William J. Tastle
Associate Professor - MIS
424 Park Center for Business and Sustainable Enterprise
Ithaca College
607-274-3669

Education

Ph.D.   1994, State University of New York at Binghamton (Advanced Technology with Specialization in Systems Science)

M.B.A.   1988, State University of New York at Binghamton (Information Systems)

M.S.   1977, State University of New York, College at Fredonia (Geology)

B.S.   1972, State University of New York, College at Fredonia (Geology)

Professional Academic Positions

Fall 2006 - present   Visiting Research Professor, University of Iceland, Dept of Business and Economics, Reykjavik, Iceland.

2006-2007   Visiting Scientist, Los Alamos National Laboratory, New Mexico

2000-present   Associate Professor, Ithaca College School of Business

1992-present   Managing Editor, *International Journal of General Systems*, Taylor and Francis, LTD Publishers.

1999-00   Adjunct Associate Professor, School of Management, State University of New York at Binghamton.

1989-00   Assistant/Associate Professor, Ithaca College, Department of Mathematics & Computer Sciences (Department Chair, 1998-99).

1986-89   Instructor, Ithaca College, Department of Mathematics & Computer Sciences

1984-86   Lecturer, Ithaca College, Department of Mathematics & Computer Science

Courses Taught Since 2000

Advanced Spreadsheets for Managers I
Business Systems and Technology
Management Information Systems
Executive MBA, Binghamton Univ, MIS

Advanced Spreadsheets for Managers II
Database Applications in Business
Technology in Management

Updated on 26-Oct-2008

Intellectual Contributions

Refereed Journal Articles

"Emerging Trends in Information Technology Departments of Major Icelandic Corporations," with Arsaell Valfells, accepted for publication by the International Journal of Commerce and Management (expected 2009).

"The IS Model Curriculum and Offshoring: A Call for Revision," with Bruce White, *Information Systems Education Journal*. 2008.   *Information Systems Education Journal, 6* (40). http://isedj.org/6/40/. ISSN: 1545-679X. (Also appears in *The Proceedings of ISECON 2006:* §2513. ISSN: 1542-7382.)

"A New Measure to Analyze Student Performance Using the Likert Scale," with Jack Russell and Mark Wierman, *Information Systems Education Journal, 6* (35), 2008. http://isedj.org/6/35/. ISSN: 1545-679X. (Also appears in *The Proceedings of ISECON 2005:* §2142. ISSN: 1542-7382.)

"Defining a Postgraduate Curriculum in Dermatology for General Practitioners: A Needs Analysis using a Modified Delphi Method," with Alan Salmoni, Sian Coxall, and Andrew Finlay, *submitted to the British Medical Journal. <This line is provided only for completeness and should not be considered a publication. Responsibility for the success of this paper becoming a publication belongs to Dr. Salmoni.>*

"Information Systems, Offshore Outsourcing, and Relevancy in the Business School Curriculum," with Bruce A. White, Arsaell Valfells, and Peter Shackleton, Journal of Information Technology Research, 1(2), pp. 61-77, 2008. Also published in *Outsourcing and Offshoring of Professional Services: Business Optimization in a Global Economy*, Section VI: Adaptation Paradigms for Academic and Industry, Chapter XVIII, edited by Amar Gupta, IGI Global, Hershey, PA, 2008.

"e-Business Decision Making by Agreement," with Mark J. Wierman, *International Journal of E-Business Research*, 4(4), pp. 16-25, 2008.

"Determining Risk Assessment Using the Weighted Ordinal Agreement Measure," with Mark J. Wierman, Journal of Homeland Security, http://www.homelandsecurity.org /newjournal /Articles/displayArticle2.asp?article=157, June 2007.

"Consensus and dissention: A measure of ordinal dispersion," with Wierman, M. J., International Journal of Approximate Reasoning, 45(3), pp. 531-545, 2007.

"Extending the Consensus Measure: Analyzing Ordinal Data With Respect to Extreme," with Tastle, J, Information Systems Education Journal, 4(72), 2006.   http://isedj.org/4/72/. ISSN: 1545-679X. (Also appears in *The Proceedings of ISECON 2005:* §2322. ISSN: 1542-7382.)

"A New Tool in IS Management: Geographic Information Systems," with Boasson, E and Boasson, V, Information Systems Education Journal, 4(12), 2006. http://isedj.org/4/12/. ISSN: 1545-679X.   (Earlier version appears in *The Proceedings of ISECON 2004:* §3124. ISSN: 1542-7382.)

"An Information Theoretic Measure for the Evaluation of Ordinal Scale Data," with Wierman, MJ, Journal of Behavior Research Methods, 38(3), pp. 487-494, August 2006.

"Teaching Soft Skills in a Systems Development Capstone Class," with Russell, J and Russell, B, Information Systems Education Journal, 3(19), 2005. http://isedj.org/3/19/. ISSN: 1545-679X. (Also appears in *The Proceedings of ISECON 2004:* §2224. ISSN: 1542-7382.)

"E-Learning in Higher Education: The Challenge, Effort and Return on Investment," with White, B. and Shackleton, P., *International Journal on E-Learning*, 4(2), pp. 241-251, 2005.

"E-government and the judicial system: online access to case information" with Kelly, E. P. *International Journal of Electronic Government*, 1(1), pp. 166-178, 2004.

"The State of Systems Analysis and Design," with Russell, J and Pollacia, L, *Information Systems Education Journal (an Internet Journal)*, 1(41), 2003. http://isedj.org/1/41/. ISSN: 1545-679X. (Also appears in *The Proceedings of ISECON 2003:* §3221. ISSN: 1542-7382.)

"Analysis and Design: Assessing Actual and Desired Course Content," with Russell, J. *Journal of Information Systems Education, 14(1), pp. 77-90* [2003].

Editor, "Technology in the 21st Century: Where Innovation and Information Converge," *Proceedings of the Information Systems Education Conference 2001,* Association of Information Technology Professionals, Special Interest Group on Education, Cincinnati, OH (November 2001).

"Globalization Issues in Information Systems Education: Toward a Collaborative Multischool Systems Analysis Experience," with Dumdum, R. *Journal of Information Systems Education, 9(3): 19-23* [1998].

"Directed Systems Lattices in Reconstructability Estimation." Tastle, William J. (editor) International *Journal of General Systems, 24(1&2): 171-190* [1995].

"Bibliography of Reconstructability Analysis," Tastle, William J. (editor), *International Journal of General Systems, 24(1&2): 225-229* [1995].

"General Systems Problem Solver," Tastle, William J. (editor) *Special issue of the International Journal of General Systems, 24* [1995].

"Information Systems Competencies for the 1990's: Issues and Challenges," with Dumdum, R., Proceedings of the Tenth Annual Eastern Small College Computing Conference, *Journal of Computing in Small Colleges, 10* [1994].

"Problem Formulation and Ambiguity Reduction: Neglected Aspects in Analysis," with Dumdum, R. Proceedings of the Tenth Annual Eastern Small College Computing Conference in *Journal of Computing in Small Colleges, 10* [1994].

"Comprehensive Index: 1974-1992," *International Journal of General Systems*, Gordon and Breach Science Publishers, Newark, NJ, 132 pp. [1992]

"A Definition and Description of Spreadsheet Proficiency," with Woodworth, P., Proceedings of the Sixth Annual Eastern Small College Computing Conference in *Journal of Computing in Small Colleges, 6(2): 49-54*. [1990].

"The Importance of Formalized Modeling Concepts in Spreadsheet Design," with Collins, D., *Managing Information Technology: Business Schools' Role in the 1990's*, Learned Information, Inc., Medford, NJ, pp. 174-183. [1989].

Books

Tastle, William J. and Jack Russell, <u>Analysis of Business Systems: Mastering Data and Process Modeling Techniques</u>. Currently being written and under contract with Scott/Jones Publications, Half Moon Bay, CA [in-development].

Refereed Conference Proceedings

"Agreement, Agreement Distributions, and Distance," with M J Wierman, North American Fuzzy Information Processing Society Conference 2008, 19-22 May 2008, New York City.

"Managing Icelandic IT Operations through Outsourcing," with A. Valfells, 2008 International Conference on Information Resources Management, Niagara Falls, Ontario, Canada, 18-20 May 2008.

"Using Consensus to Measure Weighted Targeted Agreement," with Wierman, M J, in Proceedings of the North American Fuzzy Information Processing Society Conference, San Diego, CA, [2007].

"Dissent based K-System Analysis," with Wierman, M J, in Proceedings of the North American Fuzzy Information Processing Society Conference, San Diego, CA, [2007].

"Validated content development of a dermatology curriculum for general practitioners," with A. Salmoni, 16th Congress, European Academy of Dermatology and Venereology, Vienna, Austria, May 2007.

"Assessing Team Performance in Information Systems Projects," with Boasson, E, and Wierman, M J, in Information Systems Education Conference, Pittsburgh, PA, [November 2007].

"The Weighted Targeted Consensus Measure as an Indicator of Risk Assessment," with Wierman, M. J., in Risk Symposium 2007: Risk Analysis for Homeland Security and Defense Theory and Application, Santa Fe, New Mexico, [26-28 March 2007].

"Placing the dissonance measure in the context of generalized information theory," with Wierman, M. J., In North American Fuzzy Information Processing Society (NAFIPS 2006) Conference, Montreal, Canada, [2006].

"Adjusting the Consensus Measure to Satisfy Ordinal Scale Arguments," with Wierman, M. J., In North American Fuzzy Information Processing Society (NAFIPS 2006) Conference, Montreal, Canada, [2006].

"The IS Model Curriculum and Offshoring: A Call for Revision" with Bruce White, *The Proceedings of ISECON 2006*, vol 23 (Dallas): §2513. ISSN: 1542-7382, [2006].

"A New Measure to Analyze Student Performance Using the Likert Scale," with Russell, J. and Wierman, M. J., Information Systems Education Conference (ISECON 2005), Columbus, Ohio, [2005].

"Ranking Ordinal Scales Using the Consensus Measure," with Wierman, M. J. and Dumdum, U. R. Int'l Assn of Computer Information Systems Conference (IACIS 2005), Atlanta, GA, pp. 96-102, [2005].

"Consensus and Dissention: Theory and Properties," with Wierman, M. J. North American Fuzzy Information Processing Society (NAFIPS) Conference, Ann Arbor, MI, [2005].

"Consensus and Dissention: A New Measure of Agreement," with Wierman, M. J. North American Fuzzy Information Processing Society (NAFIPS) Conference, Ann Arbor, MI, [2005].

"Measuring Consensus in Team Settings Doing Non-routine Knowledge Work," with Wierman, M., 4th AIS Symposium on Research in Systems Analysis and Design, Univ of Cincinnati [2005], April 23-24, 2005, Univ of Cincinnati.

"A Tool for the Analysis of Ordinal Scale Sate: Measuring Consensus, Agreement, and Dissent," with Wierman, M. 5th International Conference on Methods and Techniques in Behavioral Research, Wageningen, The Netherlands [2005].

"Barriers to E-Learning in Information Systems," with Russell, J., *Proceedings of the Information Systems Education Conference (ISECON) 2003*, San Diego, [2003].

"The State of Systems Analysis and Design," with Russell, J, and Pollacia, L., *Proceedings of the Information Systems Education Conference (ISECON) 2003*, San Diego [2003].

"Markup Language Diagramming: A Method to Enhance Web Page Design," in *Proceedings of ISECON 2002, Vol. 19: 411b*, AITP Foundation for Information Technology Education, San Antonio, ISSN: 154-7382 [2002].

"E-enabling Systems Analysis and Design: A Case for Extending the IS Curriculum," with Dumdum, R., Information Systems Education Conference (ISECON), Philadelphia, PA, Paper 208, p. 33 (published on CD) [2000].

"A Multi-School Virtual Team Collaborative Learning Initiative," with Dumdum, R, Sivasubramaniam, N., Garger, J. & Kahai, S.   2000 National Conference on Teaching and Learning Through the Internet, Feb. 20-23, 2000, University of South Carolina, Charleston, SC, pp. 1-4 [1999].

"Curriculum Analysis of a Successful 'Introductory' Course for CIS and Computer Literacy," with Hufford, K. & Woodworth, P. in Benjamin, George A., Ed., *Proceedings of the Fourteenth Annual Eastern Small College Computing Conference*, October 23-24, Marist College, Poughkeepsie, NY, pp. 216-221 [1998].

"Towards a Broader Competency-Based IS Education: A Proposed Improvement Package for Analysis of Case Studies," with Dumdum, R. in Albin, Marvin, Ed., *Proceedings of the Information Systems Education Conference* (ISECON'98), October 16-18, San Antonio, TX, pp. 28-33 [1998].

"The IS'97 Model Curriculum and Liberal Arts: An Example of Noncontradiction," with Woodworth, P. *Proceedings of the International Association for Computer Information Systems*, October 1-3, Cancun, Mexico, pp. 361-367 [1998].

"Electronic Commerce: Impact, Issues and Challenges," with Dumdum, R. *Proceedings of the World Multiconference on Systemics, Cybernetics and Informatics and 4th International Conference on Information Systems Analysis and Synthesis*, Vol. 3, July 12-16, Orlando, FL, pp. 505-510 [1998].

"Globalization Issues in Information Systems Education: Toward a Collaborative Multischool Systems Analysis Experience," with Dumdum, R. in Joyce C. Little, Ed., *Gateway to the Future: Proceedings of the 13th Information Systems Conference (ISECON'96)*, St. Louis, MO, pp. 66-71 [1996].

"Puzzle Solving With Genetic Algorithms," with Runtak, S. *Proceedings of the Twelfth Annual Eastern Small College Computing Conference*, Marywood College, Scranton, PA, pp. 28-31 [1996].

"Globalization, Team-Based High Performance Organizations, and Information Systems Education: Issues for the Extended Curriculum," with Dumdum, R. in James LaBarre, Ed., *1996 International Association for Computer Information Systems, Refereed Proceedings*, Las Vegas, NV, pp. 113-120 [1996].

"Petrologic Information Distance: A Theoretical Classification Tool for Ambiguous Rock Types," *1996 Abstracts, The Geological Society of America*, *31th Annual Northeastern Section, 28(3),* Buffalo, NY, p. 103 [1996].

"The Pedagogical Implications for Addressing Meta-Level Analysis: A Case to Extend the Traditional Information Systems Curriculum," with Dumdum, R., *Proceedings of the Conference of the International Association for Computer Information Systems*, Toronto, Canada, September [1995].

"A Framework for Problem Formulation and Ambiguity Reduction in Complex Problematic Situations," with Dumdum, R. *Proceedings of the Association for Information Systems, America Conference on Information Systems*, Pittsburgh, PA, August 1995, pp. 390-392 [1995].

"Petrologic Information Distance in Rock Identification." *5th International Symposium on Systems Research, Informatics and Cybernetics; Information and Systems Analysis and Synthesis Proceedings*, Baden-Baden, Germany, August 1995, pp. 149-153 [1995].

"Parsing the Unparsable." LOTUS Magazine, July 1990, pp. 20-23. (Reprinted in THE BEST OF LOTUS, Vol 1, Lotus Publishing Corp, Cambridge, Mass., 1991, pp. 60-63) [1990].

Recent Conference Presentations

"The Weighted Targeted Consensus Measure as an Indicator of Risk Assessment," with Mark J. Wierman, Risk Symposium 2007, *Risk Analysis for Homeland Security and Defense Theory and Application*, March 26-28, 2007, Santa Fe, New Mexico (sponsored by Los Alamos National Laboratory). http://risk.lanl.gov/site2k7/RS2007Presentations.html.

Honors and Awards

Elected to **Senior Member** grade of IEEE, 14 March 2008.

Best Faculty-Student Paper, 2005 Information Systems Education Conference, Columbus, Ohio. Title: "Extending the Consensus Measure: Analyzing Ordinal Data With Respect to Extrema," with Tastle, J., *Information Systems Education Journal*, 2005.

Meritorious Paper, 2004 Information Systems Education Conference, Newport, RI, Nov 2004. Title: "A New Tool in IS Management: Geographic Information Systems," with Boasson, E. and Boasson, V., *Information Systems Education Conference (ISECON) 2004.*

Best Paper of the Conference, 1996 Information Systems Education Conference, St. Louis, Missouri, October 18-20. Title: "Globalization Issues in Information Systems Education: Toward a Collaborative Multischool Systems Analysis Experience."

Best Theory Paper, awarded by the 17th Annual North American Conference of the International Business Schools Computer Users Group, July 26, 1989. Title: "The Importance of Formalized Modeling Concepts in Spreadsheet Design."

Professional Affiliations

Association for Information Technology Professionals (Past President, Special Interest Group on Education)
ACM
IEEE Senior Member, 14 March 2008.
North American Fuzzy Information Processing Systems (Secretary/Treasurer and member of the Board of Directors)

Service to the Profession

Conference Chair, North American Fuzzy Information Processing Systems Conference, New York, 2008.

Conference Treasurer, North American Fuzzy Information Processing Systems Conference, 2007.

Editorial Board, International Journal of Information Systems and Social Change, 2007-Pres.

Session Chair, Information Systems Education Conference, 2005.

Papers Chair, Information Systems Education Conference, 2003, 2004.

Managing Editor, *The International Journal of General Systems*.

Reviewer, *Journal of Information Systems Education*.

Reviewer, *Journal of Informing Sciences*

Reviewer, "E-Business Technologies: Supporting the Net-Enhanced Organization," by C. Van Slyke and F. Belanger, John Wiley & Sons.

Past President, Association for Information Technology Professionals, Education Special Interest Group, 1/01-12/02

Papers chair, Information Systems Education Conference, 2001, 1999

President, Association for Information Technology Professionals, Education Special Interest Group. A national office, elected by the membership of AITP-EDSIG, 2000

Papers Chair for the Information Systems Education Conference, Chicago, October 1999.

Elected Executive Vice President, Association for Information Technology Professionals, Special Interest Group on Education for calendar year 1999.

Session Chair and Member of the Planning Committee, World Multiconference on Systemics, Cybernetics, and Informatics, Orlando, Florida, 1998.

Member of the Board of Directors, Association for Information Systems Professionals, Special Interest Group on Education. Elected to a two-year term, 1998.

Session Chair and Panel Discussant on IS'95 CIS Curriculum: Eastern Small College Computing Conference, October 1996.

Participant, NASA JOVE project orientation, California, 1996.

Session Chair, Technology: The Internet and Global Commerce, 1996 Annual Conference of the Int'l Assn for Computer Information Systems, 1996.

Participant of NSF Workshop on Object Oriented Technology at Illinois State University, 1994

Member of the Planning Committee for the Fourth Annual Conference of Problem Solving Across the Curriculum and co-editor of the conference proceedings, 1992

Session Chair, Creative Computer Uses in the Classroom, Third Annual Conference of Problem Solving Across the Curriculum, Wells College, Aurora, New York, 1992.

Appointed Associate Editor of the International Journal of General Systems, 1991.

Editor, <u>Facets of Systems Science</u> by George J. Klir, Plenum Press, New York, 1991, 664 pp. Summer 1991.

Appointed to the Editorial Board of the International Journal of General Systems, 1990.

Course instructor for Data-Tech Institute of New Jersey. Responsible for instruction of a series of twenty courses in budgeting and forecasting tools and methodologies using the spreadsheet. The courses were taught in major cities of the United States and Canada, 1989-90.

Panel participant at IBSCUG Conference, Hershey, PA. Panel title: The Role of Formalized Systems Modeling Concepts in Spreadsheet Design: Classroom and Real World Perspectives, 1989.

Service to the College

Chair, Academic Policies Committee, subcommittee on policy, 2007- pres
Human Subjects Research Committee, 2007 - pres
Information Technology Policy Action Committee, 2005-2006
Academic Policies Committee, subcommittee on policy, 2004-2006
Faculty Justice, 2003-2006
Grading Policies Committee, established by the IC Faculty Council, 2002

Service to the School

Member, Curriculum Committee, 2005, 2006, 2008
Member, Tenure & Promotion Committee, 2004, 2005
Member, Operations Management Faculty Search Committee, 2003
Co-chair, Tenure & Promotion Committee, 2003
Faculty Development Committee, 2002-Present
Faculty Assessment Committee, 2002
Technology and Space Committee, 2001-2002

Service to the Community

Elected Treasurer of the Broome County Industrial Development Agency for 2007-2008.

Appointed to the Board of Directors of the Broome County Industrial Development Agency, February 2007.

Boy Scouts – Scoutmaster, District Committee, Council Committee, Troop Committee member: circa 1968 – present in various countries around the world.

Served as an international staff member of the Dutch National Jamboree (World Scouting) in Dronton, the Netherlands, 2000

Member, Executive Board, General Herkimer Council, Boy Scouts of America, 1995-99

Scoutmaster, 18th World Jamboree, the Netherlands, 1995

Chairman, Council Advancement Committee, Susquenango and Baden-Powell Councils, Boy Scouts of America, 1994-98

Chairman, Finance Council, St. Anthony of Padua Church, Endicott, NY, 1981-96.

Member, Board of Directors, BC Pops, Inc., 1983-87.

Member, Board of Directors, Susquenango Council, Boy Scouts of America, 1980-85.

Chairman, Board of Directors, Delaware County Council on the Arts, Delhi, NY, 1975-78