
Earl Grave School of Business & Management Strategic Planning Committee - 2001 to 2002
Earl Grave School of Business & Management Assessment Committee - 2000 to present

PROFESSIONAL EXPERIENCE

Board of Governors of the Federal Reserve System, Washington, D.C., 11/94 to 8/99

Senior Information Technology Analyst: Responsible for overseeing strategic planning and budgets for implementation of information technology systems in the nation's electronic payment applications for the twelve Reserve Banks. Monitored the development of critical business systems; advised technical and business experts concerning Reserve Bank technologies; and researched management, technical, and policy issues related to information technologies. Activities included:

- Authored research and working papers on client server applications for implementation of the nation's postal money order system
- Member of technology committees overseeing issues related to check processing, electronic check imaging, cash systems, postal money orders systems, and Reserve Bank national central applications systems.
- Oversight on projects for developing computer simulation models to analyze the processing of digital electronic imaging of checks.
- Oversight, review, and recommendations for approval of Federal Reserve Bank long range strategic planning documents.
- Participant in audit reviews of projects related to check and cash processing, treasury bond, software applications, and IT infrastructure.
- Performed financial analysis and recommendations for approval of equipment acquisitions for technology projects
- Several presentations to the Board of Governors for project approvals, strategic planning, technology issues, budget approvals and other related management and operations recommendations.

American Management Systems Inc., Arlington, VA, 8/90 to 11/94

Senior Business Consultant: Strategic consultant and business analyst in area of software development to several organizations. Managed several efforts on numerous system development projects with clients. Also performed market research and developed several new business proposals. Specific projects and activities included:

- *PTT Telecom and Telia (the Netherlands).* Managed ten people from American and the Netherlands in the software testing for the development of the company's billing system. Used project management software extensively to develop, manage, and report on resource requirements and project status. Managed the analysis of requirements, development of test cases and scripts, and testing effort for the project. Acted as technical liaison to business specialist in the company.
- *Bell Atlantic.* Authored and assisted in the deployment of a comprehensive systems development life cycle methodology. Provided consulting to several projects and business process reengineering efforts on software development and system testing. Managed eight people in the software testing for the development of the Bell Atlantic customer billing system. Used project management software extensively to develop, manage, and report on resource requirements. Managed the analysis of requirements, development of test cases and scripts, and testing effort for the project.

- *Bell Atlantic Mobile Systems (AMS New Jersey office)*. Member of the project team working on development of test cases and scripts, and testing effort for a customer billing system for cellular phone service.
- *NYNEX (AMS Denver, CO office)*. Member of the project team working on development of test cases and scripts, and testing effort for a customer billing system for cellular phone service.

Booz, Allen and Hamilton, Inc., Arlington, VA, 6/88 to 8/90

Senior Management Consultant: Management consultant and technical analyst for the development of a major satellite communications program for the Space and Naval Warfare Command (SPAWAR) and Naval Electronic Systems Engineering Activity (NESEA) engineering projects. Involved with the management and development of several proposal efforts for new business. Specific projects and activities included:

- *Space and Naval Warfare Systems (SPAWAR)*. Performed system engineering consulting for the Naval Command's component of the MILSTAR satellite system. Prepared several engineering working papers on satellite systems analysis. Consulted with the organization on strategies for manufacturing the system and acted as a liaison to the manufacturer, Raytheon Corporation. Developed strategic analysis, management plans, and cost/benefit analysis that assisted the agency with planning the program's direction and assisted in development of Congressional budget briefing.
- *NESEA*. Advised and assisted in the planning, integration and installation of a document image processing system to store contractual and business documentation.

Westinghouse Electric Corporation, Baltimore, MD, 6/86 to 6/88

Manufacturing Engineer: Responsible for planning and supervising the manufacturing and testing of radar system projects for military and commercial systems. Required the development of software driven test stations for automated testing of electronic circuit. Also performed technical and market research on voice communication technology for air traffic control users and developed a software simulation program for radar systems analysis.