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EDUCATION

1988 Ph.D. Systems Science, Michigan State University, East Lansing, Michigan
1982 B.S. Systems Science, Michigan State University, East Lansing, Michigan

ACADEMIC EXPERIENCE

Arizona State University

2005 – 2010 **University Technology Officer**

Professor, *Division of Computing Studies*

Reporting to the University President, was responsible for the development and implementation of the University's strategic technology plan. Led a staff of 300 technology professionals working across Arizona State University's four campuses, serving more than 70,000 students. Significant accomplishments included the successful replacement of the university's outdated administrative infrastructure, the creation of the award winning MyASU portal, the development and deployment of e-Advisor, and the pioneering integration of cloud services including Google Apps for Education.

Iowa State University

2001 – 2005 **Stanley Professor**, College of Engineering

The Stanley Chair of Interdisciplinary Engineering was endowed by Mary Jo and Richard Stanley, BSME'55, BSEE'55, known world-wide for their thoughtful work toward global peace and justice. The chair's mission is to foster student and faculty engagement with interdisciplinary engineering practice, including creative collaboration among disciplines and involvement of public interest, societal, sustainable development, economic, management, and global concern.

2001 – 2005 **Associate Director**, *Virtual Reality Applications Center*

Assisted in the administration of one of ISU's leading interdisciplinary research centers with over \$10M in contract research, supporting more than 30 faculty and 150 students.

2002 – 2005 **Affiliations**

Department of Mechanical Engineering

Department of Aerospace Engineering

Bioinformatics and Computational Biology Program

Human Computer Interaction Program

PROFESSIONAL EXPERIENCE

2010 – 2013 **Senior Vice President for Product**, *Pearson, Denver, CO*

Helped forge the strategic technology partnership between ASU and Pearson which enabled the substantial growth of ASU Online. Led the product teams responsible for Learning Studio, Tapestry, and Equella. Led the product and design teams responsible for the development and launch of OpenClass, the world's first free, cloud based learning management system.

1995 – 2001 **Vice President and General Manager**, *EAI, Ames, Iowa*

EAI (NASDAQ:EAIL) was a dynamic 3D visualization company. In 1995, it was still privately held and had fewer than 100 employees. By 1998, EAI had been through two public stock offerings, had grown to 1000 employees and more than \$50M in annual revenues. Led a group of more than 200 programmers, artists, project managers and business development professionals responsible for a wide range of custom software products, from litigation animations and educational CDROMS to museum installations and best-selling computer games. By 1998, EAI Interactive revenue had grown to \$22M and had more than 70 projects in simultaneous development.

In 1999, founded a new business unit within EAI to launch eVis.com, an Internet based supply chain collaboration solution, in cooperation with Hewlett Packard. EAI provided the software and 3D visualization expertise and HP provided more than \$150M in hardware and hosting services. EVis.com provided internet enabled collaborative solutions for 150 corporate customers including: Ford, General Motors, Daimler Chrysler, Renault, Lockheed, Boeing, Caterpillar, John Deere, Oracle, Commerce One, I2, Hewlett Packard, Nokia, and Lucent as well as automotive Internet supply chain portal Covisint. EAI was acquired by Unigraphics in 2000 for \$210M.

1990 – 1995 **Vice President for Product Development**, *Cimlinc, Troy, Michigan*
Served in several capacities at Cimlinc, the last being Vice President of Product Development. Led the team which designed, developed and implemented Envelop, a freely downloadable, object oriented RAD environment similar to Visual Basic.

1988 – 1990 **Senior Research Engineer**, *Schlumberger, Ann Arbor, Michigan*
Member of the development team that created MacBravo!, the first line of CAD software for the Macintosh platform. Led the team responsible for FIT, the Flexible Interface Toolkit -- a c-shell like scripting language that allowed users to create graphical user interfaces and reconfigure them on the fly, a forerunner of languages like Tcl and Visual Basic.

ACADEMIC COURSES TAUGHT

Arizona State University

Semester	Course #	Course Title	Rating
2008S	CIS 494	Special Topics: Cloud Computing	*
2009F	CSE 493	Honors Thesis	*

Iowa State University

Semester	Course #	Course Title	Rating
2002S	ME 519	Computer Graphics and Geometric Modeling	4.77/5
2002Sum		Executive Masters - Week in Residence	*
2002F	IE 564	Technologists as Managers	*
2003S	IE 148	Information Engineering	4.56/5
2003S	ME 557	Computer Graphics and Geometric Modeling	4.79/5
2003F	IE 148	Information Engineering	4.79/6
2004S	IE 148	Information Engineering	4.67/5
2004S	ME 557	Computer Graphics and Geometric Modeling	4.71/5
2004F	IE 148	Information Engineering	*
2004F	ME 557	Computer Graphics and Geometric Modeling	*

COURSE DEVELOPMENT

Iowa State University

2003F	Developed new more comprehensive online examination format for IE 148 midterm and final exam. Students study a set of examination programs given 1 week prior to the exam and must interactively correct modified versions of the examination problems.
2003S	Revised web based class notes for IE 148 including sample code executables for the major instructional topics. Expanded the scope of the final project to include simple database modeling of a business process.
2002F	Created new course, IE 564 Technologists as Managers, as part of Executive Dual Masters Degree Program. This course is slated to be offered again in Spring 2005.
2002Sum	Collaborated with J. Oliver in the development and teaching of the Week-in-Residence program for the ISU College of Engineering's Executive Dual Degree Masters program, "Bringing Ideas to Market: Injecting the Entrepreneurial Spirit into Your Organization"
2002S	Revised ME 519 Computer Graphics and Geometric Modeling (later changed to ME/IE/CprE 557) to incorporate extensive new code samples and new online class notes.

SHORT COURSES OFFERED

Virtual Reality and Collaborative Immersive Environments for Distributed Mission Training, I/ITSEC Conference, Orlando, FL, December 2002 (attended by more than 100, CEU accredited)

Bringing Ideas to Market: Injecting the Entrepreneurial Spirit into Your Enterprise, Executive Engineer Dual Master's Degree Program, Week in Residence, Cooperative program between

Iowa State University's College of Engineering and University of Iowa's College of Business, co-developed and taught with J. Oliver, August 2002

ACADEMIC INITIATIVES

With three other colleagues -- Bernard, Cruz-Neira and Oliver -- developed the Human Computer Interaction (HCI) Initiative. The HCI Initiative was selected as one of five Presidential Academic Initiatives awarded as part of a competitive campus wide evaluation process. As part of the Initiative, established the HCI interdepartmental graduate major and worked to hire five new faculty members in five different supporting departments. The HCI graduate program has grown to an enrollment of more than 50 graduate students.

GRADUATE STUDENT SUPERVISION

PhD Students Supervised

Student	Program	Degree Granted
Jared Knutzon	HCI	2006Sum
Bryan Walters	ME/HCI	2005F
Bo Xu	IMSE	2007F

MS Students Supervised (Thesis)

Student	Program	Degree Granted
Jared Knutzon	CprE	2003Sum
Bryan Walters	ME	2003Sum
Liangshou Wu (co-advisor)	ME	2004F
Jason Schneekloth	HCI	2005Sum
Ronald Sidhartha	HCI	2005Sum
Brian Mila	HCI	2005Sum
Tyler Streeter	HCI	2005Sum
Tom Batkiewicz (co-advisor)	ME	2006F

Executive Engineer Dual Master's Degree Program

Master of Engineering, December 2002

Cooperative program between Iowa State University's College of Engineering and University of Iowa's College of Business

Student	Program	Degree Granted
Andrew Bice	Systems	2002F
Jordan Bruntz	Systems	2002F
Mitchell Corbett	Systems	2002F
Pat Goldsmith	Systems	2002F
Karen Ingwersen	Systems	2002F
Siri Long	Systems	2002F
Stewart McGill	Systems	2002F
Dale Miller	Systems	2002F
Jennifer Richmond	Systems	2002F
Russ Wagner	Systems	2002F

Undergraduate Research Assistants

Chad Okere	Lou Herard
Dan Rasmussen	Andrew Schwantes
Kevin Morrison	Stephen Johnson
Levi Vanoort	Matthew Wach

Graduate Student Committees

Student	Degree	Program
Chad Austin	MS	HCI
Eric Baack	MS	ME
Ole Balling	PhD	ME
Allen Bierbaum	PhD	CprE
Wutthigrai Boonsuk	MS	IMSE
Josh Brown	MS	HCI
Eric Eekhoff	MS	EE
Joe Hynek	MS	ME
Chang Kim	PhD	ME
Shailesh Kumar	MS	ME
Bernard Lwakabamba	MS	CprE
Jennifer Mann	MS	IMSE
Doug McCorkle	PhD	ME

Jong Myong Choi	MS	IMSE
Jon Olson	MS	ME
Denise Sadler	MS	Systems
Jason Stanek	MS	CprE
Jin Teck Shu	MS	ME
Hari Vepadharmalingam	MS	IMSE
Yang Yang	PhD	AE

GRANTS, CONTRACTS AND PROPOSALS SUMMARY

Total Grants and Contracts Awarded	\$6,430,225
As PI	\$4,543,099
As Co-PI	\$1,887,126
Total Unfunded Proposals	\$13,323,208

GRANTS AND CONTRACTS

Title	Source	Date	Amount
Real-time Immersive Design, Co-PI with PI Oliver	John Deere - Phase IV	5/1/2004 5/1/2007	\$216,338
Virtual Teleoperation of Unmanned Aerial Vehicles, PI with Co-PI Oliver	Air Force RDT&E: Combat Training Ranges, U.S. Department of Defense	12/1/2004 12/1/2006	\$2,800,000
C4 ISR Enterprise System Engineering, PI with Co-PI Oliver	Fakespace / CECOM US Army	12/1/2004 12/30/2005	\$185,000
Integrating Low-Cost Virtual Reality into Design and Technical Graphics Curricula, co-PI with PI S. Smith and Co-PI Thompson	National Science Foundation	10/11/2002 10/11/2005	\$694,527
On the Utility and Technical Feasibility of Immersive Macro-molecular Visualization, PI	CATD and Demonstratives Incorporated	6/1/2004 12/31/2004	\$18,500
Visualization of the Joint Battlespace, PI with Co-PI Cruz-Neira, Oliver	Air Force Research Lab	1/1/2004 12/31/2004	\$129,752
Military Applications of Immersive Environments, PI with Cruz-Neira, Bernard	Iowa Department of Public Defense	4/1/2001 8/31/2004	\$1,200,000
Video Game Violence in A Virtual Reality Environment, Co-PI with PI Bushman, and Co-PIs Anderson, Oliver	ISU Vice Provost for Research	2/11/2003 6/30/2004	\$50,185

C4 ISR Enterprise System Engineering, PI with Co-PI Oliver	Fakespace / CECOM US Army	5/1/2004 4/30/2004	\$209,847
Field-Deployable Reconfigurable Immersive System for C2 Applications, Co-PI with PI Cruz-Neira, and Co-PI Bernard	Air Force Office of Scientific Research	4/1/2004 3/31/2004	\$247,417
Real-Time Risk Analysis of Infectious Diseases and Biological Events, Co-PI with PI Evans	Healthy Livestock Initiative Grant Program	7/1/2002 7/1/2003	\$20,000
Visualization of the Joint Battlespace, Co-PI with PI-Bernard, and Co-PI Cruz-Neira	Air Force Research Lab (AFRL/IFB)	4/25/2001 12/31/2002	\$299,908
Visualization of the Joint Battlespace (continuation), Co-PI with PI-Bernard, Co-PI's Cruz-Neira, Oliver	Air Force Research Lab (AFRL/IFB)	8/29/2001 12/31/2002	\$287,703
An Atonal Approach to Sonification of Scientific and Engineering Data, Co-PI with PI Bryden, and Co-PIs Ashlock, Bryden, Schnabel	Institute for Physical Research and Technology, Iowa State University	9/12/2001 12/31/2002	\$71,048

PUBLICATIONS

Book Chapters

A.V. Sannier, "IT Evolution and the Changing Face of Mobility Technologies," Inside the Minds: Establishing Enterprise Mobility, 2009.

Archival Journals

R. Sidharta, J.H. Oliver, and A.V. Sannier, "Augmented Tangible Interfaces for Product Assembly Planning," International Journal of Product Lifecycle Management, 2006

B. Walter, A. Sannier, D. Reiners and J.H. Oliver, "UAV Swarm Control: Calculating Digital Pheromone Fields with the GPU," Journal of Defense Modeling and Simulation, 2006

J.S. Knutzon, B.E. Walter, A.V. Sannier, and J.H. Oliver, "An Immersive Approach to Command and Control," Journal of Battlefield Technology, Vol. 7, No. 1, pp. 37-42, March 2004

Conference Proceedings (reviewed)

T. Streeter, J.H. Oliver, A.V. Sannier, "Verve: A General Purpose Open Source Reinforcement Learning Toolkit," in review, ASME 2006 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference, Philadelphia, PA, September 2006

B. Walter, A. Sannier, D. Reiners and J.H. Oliver, "UAV Swarm Control: Calculating Digital Pheromone Fields with the GPU," Interservice/Industry Training, Simulation, and Education Conference (I/ITSEC), Orlando, FL, December 2005 (best paper award)

L.S. Wu, J.H. Oliver and A.V. Sannier, "Network-based vehicle collision detection and simulation," Proceedings of IDETC/CIE 2005, ASME 2005 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference, Long Beach, CA, September 2005

R. Sidharta, J.H. Oliver, and A.V. Sannier, "Augmented Tangible Interfaces for CAD Design Review," Proc. PLM'05 International Conference on Product Lifecycle Management, pp 411-423, Lyon, France, July 2005

B.E. Walter, J.S. Knutzon, A.V. Sannier and J.H. Oliver, "VR Aided Control of UAVs," 3rd AIAA Unmanned Unlimited Technical Conference, Workshop and Exhibit, Paper No. AIAA 2004-6320, Chicago, IL, September 20-23, 2004

J.S. Knutzon, B.E. Walter, A.V. Sannier, and J.H. Oliver, "Command and Control in Distributed Mission Training - An Immersive Approach", NATO Symposium on Critical Design Issues for the Human-Machine Interface, Prague, Czech Republic, May 2003

B. Mila, "Input, Control, and Application Design for a Useable Wearable Computer", ISWC/ISMAR 2004 Newbie and Student Colloquium, IEEE and ACM International Symposium on Mixed and Augmented Reality, November 2004, Arlington, Virginia.

Bryan E. Walter, Jared S. Knutzon, Adrian V. Sannier and James H. Oliver, VR Aided Control of UAVs/UGVs, 24th Army Science Conference, November 2004, Orlando, Florida.

A. Sannier, E. Goodman, "Midgard: A Genetic Approach to Adaptive Network Load Balancing," Proceedings of the Fifth International Conference on Machine Learning, University of Michigan, Ann Arbor, Michigan, June 1988.

A. Sannier, E. Goodman, "Genetic Algorithms in Distributed Systems", Proceedings of the Second International Conference on Genetic Algorithms, Massachusetts Institute of Technology, Cambridge, Massachusetts, July 1987.

E. Potchen, E. Goodman, A. Sannier, et. al., "High Field Magnetic Resonance Images and Computer Graphical Reconstruction of the Corpus Striatum", American Society of Neuroradiology National Meeting, San Diego, California, January 1986.

Conference Proceedings (non-reviewed)

Balling, Knight, Walter, Sannier, "Collaborative Driving Simulation", Society of Automotive Engineers 2002 Conference

Technical Reports

J. Bernard, C. Cruz-Neira, J. Oliver, and A. Sannier, "Command and Control Embedded Training: Visualization of the Joint Battlespace", Final Technical Report, AFRL/IFSA Contract F30602-00-2-0622, July 2004.

Evans R, Sannier A, O'Connor A, Zimmerman J, Wach M. November 2003. Application of virtual reality to the development of disease outbreak / control strategy models. Proc 84th Ann Meet Conference of Research Workers in Animal Diseases, Abstr 42.

Evans R, Sannier A, O'Connor A, Zimmerman J, Wach M. November 2003. Evaluation of static and dynamic infectious disease outbreak control strategies using virtual reality. Proc 84th Ann Meet Conference of Research Workers in Animal Diseases, Abstr 43.

ACADEMIC EXHIBITS

BCCX Grand Opening, 133rd ACS, Ft. Dodge, IA, August 2003

Invited by our research sponsor, Iowa Air National Guard, to display DoD-related applications at their debut of the mobile *Battle Control Center Experimental* (BCCX). Attended by over 200 government and defense personnel from across the nation. Our exhibit incorporated a large, rear-projected display featuring our immersive battlespace simulator, and an interactive layout application for the BCCX.

I/ITSEC 2002, Orlando, FL, December 2002

Invited by our research sponsor AFRL to display two immersive applications in their booth at the I/ITSEC show floor. I/ITSEC is the premier venue for defense-related simulation technologies. Our exhibit incorporated a large, rear-projected display featuring our immersive battlespace simulator, and an interactive layout application for multi-mission aircraft.

I/ITSEC 2001, Orlando, FL, December 2002

Displayed intermediate results of immersive battlespace visualization project sponsored by AFRL in conjunction with the Iowa National Guard's 133rd Air Control Squadron. I/ITSEC is the premier venue for defense-related simulation technologies.

SELECTED QUOTES AND PRESS

“Steady as she goes,” *Campus Technology*, 1-October-2009

At Arizona State we're feeling things a little more keenly than some of the others. In addition to freezes, we have a university-wide furlough that applies to IT. On top of that we've cut at least \$2 million off our \$67 million budget and may have to give another \$1 million back. And as we look toward next year, the scenario could be even bleaker... <http://tinyurl.com/yjcjf8u>

“ASU, Qwest ink 5-year, \$54 million deal,” *Phoenix Business Journal*, September-2009

The capability, versatility and value of our overall network will jump very quickly because there's little additional physical infrastructure we will have to manage, said Adrian Sannier, university technology officer at ASU, in a statement. "We're optimistic this approach will allow us to deliver better voice and data to and from our classrooms, laboratories and dormitories. <http://tinyurl.com/yg9mmcm>

“Arizona State University Saves USD 1.48 Million with Qwest,” *RFP Connect*, 25-September-2009

The capability, versatility and value of our overall network will jump very quickly because there's little additional physical infrastructure we will have to manage. We're optimistic this innovative, fully managed approach will allow us to deliver better voice and data to and from our classrooms, laboratories and dormitories, says Adrian Sannier, university technology officer for ASU. <http://tinyurl.com/yjmk3lz>

“Will Arizona Univ save \$1.46 mn a year?,” *CIOL.com*, 25-September-2009

Adrian Sannier, university technology officer for ASU says that the capability, versatility and value of overall network will jump very quickly because there's little additional physical infrastructure they will have to manage. We're optimistic this innovative, fully managed approach will allow us to deliver better voice and data to and from our classrooms, laboratories and dormitories. <http://tinyurl.com/ygu6qvq>

“Arizona State University expands relationship with Qwest Communications,” *TMCnet.com*, 25-September-2009

The capability, versatility and value of our overall network will jump very quickly because there's little additional physical infrastructure we will have to manage, said Adrian Sannier, university technology officer for ASU, in a statement. <http://tinyurl.com/yzhrlkw>

“Will the Kindle DX change reading habits?,” *msnbc.com*, 18-May-2009

The most important thing about the new Kindle is its existence in an ecosystem that Amazon is creating, said Adrian Sannier, technology officer at Arizona State University, one of the six universities launching pilot programs with the Kindle DX. It's all the elements coming together that makes this attempt so different.

<http://www.msnbc.msn.com/id/30772171/>

“Universities spar over open-source benefits,” *CNET News*, 3-November-2008

OStatic reports on academic debate (literally) around the value of open source at the recent Educause conference. Apparently Adrian Sannier, university technology officer at Arizona State University, stirred the pot by claiming that license cost savings from open-source software will be eaten up by the consulting fees allegedly required to make it work. <http://tinyurl.com/558hr5>

“Open Source FUD Flies at Florida Higher Education Conference,” *OSTATIC*, 31-October-2008

The New York Times quotes Adrian Sannier, university technology officer and professor of computing studies at Arizona State University, speaking at Educause. He argues that cost savings will be consumed by the consulting fees paid to deploy "community-source enterprise applications." "The consultants who help you are like bartenders serving drunks," he's quoted as saying. <http://tinyurl.com/yzx82pz>

“Education IT chiefs debate open source,” *Network World*, 30-October-2008

I don't think there's any reason to believe that we will substantially match our business [with a community-source project] any better than a commercial system, countered Adrian Sannier, university technology officer and professor of computing studies at Arizona State University. The CIOs of oil companies don't say 'our business is so different from everyone else's, [that] we have to write our own financial applications.' They're doing everything they can to get out of that business. <http://tinyurl.com/yfchbb5>

“Taking Facebook Back to Campus,” *Inside Higher Ed*, 24-October-2008

Killer, this idea of using social networks inside the recruiting space, said Adrian Sannier, the university technology officer at Arizona State University. You know that you could fund universities and build communities of people who are committed to the mission of the university and ... to donate in the same kind of pattern that Obama has been able to generate in his campaign.

<http://tinyurl.com/68p4ek>

“Google, Microsoft vie for Universities,” *Washington Post*, 4-August-2009
Google's education outreach began with Arizona State University (ASU), which outsourced its entire e-mail operation for 65,000 students to Google's Gmail, giving users a range of services unavailable on the school's existing e-mail system, such as 6GB of storage, built-in chat, and search, without spam headaches or downtime. It saved ASU about US\$400,000 per year in IT infrastructure costs, according to Adrian Sannier, ASU's University Technology Officer.

<http://tinyurl.com/yzpw72j>

“ASU's Adrian Sannier to Keynote Campus Technology 2008 in Boston,” *TMC Net*, 19-May-2008 <http://tinyurl.com/ykdlsun>

“Is Blackboard on your BlackBerry far behind?,” *Inside Higher Ed*, 15-January-2008

Many colleges also use Blackboard point-of-sale systems, such as student ID cards with built-in debit accounts. Adrian Sannier, the university technology officer at Arizona State University, which has a history of adopting promising technologies early on, said "the jury's out" on whether text messages are more effective than other means of communication when it comes to emergency notification and other functions. For example, the growth of smartphones and PDAs may eventually supercede SMS messages altogether, he said.

<http://tinyurl.com/yjtfvz>

“Google Expands its Bid to Run Student Email Systems,” *The Chronicle of Higher Education*, 20-October-2006

We want to demonstrate that Arizona State University is capable of a nimbleness in the technology space that rivals what Silicon Valley can do, said Adrian Sannier, a technology officer for Arizona State's office of the president.

<http://tinyurl.com/yf6m8pr>

INVITED AND KEYNOTE ADDRESSES

- *In School Suspension: Technology and the Next Generation Learner*, Keynote Speaker, Pearson Higher Education President's Roundtable (Colorado Springs, CO October 8, 2009).
- *In School Suspension: Technology and the Next Generation Learner*, Keynote Speaker, 5th Annual Innovations in e-Learning Symposium (George Mason University, Washington, D.C. June 5, 2009).
- *Direction of Telecommunications—Future Trends and Strategies*, Keynote Speaker, NASTD Conference (Jackson, WY June 2, 2009).
- *In School Suspension: Technology and the Next-Gen Learner*, Keynote Speaker, Apple Education Leadership Summit (Baltimore, MD April 16, 2009).
- *Moving to the Web*, Invited Speaker, 2009 Campus Technology Summit (Palm Springs, CA April 7, 2009).
- *A New American University for Next- Gen Learners*, Keynote Speaker, TDWI BI Executive Summit (Las Vegas, NV February 25, 2009).
- *In School Suspension: Technology and the Next-Gen Learner*, Invited Speaker, CIO Leadership Summit (Scottsdale, AZ February 5, 2009).
- *The Community Source Model: Promise or Peril for Higher Ed?*, Invited Debate, Educause 2008 (Orlando, FL October 29, 2008).
- *Managing Unmanaged/Unstructured Data: update on virtualization and unstructured data projects*, Apple CIO Executive Forum (Scottsdale, AZ October 21, 2008).
- *Globalization and Higher Education*, Invited Lecturer, ISU (Iowa September 30, 2008).
- *Outsourcing Core Applications: How Economics, Politics and Law are Shaping IT in Higher Education*, Panel Speaker, North West Academic Computing Consortium 2008 Spring CIO Summit and Board Meeting (Portland, OR June 4, 2008).

- *A New Approach to IT for Higher Education*, Keynote Speaker, Computer and Communications Security (Scottsdale, AZ May 18, 2009).
- *Strategic Technology Alliances at Arizona State University*, Keynote Speaker, 2008 SIGUCCS Management Symposium (SMS) (Tucson, AZ April 7, 2008).
- *Core vs. Context: The Importance of Strategic Technology Alliance*, Keynote Speaker, Montana Telecom Conference 2007 (Billings, MT September 5, 2007).
- *Strategic Alliances: Technology's Role in the New American University*, Keynote Speaker, EduComm (Santa Ana, CA June 19, 2007).
- *ASU and iTunesU*, Apple Worldwide Developers Conference (San Francisco, CA June 11, 2007).
- *Strategic Technology Alliance –Procurement for Strategic Advantage*, Keynote Speaker, Nacas West Conference (Edmonton, Alberta, Canada June 3, 2007).
- *ASU Strategic Technology Plan*, Oracle Higher Education Leaders Forum (San Jose, CA May 1, 2007).
- *ASU and iTunesU*, Keynote Speaker, Apple University Executive Forum (San Jose, CA March 15, 2007).
- *Revolution - Chasing and Catching the Technology Curve*, Keynote Speaker, 2007 Alliance Conference (Lake Buena Vista, FL March 12, 2007).
- *Googlizing your Infrastructure: IT and the Cloud*, Keynote Speaker, American Petroleum Institute Annual Meeting (New Orleans, LA October 16, 2007).
- *ASU's MyApps: A Network Approach to Application Delivery*, Educause (Dallas, TX October 10, 2006).
- *Strategic Technology Alliance*, Keynote Speaker, Future of Education Purchasing Conference (Los Angeles, CA October 2, 2006).

SERVICE

Arizona State University

Faculty Promotion and Tenure Committee, Division of Computing Studies, 2008

Advisory Board Member, School of Computing and Informatics, 2006-2008

Faculty Mentor, Barrett Honors College Program, 2006-2010

University Technology Council, 2005-2010

Iowa State University

Faculty Senate IT Committee, 2004

IMSE Graduate Committee, 2004

College of Engineering Professional Development Committee, 2004

HCI Supervisory Committee, 2003-2005

EFTF College Ad Hoc Committee, 2003

IMSE Honors and Awards Committee, 2003

IMSE Faculty Search Committee, 2003

Mentor, ISU Preparing Future Faculty Program, 2003-2005

Faculty Mentor, Iowa State University Honors Program, 2002-2005