

Curriculum Vita

R. F. "RICK" SHANGRAW, JR., PH.D.

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PROFESSIONAL EXPERIENCE

- 2005 – Present Executive Director, The Decision Theater at Arizona State University
(www.decisiontheater.org)
- 2005 – Present Professor of Practice, School of Public Affairs, Arizona State University
(spa.asu.edu)
- 1991 – 2004 Founder, Chairman, and Chief Executive Officer, Project Performance
Corporation (www.ppc.com)
- 1988 – 1990 Vice President, Independent Project Analysis, Inc. (www.ipaglobal.com)
- 1985 – 1988 Assistant Professor, Department of Public Administration, Maxwell
School of Citizenship and Public Affairs, Syracuse University
(www.maxwell.syr.edu)
- 1987 – 1988 Affiliate Assistant Professor, College of Engineering and Computer
Science, Syracuse University (www.ecs.syr.edu)
- 1986 – 1988 Senior Research Associate, Center for Technology and Information
Policy, Maxwell School of Citizenship and Public Affairs, Syracuse
University (www.maxwell.syr.edu/ctip/ctip.htm)
- 1983 – 1985 Research Associate, Center for Technology and Information Policy,
Maxwell School of Citizenship and Public Affairs, Syracuse University
- 1983 – 1985 Consultant, Rand Corporation (www.rand.org)
- 1982 – 1983 Research Associate, Institute for Energy Research, Syracuse University

EDUCATION

Ph.D. Public Administration, 1986, Maxwell School of Citizenship and Public Affairs, Syracuse University, Syracuse, NY. Dissertation Topic: *Information Choice and Policy Decision Making* (Advisor: Barry Bozeman)

M.P.A. Maxwell School, 1982, Syracuse University, Syracuse, NY. Concentration in Technology and Information Management.

A.B. Magna Cum Laude Political Science, 1981, Dickinson College, Carlisle, PA. Certificate in Environmental Studies.

CONSULTING

U.S. Department of Defense, Joint Warfare Analysis Center (1997 – 2001)
U.S. Department of Energy, National Nuclear Security Administration (2002 – 2004)
U.S. Department of Energy, Office of Environmental Management (1990 – 2000)
U.S. Department of Energy, Office of Science (2003)
U.S. Department of Health and Human Services, Food and Drug Administration (2002 – 2004)
U.S. Department of Interior, National Park Service (1997 – 1999)
U.S. Department of Transportation, Volpe National Transportation Systems Center (1995 – 1998)

UNIVERSITY SERVICE

Federal Relations Working Group, Arizona State University (2005 – Present)
Futures Council, Arizona State University (2005 – Present)

TEACHING EXPERIENCE

Arizona State University

- Policy Informatics (PAF 591), School of Public Affairs, Spring 2006.

Syracuse University

- Computers and Computing in the Public Sector (PPA 050), Maxwell School, Summer 1985, Fall 1985, Fall 1986.
- Public Management Computer Information Systems (PPA 730-1), Maxwell School, Fall 1985, Spring 1986, Fall 1986, Spring 1987, Fall 1987, Spring 1988.
- Introduction to Technology (NAS 203), College of Arts and Sciences, Fall 1987 (Team Taught with Bradley Strait).
- Organizational Theory and Public Management (PPA 709), Maxwell School, Summer 1987, Spring 1988, Summer 1988.
- Public Technology Development (PPA 730-13), Maxwell School, Fall 1984 (Team taught with Walter Meyer).
- Research and Development Policy (PPA 730-5), Maxwell School, Spring 1984 (Team taught with Barry L. Bozeman).

George Washington University

- Cost Estimating and Analysis, Continuing Engineering Education Program, Fall 1994, Spring 1995, Fall 1995.

REFEREED PUBLICATIONS AND BOOK CHAPTERS

"Decision Quality, Confidence, and Commitment with Expert Systems: An Experimental Study," *Journal of Public Administration Research and Theory*, vol. 7, n. 1, January 1997, 131-157 (Coauthored with D. Landsbergen, D. Coursey and S. Loveless)

"Contingency Estimating for Environmental Projects," in Selg, R. A. ed., *Hazardous Waste Cost Control*, New York: Marcel Dekker, Inc., 1993.

"Public Management in the Future: Post-Orthodoxy & Organization Design," in Barry Bozeman, ed., *Public Management Theory*, New York: Jossey-Bass, 1993. (Coauthored with Crow, M. M. and Emmert, M. A.)

"Cost Growth and Schedule Slippage in World Bank Hydroelectric Projects," Industry and Energy Department Working Paper, The World Bank, October 1990. (Coauthored with Merrow, E.W.)

"Expert System Technology for Managerial Applications: A Typology," *Public Productivity Review*, vol. 12, no. 3, Spring 1989. (Coauthored with Coursey, D.)

"Computers and Commitment to a Public Management Decision," *Knowledge in Society*, vol. 2, no. 3 (Fall 1989), pp. 42-56. (Coauthored with Bozeman, B.)

"Public Administration as a Design Science," *Public Administration Review*, vol. 49, no. 2, March/April 1989. (Coauthored with Crow, M. M.)

"FRAS: An Expert System for Risk Management," *PC AI*, November/December 1988, pp. 12-14. (Coauthored with Coursey, D. and Lipton, S.)

"Computers as a Public Management Decision Tool: An Experimental Analysis of the Effects of Cost and Access on Information Choice," *Knowledge*, vol. 10, no. 2, December 1988, pp. 111-139. (Coauthored with Bozeman, B.)

"National Projects in Civilian Technology," J. David Roessner (ed.), *Government Innovation Policy*, New York: St. Martin's Press, 1988. Also in *Policy Studies Review*, vol. 3, May 1984. (Coauthored with Lambright, W.H. and Crow, M.M.)

Synthetic Fuel Technology Development in the United States: A Retrospective Assessment, New York: Praeger, 1988. (Coauthored with Crow, M. M., Bozeman, B. and Meyer, W.)

"Knowledge Acquisition, Expert Systems, and Public Management Decisions," *Social Science Microcomputer Review*, vol. 5, no. 2 (Summer 1987), pp. 163-173.

"How Public Managers Use Information: An Experiment Examining Choices of Computer and Printed Information," *Public Administration Review*, vol. 46 (November 1986), pp. 506-515.

Understanding Process Plant Schedule Slippage and Startup Costs, The Rand Corporation, R-3215-PSSP, Santa Monica, California, October 1984. (Coauthored with Myers C.W. and Devey, M. R.)

PUBLISHED CONFERENCE PAPERS

“Designing and Implementing a Life-Cycle Cost Model for First-of-a-Kind Building Decommissioning,” *Proceedings of the Symposium on Waste Management*, Tucson, AZ, March 3, 1999. (Coauthored with J. Stevens, R. Williamson, and A. Schubert)

"Measuring the Value of Lessons Learned Programs," *Proceedings of the Symposium on Waste Management*, Tucson, AZ, March 3, 1998. (Coauthored with C. Gauntner, M. McCune, and S. Wujciak)

"Lessons from the Private Sector on Performance-Based Management," *Proceedings of the Symposium on Waste Management*, Tucson, AZ, February 28, 1996. (Coauthored with K. Stoeckle and W. Kolster)

“Using Cost/Risk Uncertainty Spheres to Make Better Environmental Restoration Decisions,” *Proceedings of the Symposium on Waste Management*, Tucson, AZ, February 27, 1994. (Coauthored with Cheney, C.S. and Shangraw, W.R.)

“Measuring and Addressing Uncertainties in Environmental Remediation Projects: A Comparative Analysis,” *Proceedings of the 25th Annual Symposium of the Project Management Institute*, Vancouver, Canada, 1994, pp. 904-910. (Coauthored with Darnell, S.A.)

“Project Definition: Methodology for Environmental Restoration Projects,” *1992 Transactions of the American Association of Cost Engineers*, Orlando, Florida, June 1992. (Coauthored with Shangraw, W. R. and Poldy, J. L.)

“U.S. DOE’s Program to Better Understand the Cost of Environmental Restoration Projects,” *Superfund ‘90: Proceedings of the 11th National Conference*, Washington, D.C., November 27, 1990. (Coauthored with Hudson, K.K.)

“Parametric Tools for Hazardous Waste Cleanup Projects,” *1990 Transactions of the American Association of Cost Engineers*, Boston, Massachusetts, June 1990. (Coauthored with Schroeder, B.R.)

“Understanding Cost Drivers for Remedial Investigations/Feasibility Studies,” *Proceedings of the 7th National Conference on Hazardous Wastes and Hazardous Materials*, St. Louis, Missouri, May 1990. (Coauthored with Schroeder, B.R.)

“Identifying Factors that Contribute to Cost Growth in Hazardous Waste Cleanup Projects,” *Transactions of the 1989 Annual Meeting of the American Institute of Chemical Engineers*, San Francisco, California, November 7, 1989.

“The Potential Market Impact of Low Temperature Fuel Cell Systems,” *Proceedings of the 1984 International Gas Research Conference*, Rockville, Maryland: Government Institutes, Inc., 1985, pp. 1125-1137. (Coauthored with Meyer, W.)

UNPUBLISHED PRESENTATIONS AND INVITED LECTURES

“Doing Policy Analysis as a Consultant: Business, Political and Analytical Issues,” Invited Lecture, School of Public Policy, Georgia Institute of Technology, November 2004.

“Enterprise Portals in Federal Agencies: Is Government More Efficient and Effective?” Invited Lecture, Maxwell School of Citizenship and Public Affairs, Syracuse University, November 2004.

“Phonetic and Orthographic Drug Name Comparison System,” *40th Annual Meeting of the Drug Information Association*, Washington, D.C., June 16, 2004.

“Evaluating Drug Name Confusion Using Expert Panels,” Drug Safety and Risk Management Advisory Committee Meeting, U.S. Food and Drug Administration, Gaithersburg, Maryland, December 4, 2003.

“Phonetic Orthographic Computer Analysis (POCA) System,” Look-Alike Sound Alike Health Product Names Consultative Workshop, Health Products and Food Branch, Health Canada, Ottawa, Canada, October 21, 2003.

“Expert Committees,” Methods and Approaches in Screening Proprietary Drug Names, Public Meeting Sponsored by the U.S. Food and Drug Administration, Washington, D.C., June 26, 2003.

“Designing and Implementing Performance Measures for R&D Laboratories,” Association for Public Policy Analysis and Management, 15th Annual APPAM Research Conference, October 1993. (Coauthored with Selman, J. R. and Bozeman, B.)

“Benchmarking for Cost Improvement,” Prepared for U.S. Department of Energy, Office of Environmental Restoration and Waste Management, September 1993. (Coauthored with Harter, S.K, Resch, R.A., Selman, J.R., and Shangraw, W.R.)

“Contingency Estimating and Cost Risk Analysis for Environmental Projects,” Twelfth Annual Fall Seminar of the East Tennessee Section, AACE International, Knoxville, Tennessee, November 9, 1992.

Invited Lecturer, Syracuse University, “Introductory Expert Systems Development Seminar,” Electric Power Research Institute, March 20 through March 23, 1990.

PROFESSIONAL AFFILIATIONS

Association for Public Policy Analysis and Management
Sigma Xi
Trustee, Dickinson College, Carlisle, PA

PERSONAL

Married with three children