

## Mark Weiser

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### EDUCATION

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| Ph.D. | 8/95 | <b>University of Iowa, Iowa City, Iowa</b><br><b>Ph.D in Business Administration</b>                                 |
| B.S.  | 5/90 | <b>Pennsylvania State University, University Park, Pennsylvania</b><br><b>B.S. in Management Information Systems</b> |

### PROFESSIONAL EXPERIENCE (EDUCATION – ADMINISTRATIVE)

#### **Associate Dean, Spears School of Business, Oklahoma State University, Stillwater, OK, 2006-2014**

- Serve on development team, focusing on scholarship and operational programs. Developed and personally presented gift requests that included:
  - Program for need-based study abroad scholarships, subsequently funded at \$3 Million, with soft pledge for additional support
  - Program to support business students from rural communities, funded at \$750,000
- Oversee Credit Outreach, responsible for \$7.2 million in fiscal year distance learning revenue and the largest portfolio of short-term study abroad programs at the university
- Manage college scholarship program
  - Execute scholarship selection process to most closely meet donor intent and optimize support for deserving students
  - Maintain scholar/donor relationship program
  - Determine spending and reinvestment of almost \$10 million of Foundation principle for scholarships
- Coordinate assessment and AACSB accreditation processes
- Direct academic support staff, including advisors, career counselors, prospective student advisor, writing lab counselors, distance learning support, and related administrative support staff
- Serve on University Research Council, driving campus-wide policies on research
- Serve on University Instruction Council which oversees curricular offerings, and academic policy and procedures
- Design and implement new Business Student Success Center facility that combines academic advising, career services, and prospective student services
- Coordinate implementation of new Business Writing Lab in the Business Student Success Center
- Create "Professional Success Passport Program" to encourage students toward the most professionally productive participation in extra-curricular activities
- Designated as Regents Service Professor for outstanding administrative service and leadership

#### **Interim Associate Vice President, International Studies and Outreach, Oklahoma State University, 2010**

- Serve as member of the Council of Deans
- Restructure division with the Provost's coordination and consultation
- Lead development efforts, including designing and presenting a successful proposal with nearly \$15.5 million in impact

- Manage facility with over 37,000 square feet of conference meeting space, catering facilities, and supporting technology
- Supervise a staff of 40, collectively coordinating degree programs, International Outreach, Independent Study operations, Study Abroad, and the English Language Institute
- Restructure campus-wide study abroad scholarship program and support for colleges
- Lead fiscal and administrative restructuring of distance learning courses across campus
- Revise human resources policies to clarify expectations and responsibilities

**Founding Director, Center for Telecommunications and Network Security, Oklahoma State University, 2003-present**

- Develop and propose Center structure. Won approval from Council of Deans and Provost for university-level Center designation and support
- Work directly with executive staff from DOJ, DoD, and NIJ to develop and support programs
- Maintain Federal Top Secret clearance, 2005-2010
- Coordinate multi-disciplinary efforts across four academic colleges
- Lead funding initiatives that resulted in over \$3 million in support
- Coordinate effort to become first school designated in all six NSTISSI/CNSS areas
- Coordinate effort to become first school designated as National Center of Academic Excellence in both Education and Research
- Develop and design for the National Repository of Digital Forensic Intelligence
- Design, propose, and implement hands-on teaching and research laboratory restructuring in four facilities

**Chair, Provost's Task Force on International Education and Outreach, Oklahoma State University, 2009**

- Lead a multi-disciplinary group of faculty and staff to review and make broad recommendations for direction of OSU's international and distance learning programs
- Deliver report of recommendations and justifications, the majority of which were accepted by the Provost for implementation

**Director, M.S. in Telecommunications Management, Oklahoma State University, 2000-2006**

- Responsible for program that spanned two campuses and distance learning venues with a high enrollment of over 300 graduate students
- Develop, maintain, and fundraise to support the most comprehensive telecommunications and security labs dedicated to higher education teaching in the United States
- Responsible for continuous improvement
- Structure and consult with a 27 member industry advisory board
- Supervise program administrative support staff

**Chair, Faculty Council Long Range Planning and Information Technology Committee, Oklahoma State University, 2002-2004**

- Consult and advise the University Chief Information Officer
- Serve on the Executive Committee of Faculty Council
- Lead planning and technology proposal reviews and recommendations for the full Faculty Council

**Chair, University Academic Computing Advisory Committee, Oklahoma State University, 1999-2002**

- Serve as Advisor to the University Chief Information Officer
- Lead revision of university-wide Information Technology Policies
- Consult on security structure implementation options

## **PROFESSIONAL EXPERIENCE (EDUCATION – TEACHING)**

Professor, Oklahoma State University, 2007 – present

Subjects: Social and Behavioral Foundations of Business, Diversity Impacts on Business, Freshmen Orientation, Digital Forensics and Auditing, Telecommunications Systems, Datacommunications, Contemporary European-American Business (separate study abroad classes in Italy, Greece, and Ireland), Business in and with China (study abroad in China)

Associate Professor, Oklahoma State University, 2000 - 2006

Subjects: Telecommunications Systems, Datacommunications, Digital Forensics and Auditing, Management of Technology

Assistant Professor and Member of the Graduate Faculty, Oklahoma State Univ., 1998 - 2000

Subjects: Telecommunications Laboratory, Telecommunications Systems, Datacommunications, Digital Forensics and Auditing, Management of Technology

Assistant Professor and Associate Member of the Graduate Faculty, Oklahoma State Univ., 1995 - 1998

Subjects: Information Systems for MBA's, Telecommunications Laboratory, Telecommunications Systems, Datacommunications, Management of Technology

Instructor, University of Iowa, 1992 - 1995

Subjects: Information Systems for MBA's, Computer Concepts for Business

## **SCHOLARSHIP**

### **Research and Development Funding as Principal Investigator or Co-Principal Investigator:**

National Science Foundation, \$33,000, 2012-2015.

Supported creation of the Defense Cyber Crime Center Academic Cyber Curriculum Alliance (DACCA). This was a supplement to the \$199,047 grant "TC: Small: Collaborative Research: Exploring a Robust Quantum Cryptography Protocol for Security Optical Burst Switching Networks."

National Security Agency, IASP Scholars: Technical Program, \$79,000. 2012-2014.

U.S. State Department, \$1,014,103. July, 2010 – December, 2013.

Iraqi University Linkages: Improving and Modernizing Higher Education in Basra, Iraq

National Security Agency, \$80,881. 2011-2012.

Outreach to K-12 Education and Development of an Academic Knowledge-Sharing Repository

Department of Justice, \$2,320,000 awarded 2007-2011.

National Repository of Digital Forensic Intelligence (NRDFI) and the Center for Telecommunications and Network Security (CTANS): Critical Information and Support for Warfighters and Crimefighters Abroad and at Home

National Security Agency, IASP Scholars: Technical Program, \$63,000. 2010-2011.

National Security Agency, IASP Scholars: Technical Program, \$150,190. 2009-2010.

National Security Agency, \$123,197, 2008-2009

Capacity Building in Information Assurance and the NRDFI. Develop local repository and structure for the National Repository on Digital Forensic Intelligence

National Security Agency, \$50,047. 2008-2009

Information Assurance Scholarship Program (IASP Technical Program) – Direct and administer a program for OSU scholars who are pursuing studies in the area of Information Assurance

Department of Education, \$350,000. 2002-2003

Virtual Lab Development – Computer Supported Collaborative Learning with Immediate Presence. Develop techniques and technologies to facilitate remote interaction required for learning hands-on training

Williams Communications Group, \$750,000 (including \$375,000 of matching funds). 2001-2003

Design and implement a leading edge telecommunications teaching lab at the OSU-Tulsa Campus to support undergraduate, masters, and PhD programs. This includes development of initial masters-level lab modules

Southwestern Bell Corporation, \$150,000. 2000 –2003

Design, develop, and test methods and modules for remote access to traditionally hands-on exercises that are currently done in person in the Stillwater, Oklahoma Lab

Computer Assisted Technology Transfer, \$940,000. 1997 –2001.

- Knowledge Networks: Development of an on-line question and answer system, with dynamic knowledge base
- Contracting Database: Development of a single-site source for locating business opportunities with the government
- Success in Contracting Opportunities Realized Electronically (SCORE): A computerized interactive guide for conducting business with the government.
- Predictive modeling of spare parts for aging military equipment
- Central Webpage Development and Support

Williams Communication Group, \$5,000. 1999

Analyzed alternative methods for offering Quality of Service over Internet Protocol. This included available products, protocols that had not yet been implemented, and theoretical approaches

Department of Commerce, \$15,000. 1995

Analyzed government-funded and/or controlled networks in the central US. This report was used for informational purposes during critical phases of OneNet expansion and Federal Funding opportunities

### **Peer-Reviewed Publications**

David Sikolia, David Biro, Mark Weiser, Marlys Mason. "Developing a Theory of Employee Compliance with information Security Policies," Proceedings of the International Conference on Information Systems. Under review, 2014.

David Sikolia, David Biro, Mark Weiser, Marlys Mason. "Trustworthiness of Grounded Theory Methodology Research in Information Systems," Proceedings of the Midwest Association for Information Systems. 2013.

Nichols, J., Biro, D., and Weiser, M. "Towards Alignment Between Communities of Practice and Knowledge-Based Decision Support," Journal of Digital Forensics, Security and Law, 7(2) 2012.

Nichols, J., D. Biro, and M. Weiser. "Toward Alignment between Communities of Practice and Knowledge-Based Decision Support," Proceedings of the Conference on Digital Forensics, Security, and Law. 2012. Richmond, Virginia.

David Sikolia, David Biro, Mark Weiser, Nicholas Romano. "Trust in Mobile Banking: The Effect of Culture," Proceedings of the 5th Midwest Association for Information Systems. 2010.

- David Sikolia, David P. Biros, Mark Weiser. "A Business Case for RFID in Grain Storage". Proceedings of the 41st Annual Meeting of the Decision Sciences Institute, San Diego: Decision Sciences Institute. 2010.
- Hass, M.; Nichols, J.; Biros, D.P.; Weiser, M.; Burkman, J.; and Thomas, J.; "Motivating Knowledge Sharing in Diverse Organizational Contexts: An Argument for Reopening the Intrinsic vs. Extrinsic Debate," Proceedings of the 15th Americas Conference on Information Systems. August, 2009.
- Biros, D., Weiser, M., Nichols, J., Burkman, J. "Information Sharing: Hackers vs Law Enforcement", 6th Australian Digital Forensics Conference. December, 2008.
- Barnes, Stephen; Biros, David; Weiser, Mark; and Romano Jr., Nicholas C., "Incorporating Information Assurance in Systems Analysis and Design Curricula" AMCIS 2007 Proceedings, 2007.
- Weiser, M., Biros, D., and Mosier, G. "Development of a National Repository of Digital Forensic Intelligence," Journal of Digital Forensics, Security and Law, 1(2) 5-17. 2006.
- Weiser, M. "Analysis and Design for Security," 5<sup>th</sup> Annual Security Conference, Las Vegas. April, 2006.
- Weiser, M., Biros, D & Mosier, G. "Development of a National Repository of Digital Forensic Intelligence," Conference on Digital Forensics, Las Vegas. April, 2006.
- Weiser, M. "Information Assurance Education: A Critical Element for Advancement," 2nd National Conference on Computing and Information Technology, Bangkok, Thailand. May, 2006.
- Scheets, G., Weiser, M., Sharda, R. "Changing a Standard Telecommunications Lab to a Same Time Different Place Virtual Lab Format: Techniques Utilized and Lessons Learned," IEEE Transactions on Education. 2005.
- Ensz, S., Wright, S., Weiser, M. "Advanced Attack Detection and Infrastructure Protection," Educause. April, 2005.
- Sleezer, C. M., Gularte, M. A., Scheets, G., Weiser, M., & Sharda, R. Formative Evaluation of a CSCLIP Lesson. Academic Exchange Quarterly, 8(4), 214-218. 2004.
- Lucca, Joyce; Romano Jr., Nicholas C.; Sharda, Ramesh; Weiser, Mark. "An Assessment of ELearning Technologies to Support Telecommunications Laboratory Learning Objectives," Proceedings of the Hawaii International Conference on System Sciences. 2004.
- Sharda, R., Romano, N., Lucca, J., Weiser, M., Scheets, G., Chung, J., and Sleezer, C. "Foundation for the Study of Computer-Supported Collaborative Learning Requiring Immersive Presence", Journal of Management Information Systems. 2004.
- Scheets, G. and Weiser, M. "Implementing a Remote and Collaborative 'Hands-on' Learning Environment," in Human Resource Development and Information Technology. Kluwer Academic Publishers. 2002.
- Chung, Jong-Moon; Ramasamy, Krishnaveni; Kotikalapudi, Vizayakumar; Mulla, Zia; Thiyagarajan, Girirajan; Weiser, Mark; Scheets, George; Sharda, Ramesh. "Virtual Laboratory Education for Persons with Vision Disabilities," Midwest Symposium on Circuits and Systems. 2002.
- Chinburg, S., Sharda, R., and Weiser, M. "Establishing the Business Value of Network Security Using Analytical Hierarchy Process," in Creating Business Value with Information Technology: Challenges and Solutions. Kluwer Publishers. 2002.
- Sharda, R., Lucca, J., and Weiser, M. "Coordinating Technologies for Virtual Organizations," in Mobile Computing: Implementing Pervasive Information and Communication Technologies. Kluwer Publishers. 2002.
- Weiser, M. and Wilson, R. "Adoption of Asynchronous Learning Tools by Traditional Full-Time Students: A Pilot Study." Information Technology and Management. October, 2001.

- Bento, A. and Weiser, M. "Critical Issues in Internet and Network Security." Americas Conference on Information Systems. August, 2001.
- Weiser, M. "What Happened to the Next Generation Internet?" Communications of the ACM. Vol. 44, No. 9. September, 2001
- Amiri, A. and Weiser, M. "Telecommunication Networks: Challenges and Changes." Americas Conference on Information Systems. August, 2000.
- Weiser, M., Wilson, R. "Using Video Streaming On The Internet For A Graduate It Course: A Case Study." Journal of Computing Information Systems, Spring. 1999.
- Weiser, M. and Morrison, J. "Project Memory: Information Management for Project Teams." Journal of Management Information Systems. Spring, 1998.
- Weiser, M. "Organizational Memory: Reducing Source-Sink Distance." Proceedings of the 30th Hawaii International Conference on System Sciences, Vol. III, IEEE Computer Society Press. Wailea, HI. January, 1997.
- Morrison, J. and Weiser, M. "A Research Framework for Empirical Studies in Organizational Memory." Proceedings of the 29th Hawaii International Conference on System Sciences IEEE Computer Society Press. Wailea, HI. January, 1996.
- Weiser, M. "Advanced Telecommunications Infrastructure Policies: A Comparative Analysis." Oklahoma Department of Commerce Publications. 1996.
- Morrison, J. and Weiser, M. "An Object-Oriented Model to Aid Organizational Decision Making and Learning." Proceedings of the 27th Hawaii International Conference on System Sciences, Vol. III, IEEE Computer Society Press. Wailea, HI. January, 1994.

#### **SELECT RECENT PHD COMMITTEES**

- Ward, Theodore Lee. "Robust Networking in Dense Wireless Networks," PhD in Computer Science, expected 2015.
- Thomas, Joseph. "Automatic Deception Detection in High Stakes Field Settings Utilizing Vocal-Based Cues," PhD in Business Administration. 2014.
- Tabrizi, Alireza Boloorch. "On the Conjunction of Network Security Requirements and Clustering: A New Framework for Reliable and Energy-Efficient Communication," PhD in Computer Science, 2014.
- Sikolia, David. "Towards a Theory of User Compliance with Information Security Policies – A Grounded Theory Methodology," PhD in Business Administration, 2013.
- Zhao, Huanyu.  
 "cTrust: Trust Aggregation in Cyclic Mobile Ad Hoc Networks," MS awarded 2010.  
 "TrustNet: A Trust and Reputation Management System in Distributed Environments," PhD in Computer Science 2011.

## **SELECT RECENT SERVICE ACTIVITIES**

President, Special Interest Group on Computer Security (SIGSEC), Association for Information Systems, 2014-present.

Senior Advisor to the Digital Forensics Consortium, 2014-present.

Associate Editor, Journal of Information Systems Security (JISSEC), 2005 – present.

OSU Institute of Teaching & Learning Excellence Advisory Group, 2004-2014.

Keynote Speaker, 9<sup>th</sup> International Conference on Computing and Information Technology, Bangkok, Thailand, 2013

Track Chair, Information Systems Security, Assurance and Privacy. Americas Conference on Information Systems, 2012-2013.

OSU University Planning Committee, 2009-2012.

Coordinator, OSU's MSTM and CTANS Labs. Summer, 1997 – 2011.

Distinguished Guest, Sino-US Business Deans' Forum, Beijing, China, 2010.

Secretary, International Telecommunications, Education, and Research Association (ITERA), 2003-2007.

OSU Network Security Committee, 2003 – 2007.

Chair, Special Interest Group on Network Security (SIGSEC), Association for Information Systems, 2004-2006.

Co-chair, Special Interest Group on Network Security (SIGSEC), Association of Information Systems, 2002 – 2004.

OSU Faculty Council Executive Committee, 2002 – 2004.

Chair, OSU Long-Range Planning and Information Technology Committee, 2002 – 2004.

OSU Faculty Council, 2001 – 2004.

Chair, OSU Academic Computing and Advisory Committee, 1999 – 2002.