

Academic Vita

Timothy R. Hill

Professor of Management Information Systems

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EDUCATIONAL BACKGROUND

PhD in Management Information Systems, Indiana University, 1988.

MBA, Indiana University, 1987.

MS in Industrial Engineering, Purdue University, 1985.

BS in Industrial Engineering, Purdue University, 1982.

ACADEMIC AND PROFESSIONAL POSITIONS

Professor, San José State University, San José, CA, 2001-present.

Associate Professor, San José State University, San José, CA, 1999-2001.

Visiting Professor, San José State University, San José, CA, 1998-1999.

Principal, l'Autre Monde Productions, Inc., Berkeley, CA, 1994-1998.

Assistant Professor, University of Hawaii, Manoa, HI, 1988-1993.

Associate Instructor, Indiana University, Bloomington, IN, 1985-1987.

Systems Analyst, US Veterans Administration, Indianapolis, IN, 1984.

Teaching Assistant, Purdue University, West Lafayette, IN, 1982-1983.

Systems Analyst, Pritsker and Associates, West Lafayette, IN, 1982.

AWARDS, FELLOWSHIPS AND HONORS

San José State University Teacher/Scholar (from College of Business), school year 2002/2003.

Voted Outstanding Undergraduate Instructor, College of Business, San José State University, 2000.

Nominated, Outstanding Professor of the Year, San José State University, 2000.

Nominated, Outstanding Professor of the Year, San José State University, 1999.

Teaching Excellence Award, University of Hawaii, 1993.

Teaching Excellence Award, University of Hawaii, 1991.

All-Time Favorite Teacher, Inter-Business Council, University of Hawaii, 1989.

IBM Doctoral Fellowship, Indiana University, 1987.

Indiana University Doctoral Fellowship, 1985.

RESEARCH AND TEACHING INTERESTS

e-Learning/Technology-Supported Learning (Immersive Interactive Tutorial Environments)

Collaborative Teaching and Learning Technologies

Multimedia and Content-layered e-Documents

Emerging Technology Applications/Methods: Mobile/Pen-based Computing, Web-Intelligence

e-Learning/Blended Learning Methodologies

e-Commerce/e-Learning Marketplace Issues

PUBLICATIONS

Articles in Refereed Journals

- Hill, T., "Cisco Kids: Education and the new e-Marketplace", *e-Service Journal*, 1(2), 2002. (invited)
- Nelson, M., T. Hill, W. Remus and M. O'Connor, "Time Series Forecasting Using Neural Networks: Should the Data Be Deseasonalized First?", *Journal of Forecasting*, 1999, 18(5/6), 359-370.
- Jones, B., Hill, T, and D. Coffee, "Computer-Aided Negotiation For Classroom Instruction: Assessing Neural Network Potential", *Journal of Educational Technology Systems*, 27(1), July 1998, 55-62.
- Hill, T. and B. Jones, "A Prototype NSS Based on Problem Structure and Suggestions Toward More Comprehensive Negotiation Support", *Group Decision and Negotiation*, 5 (5), September 1996, 411-432. (Also reprinted as a chapter in *Group Decision and Negotiation*, ed. M. Shakun, Kluwer Academic: Norwell, MA, 1996, 111-132.)
- Hill, T., W. Remus, and M. O'Connor, "Neural Network Models for Time Series Forecasts", *Management Science*, 42(7), July 1996, 1082-1092.
- Jones, B. and T. Hill, "Computer-aided Negotiation for Classroom Instruction", *Journal of Educational Technology Systems*, 22 (4), 1994, 327-35.
- Remus, W. and T. Hill, "Neural Network Models of Managerial Judgment", *Advances in Artificial Intelligence in Economics, Finance, and Management*, (1), 1994, 177-191.
- Hill, T., L. Marquez, M. O'Connor, and W. Remus, "Neural Network Models for Forecasting and Decision Making", *International Journal of Forecasting*, (10), 1994, 5-15.
- Hill, T. and W. Remus, "Neural Network Models for Intelligent Support of Managerial Decision Making", *Decision Support Systems*, (11), 1994, 449-459.
- Hill, T. and S. Roberts, "A Prototype Knowledge-Based Simulation Support System", *Simulation*, 48(4), 1987, 15-21.

Book Chapters

- Hill, T. and Chidambaram, L., "Web-based Collateral Support for Traditional Learning: A Field Experiment", *Web-Based Learning & Teaching Technologies: Opportunities and Challenges*, A. K. Aggarwal (editor), Idea Group Publishing, January 2000. (Awarded Outstanding Research on College Teaching and Learning for the College of Business by SJSU Institute for Teaching and Learning)
- Marquez, L., T. Hill, R. Worthley, and W. Remus, "Neural Network Models as an Alternative to Regression", *Neural Networks in Finance and Investing*, Trippi, R. and Turban, E. (Eds), Probus: Chicago, 1993, 435-449.
- Sprague, R., I. Benbasat, O. El-Sawy, D. King, T. Hill, H.Sol, and P. Todd, "Technology Environments to Support Decision Processes", *Information Systems and Decision Processes*, Stohr, E. And Konsynski, B. (Eds), IEEE Computer Society Press: Los Alamitos, CA, 1992
- Remus, W. and T. Hill, "Capturing Human Judgement with Neural Networks", *Expert Systems and Neural Networks*, Hamza, M. H. (Ed), Acta Press: Anaheim, 1992, 20-22.
- Hill, T., and B. Jones, "Negotiation Support Systems: A Framework and Prototype for Empirical Development", *Environments for Supporting Decision Processes*, Sol, H. and Vecsenyi, J., (eds), North-Holland: New York, 1991, 105-114. (Originally published in *Proceedings of the IFIP International Conference on Environments for Supporting Decision Processes*, Budapest, June 1990.)

Conference Proceedings

Hill, T., "Leveraging Mobile Technology for m-Learning: 3rd Generation Threaded Discussions", forthcoming in the *Proceedings of the Hawaii International Conference on System Sciences*, 2003.

Hill, T., "Mobile Technology and Online Class Discussions: A Conceptualization in m-Learning", *Proceedings of the International Conference on Informatics Education and Research*, December 2001.

Hill, T., Chidambaram, L. and Griggs, K., "Introduction to the Mini-track on Emerging Learning Technologies, Pedagogies and Marketplace Issues", *Proceeding of the AIS Americas Conference on Information Systems 2000*, Long Beach, August 2000.

Hill, T. and L. Chidambaram, "Classroom Session Replays via Web-based Streaming Audio: Assessing Learning Effects of Audio Search and Streaming Glossary Capabilities", *Proceedings of the Western Decision Sciences Institute Conference*, Kapalua, Maui, April, 2000. (Winner: Best Paper of Track)

Hill, T., "Collateral Distance Communication Support of Traditional Classroom Learning: An Empirical Study", *Proceedings of the Hawaii International Conference on System Sciences*, 1999.

Nelson, L., T. Hill, W. Remus and M. O'Connor, "Time series forecasting using neural networks: should the data be deseasonalised first?", *Proceedings of the Fourth International Meeting of the Decision Sciences Institute*, Vol II, Sydney, July 1997, 725-727.

Remus, W. and T. Hill, "Neural Networks for Forecasting and Decision Making", *13th Annual International Conference on Information Systems*, Dallas, December 1992.

Marquez, L., T. Hill, M. O'Connor and W. Remus, "Forecasting with Neural Networks: A Review", *Proceedings of the Hawaii International Conference on System Sciences*, 1992, Vol IV, 494-498.

Marquez, L., T. Hill, R. Worthley, and W. Remus, "A Simulation Study of Neural Networks", *Proceedings of the Hawaii International Conference on System Sciences*, January, 1991.

Remus, W. and T. Hill, "Neural Networks for managerial Judgement", *Proceedings of the Hawaii International Conference on System Sciences*, January 1992, Vol. IV, 340-344.

Srinivasan, A. and T. Hill, "A Regression Approach to Performance Analysis for Differential File Database Architecture", *Proceedings of the Third International Conference on Data Engineering*, Los Angeles, February, 1987.

Hill, T., "Intelligent Decision Support Systems: Survey, Assessment and Direction", *Proceedings of the 7th Annual International Conference on Information Systems*, San Diego, December 1986.

T. Hill and A. Srinivasan, "A Simulation Study of the Performance of Differential File Structures", *Proceedings of the 1986 National Decision Sciences Institute Annual Meeting*, Honolulu, 1986.

Conference Presentations (in addition to above)

Hill, T., and L. Chidambaram, "Web-based Support for Traditional Learning: Patterns of Use over Time", *Group Decision and Negotiation 2000*, Glasgow, July 2000.

Chidambaram, L., T. Hill, and C. Vician, "Supporting Teamwork in Higher Education", *InfORMS Conference on Information Systems and Technology*, panel discussion, Cincinnati, May, 1999.

Hill, T. and B. Jones, "A Prototype Negotiation Support System Based On Problem Structure And Directions Toward Expanded Support", *TIMS/ORSA Joint National Meeting*, Boston, April, 1994.

Jones, B. and T. Hill, "A Neural Network Approach To Negotiation Support", invited presentation, *TIMS/ORSA Joint National Meeting*, San Francisco, November, 1992.

Hill, T. and B. Jones, "Negotiation Support Systems: A Prototype", invited presentation, *ORSA/TIMS Joint National Meeting*, Nashville, May, 1991.

Research in Progress

Hill, T. and L. Chidambaram, "A Field Experiment in Blended Learning: Performance Effects of a Virtual Learning Environment with Web-Based Classroom Session Replays" (in revision)

Hill, T. and M. Roldan, "Toward 3rd Generation Threaded Discussions for m-Learning: Opportunities and Challenges for Ubiquitous Collaborative Environments" (under review)

Chidambaram, L. and T. Hill, "Facilitating efficiency in blended e-learning: Audio searchable web-based classroom session replays (draft)

Hill, T. and M. Roldan, "A Field Experiment with Rich Annotation, Including Audio, in Student Writing Feedback" (draft)

EXTERNAL FUNDING

Backer, P (PI), M. Gorney-Moreno, M. Roldan, T. Hill, W. Yu, and X. Su, "Problem-Based Learning Through Mobile Technology", sponsored by Hewlett-Packard (\$227,342), awarded March, 2003.

TEACHING

San José State University

Tele/Data Communication (undergraduate requirement), 5 semesters.

Database Management Systems (undergraduate requirement), 1 semester.

Business Strategy & Information Systems (undergraduate requirement), 6 semesters.

Naval Postgraduate School

Database Management Systems (graduate requirement), 1 term.

Software Design (graduate requirement), 1 term.

University of Hawaii

Database Management & Data Structures, (undergraduate requirement), 9 semesters.

Systems Analysis and Design (undergraduate requirement), 2 semesters.

Advanced Systems Simulation (graduate elective), 1 semester.

Simulation Modeling and Analysis (graduate elective), 2 semesters.

Simulation Modeling and Analysis (undergraduate elective), 4 semesters.

Management Science (undergraduate requirement), 1 semester.

Japan-America Institute of Management Science (Japanese national students)

Database Management & Data Structures (graduate requirement), 2 terms.

Indiana University

Production Management (undergraduate requirement), 2 semesters.

Computers for Business: FORTRAN programming (undergraduate requirement), 4 semesters.

ACADEMIC SERVICE

Guest editor, *e-Service Journal: Special Issue on Education in the new e-Marketplace*, January 2002.

Editor, *e-Service Quarterly*, 2000-current.

Minitrack co-chair (three years) for “Emerging Learning Technologies, Pedagogies and Marketplace Issues”, *AIS Americas Conference on Information Systems 2000* (and *2001* and *2002*), Long Beach (and Boston and Dallas), August 2000 (and 2001 and 2002).

Established and administering Technology-Mediated Learning Services, San José State University College of Business, 1999-current.

Contributor to Multimedia Educational Repository for Learning and Online Teaching (MERLOT) and Participant and MIS team leader for On-line Learning Exchange National Initiative, Spring 2000.

Chair, Computer Committee, overseeing all college computing equipment and services and personnel, San José State University College of Business, since January 2001.

Chair, Task Force on Center for Faculty Development & Support, San José State University, 2003.

Chair, University Information Technology Board, San José State University, school year 2001/2002.

Regular presentations in College of Business Distributed Learning Workshop for faculty, San José State University since 1999.

Keynote speaker, Graduation Convocation, San José State University College of Business, 2000.

Faculty Advisor, MIS Club, San José State University College of Business, 1999-2003.

Minitrack chair (2 years) and co-chair (2 years) for “Neural Network Applications in Business”, *Hawaii International Conference on System Sciences*, 1989-92.