

**AJAY S. VINZÉ**  
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## **PRESENT POSITION**

**Earl and Gladys Davis Distinguished Professor of Business**

August 2000 to Present

**Associate Dean**, International Programs, W. P. Carey School of Business

May 2012 to Present

**Associate vice-Provost**, Graduate Education, Arizona State University

May 2013 to Present

## **EDUCATION**

Ph.D. in Business Administration

Concentration: Management Information Systems

University of Arizona, 1988

Master of Business Administration

Concentration: Finance

University of Connecticut, 1982

Bachelor of Commerce (Honors)

Major: Accounting

University of Delhi, 1977

## **FOCUS AREAS (RESEARCH and TEACHING)**

- Strategic Applications and International Implications for Information Technology  
*Latin American, East European/Balkan and a South/Southeast Asian Focus*
- Collaborative Decision Making  
*Group polarization, Facilitating goal and incentive alignment*
- Disaster (and Emergency) Preparedness and Response  
*Applications in Public Health, Information Supply Chains and Emerging Technology Gamification*
- Education and Curriculum development  
*Technology Oriented Change Management, Global/Cross Cultural Applications and IT strategy and policy*

## **EXPERIENCE**

### **Academic**

Director, Executive MBA Program - W. P. Carey School of Business, Arizona State University. (2007 - 2010) – Ranked achieved by Summer 2010 - #13 in the country - *Wall Street Journal* rankings of Executive MBA programs.

Founder and Inaugural Director for the Technology Research Center, W. P. Carey School of Business, Center for Advancing Business through Information Technology (CABIT). July 2002 to July 2007. Center was recognized by Governor Janet Napolitano as a leading contributor of intellectual value to the State of Arizona.

Director, MIS Ph.D. Program, W. P. Carey School of Business, Arizona State University, August 1999 - July 2002

Associate Professor, Information Technology Management, School of Accountancy and Information Management, W. P. Carey School of Business, Arizona State University, August 1998 - July 2000.

Associate Professor, Management Information Systems, Department of Business Analysis and Research, Texas A&M University, September 1994 - July 1998.

Assistant Professor, Management Information Systems, Department of Business Analysis and Research, Texas A&M University, August 1988 - August 1994 (Promoted, with tenure, to Associate Professor, September 1, 1994).

Research Associate, M.I.S. Department, University of Arizona, 1986-1988. Project director of expert system development project (ICE) supported by a grant from IBM/Endicott.

Research Assistant, M.I.S. Department, University of Arizona, 1984-1986. Lead developer on modules for collaborative computing and the group decision support systems laboratory.

### **Industry (Public and Private Sector)**

Member, Board of Directors – ISSC - Taiwan (Microchip Corporation). July 2014 to Present

Gamification of Table-Top Exercises – A focus on Emergency Preparedness and Response – Maricopa County Department of Public Health. July 2012 to December 2014.

Economic Impact of Infectious Diseases – the Maricopa County Department of Public Health, this research undertaking develops static and dynamic models to assess public health investments in disease management and associated policy implications. August 2010 to July 2012.

H1N1 Vaccine Distribution Project. Manager for the team that designed, developed and implemented a decision support system and associated database facilitated all H1N1 vaccine distribution for Maricopa County Department of Public Health (MCDPH). Vaccine distribution

in its Over 1.5 million doses distributed and tracked using the system that was developed for the county. November 2009 to March 2010.

Member Super bowl Public Health and Healthcare Workgroup for Superbowl XLII in Glendale, Arizona. Workgroup included participants from the NFL, FBI, State and Local healthcare partners and first responders – October 2007 to February 2008.

Barrows Neurological Institute (October 2006 to June 2007) – Profiling intervention strategies by examining HL/7 data on Multiple Sclerosis – Data Mining/Modeling orientation.

State of Arizona in conjunction with the National Governor's Association (July 2006 to May 2007) – Defining variations in business practices for health information technology and health information exchange to identify security, privacy, technical and legal boundaries.

State of Arizona – Member Executive Leadership Team (October 2005 to November 2007) - to assist with direct and oversee the implementation of E-Health Initiatives for the State of Arizona.

IBM Corporation, (January 2005 to March 2008) - Lead for project focused on the managing Demand Surges in information supply chains associated with the Healthcare establishment and their dealings with health epidemics and outbreaks. The project integrated autonomic computing concepts to complement a simulation model developed to demonstrate the impacts and implications of demand surges on information flows.

Arizona Department of Health Services: Medsis Project (December 2004 – November 2005) - Project leader for CDR-Medsis Gap Analysis Project for the Arizona Department of Health Services. The effort included detailing data descriptions and organization at the County level (Communicable Disease Repository) and mapping it to the business and workflow processes associated with public health surveillance system being developed for a statewide implementation (Medsis).

Arizona Department of Health Services (August 2003 – June 2004) - Need Assessment for Bio-Terrorism Surveillance Systems for Maricopa County. The effort included an in-depth analysis of data and business models and work flow processes to bring efficiencies in from data and connectivity per the requirements of Centers for Disease Control (CDC) and the Department of Human Services.

US Army Information Systems and Engineering Command (ISEC), Ft. Huachuca, Arizona (August 2003-August 2004) – Led an independent validation and verification team to evaluate service level agreements and develop performance metrics for on-going assessment.

Intel Corporation, Arizona and Oregon sites (June 2002 - February 2003) - Project leader for developing a knowledge ontology for FA/FI with a TEM orientation. The effort included development and implementation of the ontology to facilitate efficient reuse of failure analysis data.

Catholic Healthcare West (Hospital Chain), Phoenix, Arizona (November 1999 - May 2000) - Led a team to evaluate user profiling and security concerns in the Shared Business Services. The

project focuses in particular on evaluating profiling and related concerns in the SAP implementation at CHW.

Arizona Republic – Newspaper (November 1999 - May 2000) - Developed design issues for the Republic's presence on the Web. Analysis includes development of best practices in the industry and some basic exploratory data mining.

Arizona Supreme Court, Phoenix, Arizona (November 1998 - May 1999). Supervised project documenting requirements for an Integrated Justice System for the State of Arizona. The project documented both the intra-Arizona needs in the criminal justice system and cross-compared it with efforts in other states around the country.

Texas Department of Human Services (TDHS), Austin, Texas (September 1993 - April 1994) - Supervised project for information requirements analysis of a regional office. The project was to define areas where information technology could be implemented to enhance effectiveness of services provided.

St. Luke's Episcopal Hospital, Houston, Texas (January 1991 - October 1991) - Developed an intelligent (reactive) scheduler for the Heart Catharization Laboratories. This scheduler was for the largest cardiac catharization facility in the world.

IBM Corp (January 1985 - March 1987) - Expert Systems Support for End-Users, part of an Information Center Project at the University of Arizona. Principal developer of an Expert System to support end-users at the IBM-Endicott, NY and IBM-Tucson locations.

E.D.P. Manager, Indo-Phil Textile Mills, Manila, Philippines, 1984. In-charge of all accounting and management information systems.

Technical Staff, SyCip, Gorres, Velayo & Co., Manila, Philippines, 1982-1984. Involved with project on review and redesign of internal reporting system for SGV & Co. and project for design and implementation of a payroll system for Motorola, Philippines.

## **HONORS, AWARDS and RECOGNITION**

Faculty Excellence Award (Arizona State University, 2012). Recognized by the University as one of the outstanding faculty for contributions made over a ten-year period. The award recognizes contribution for [Defining Edge Research and Creative Work - Professional Application](#).

Fulbright Senior Specialist/Scholar (2008-2013 ... extended through 2014). Initial assignment with the University of Sarajevo, Bosnia Herzegovina – Academic year 2008-09; Second assignment is with Universidad ESAN, Lima, Peru and focuses broadly on the Latin American region – Academic year 2012-14.

Faculty Research Award – *IBM T. J. Watson Research Center* (2005-06; 2006-07; and, 2007-08)

Featured speaker on Human Resource (HR) issues in the Public Sector (2007) – invited by the the Harvard Business School - “Preparing for Disaster Response: The HR Imperatives,” Annual Conference of the Society for Human Resource Management, Las Vegas.

Guest Editorship (2007) – with T. S. Raghu. Organized special issue of *The International Journal of Human-Computer Studies*. Topic: Information Security in the Knowledge Economy.

Guest Editorship (2007) – with T. S. Raghu and Sal March. Organized special issue of *The Journal of AIS*. Topic: Information Supply Chain.

Guest Editor (2006-07) – with H. Chen, T. S. Raghu, R. Ramesh and D. Zeng. “Handbook in Information Systems: National Security” – Elsevier Publishing.

Executive leadership team to define the Roadmap for Health-*e* connection per the Governor’s Executive Order (2005-25) - State of Arizona – (2005-06).

SAS Institute's Enterprise Computing Award (1999). Received for the Decision Support Systems course (CIS 512) taught in the 1998-99 academic year. This award recognizes innovative use of technology in education.

Jet Propulsion Laboratory - JPL/NASA (1999). Invited speaker at JPL-NASA Integrated Systems Environment. Talk focused on developing metrics for collaborative environments used in the design of future space missions.

Guest Editorship (1997). Organized a special issue of *The International Journal of Human-Computer Studies*. Topic: Group Support Systems.

Teaching Award (1996/97). Association of Former Students College Level Distinguished Teaching Award. Mays College and Graduate School of Business, Texas A&M University.

Guest Editorship (1996). Organized a special issue of *Decision Support Systems: The International Journal*. Topic - Model Formulation: Theory, Process, and Support Systems.

Who'sWho in the South and Southwest (24<sup>th</sup> and 25<sup>th</sup> editions, 1995, 1996) biographical sketch as a professional dealing with Information Technology issues in the region.

Associate Editor (1992-1996). Editorial board of the *International Journal of Human Computer Studies* (formerly *International Journal of Man-Machine Studies*), Cambridge, United Kingdom.

Teacher of the Year (1994/95). Teaching Award from the College of Business Administration Honors Program, Texas A&M University.

Guest Editorship (January, 1994). Organized a special issue of the *International Journal of Expert Systems with Applications*. Topic: Blackboard Paradigm and its Applications.

Best Paper Award (1992). “AEROBA: A Blackboard Approach to Model Formulation,” (lead author - with Arun Sen and Shue Feng T. Liou). Twenty Fifth Annual Hawaii International Conference on Systems Sciences - Decision Support and Knowledge Based Systems track.

Best Paper Award (1988). “Knowledge-Based Systems Support for Information Centers,” (lead author with Jay F. Nunamaker, Jr., Benn R. Konsynski, Minder Chen, Y. Irene Liou Chen and Mari M. Heltne). Twenty First Annual Hawaii International Conference on Systems Sciences - Decision Support and Knowledge Based Systems track.

Tucson Mayor's Award (1985). Awarded for outstanding community service.

## RESEARCH PUBLICATIONS

### Refereed Journal Articles

1. “An economic framework for transitioning to capacity building,” (with Baranick, E. and Baird, A.) in *Global Public Health*. Forthcoming 2014.
2. “Event sequence modeling of IT adoption in healthcare,” (with Spaulding, T.J., Furukawa, M.F. and Raghu, T.S.) in *Decision Support Systems: The International Journal*. Volume 55, Issue 2, May 2013, Pages 428–437
3. “Exploring the Role of Interactive Computer Simulations in Public Administration Education,” (with Hu, Q., Hemphill, L., Krishnamurthy, R. and Johnston, E) *Journal of Public Affairs Education*. Summer 2012, Vol 18(3) pp 513-530.
4. “Living with Multiple Sclerosis: Lifestyle Decisions Based on Patient Historical Data,” (with Freeze, R. and Raghu, T.S.), Accepted for publication in the Annals of IS – Special issue on Medical Informatics. February 2012
5. “Decision Support for Containing Pandemic Propagation,” (with Arora, H. and Raghu, T.S.), *ACM Transactions on Management Information Systems*, Vol 2(4), December 2011, Article number 23.
6. “Resource allocation for demand surge mitigation during disaster response,” (with Arora, H. and Raghu, T.S), *Decision Support Systems: The International Journal*, Vol 50(1), December 2010, pp. 304-315.
7. “Using Process Mining to Identify Coordination Patterns in IT Service Management.” (with Edgington, T and Raghu, T. S.), *Decision Support Systems: The International Journal*, Vol 49(1), May 2010, pp. 175-186.
8. “Sharing Demand Information in Heterogeneous IT Service Environments: Impact on Pricing Strategies,” (with Sen, S., Raghu, T. S.), *Journal of Management Information Systems*, Volume 26 (4), Spring 2010, pp. 287-316.

9. "Information Intermediaries for Emergency Preparedness and Response: A Case Study from Public Health," (with Minu Ipe and T. S. Raghu). *Information Systems Frontiers*, Volume 12, 2010, pp. 67-79.
10. "Process Model for e-Business Standards Development: A Case of ebXML Standards," with Beom-Jin, T.S. Raghu and Kevin Dooley). *IEEE Transactions on Engineering Management*, (Volume 56, (3), August 2009, pp. 448-467.
11. "Demand Heterogeneity in IT Infrastructure Services: Modeling and Evaluation of a Dynamic Approach to Defining Service Level Agreements," (with Sagnika Sen and T. S. Raghu). *Information Systems Research*, Volume 20 (2), June 2009, pp. 258-276.
12. "Willingness To Pay In An open Source Software Environment," (with T. S. Raghu, Rajiv Sinha and Orneita Burton). *Information Systems Research*, Volume 20 (2), June 2009, pp. 218-236.
13. "Adoption of Health Information Technology for Medication Safety in US Hospitals," (with Michael Furukawa, T. S. Raghu and Trent Spaulding). *Health Affairs*, Volume 27(3), May-June, 2008, pp. 865-875.
14. "A Business Process Context for Knowledge Management," (with Raghu, T. S.) *Decision Support Systems: The International Journal*, Volume 43(3), 2007, pp. 1062-1079.
15. "Polarization and Dissatisfaction in Group Settings," (with Maha El-Shinnawy). *Journal of Computer Information Systems*. Winter 2006.
16. "Ontology-enabled Knowledge Management," (with Theresa Edgington, Beom-Jin Choi, Katherine Henson and T. S. Raghu). *Communications of the ACM*, Volume 47, No. 11, Pages 85-90, November 2004.
17. "Addressing a standards creation process," (with Choi, B.J. and Raghu, T.S.) *International Journal of Human Computer Studies*, Volume 61, No. 5, Pages 627-648 – November 2004
18. "Barriers to adoption of software reuse. A qualitative study," (With Karma Sherif). *Information and Management*, Volume 41, Fall 2003, pages 159-175.
19. "Globe Telecom: A focus on the Philippine Telecommunications Sector," (with Ryan LaBrie). *Annals of Cases on Information Technology (ACIT)*. Volume 5, 2003.
20. "Domain Engineering for Developing Software Repositories: A Case Study," (with Karma Sherif). *Decision Support Systems: The International Journal*. Volume 33, No 1, May 2002, Pages 55-69
21. "PeterStar: Succeeding in the Russian Telecommunication Environment," (with Dawn G. Gregg). Accepted for publication by *Eurasia Foundation Business Case Repository*. The case is being translated to Russian for adoption by the Russian Business Schools as part of their curriculum. Summer 2002.

22. "Understanding the Philosophical Underpinnings of Software Engineering Research in Information Systems," (with Dawn G. Gregg and Uday R. Kulkarni). *Information Systems Frontiers*. Volume 3, Number 2, 2001, pages 169-183.
23. "Scheduling Cardiac Procedures: A Knowledge-based Approach," (with Anandhi Bharadwaj and Arun Sen). *IEEE Transactions on Engineering Management*. Volume 46, Number 3, August 1999, pp. 322-334.
24. "Polarization and Persuasive Argumentation: A Study of Decision Making in Group Settings," (with Maha El-Shinnawy). *MIS Quarterly*, Volume 22, Number 2, June 1998, pp. 165-198.
25. "Technology, Culture and Persuasiveness: A Study of Choice-Shifts in Group Settings," (with Maha El-Shinnawy). *International Journal of Human-Computer Studies*, Volume 47, November 1997, pp. 473-496.
26. "Prescription for Software Support to Model Formulation," (with Arun Sen). *Decision Science*, Volume 28, Number 2, Spring 1997, pp. 443-473.
27. "Use of Cognitive Process Modeling in Knowledge Base Systems Integration," (with Ravi Vellore and Arun Sen). *Decision Support Systems: The International Journal*, Volume 16, 1996, pp. 359-392.
28. "Information Technology Support for Collaborative Decision Making in Auditing: An Experimental Investigation," (with Vijay Karan, David S. Kerr and Uday S. Murthy). *Decision Support Systems: The International Journal*, Volume 16, 1996, pp. 181-194.
29. "Assessing the Suitability of Judgmental Auditing Tasks for Expert Systems Development: An Empirical Approach," (with Vijay Karan and Uday Murthy). *International Journal of Expert Systems with Applications*, Volume 9, Number 4, 1995, pp. 441-455.
30. "APX: An Integrated Knowledge-Based System to Support Audit Planning," (with Anandhi Bharadwaj, Vijay Karan, Radhakanta Mahapatra, and Uday Murthy). *International Journal of Intelligent Systems in Accounting, Finance & Management*, Volume 2, 1995.
31. "The Role of Control in the Process of Model Formulation," (with Arun Sen and Shue-Feng T. Liou). *Information Systems Research*. Volume 5, Number 3, pp. 219-248, September 1994.
32. "A Blackboard Architecture for Reactive Scheduling," (with Anandhi Bharadwaj and Arun Sen). *International Journal of Expert Systems with Applications*. Volume 7, Number 1, pp. 55-65, January-March 1994.
33. "Operationalizing the Opportunistic Behavior in Model Formulation," (with Arun Sen and Shue-Feng T. Liou), *International Journal of Man-Machine Studies*. Volume 38, Number 3, pp. 509-540, March 1993.

34. "Reason Maintenance: A Mechanism for Supporting Model Formulation Systems," (with Anandhi Bharadwaj and Arun Sen), *OMEGA: The International Journal of Management Science*. Volume 21, Number 1, pp. 123-133, 1993.
35. "MODELER: Incorporating Experiences to Support Model Formulation: A Case-Based Planning Approach," (with Ravi C. Vellore and Arun Sen), *International Journal of Expert Systems with Applications*. Volume 6, Number 1, pp. 37-56, January 1993.
36. "AEROBA: A Blackboard Approach to Model Formulation," (with Arun Sen and Shue-Feng T. Liou), *Journal of Management Information Systems*. Volume 9, Number 3, pp. 123-143, Winter 1992-93.
37. "Construction of a Model Formulation Consultant: The AEROBA Experience," (with Shue-Feng T. Liou and Arun Sen), *IEEE Transactions on Systems, Man, and Cybernetics*. Volume 22, Number 5, pp. 1220-1232, September/October 1992.
38. "Empirical Verification of Effectiveness for a Knowledge-Based System: The Users' Perspective," (sole author), *International Journal of Man-Machine Studies*. Volume 37, Number 9, pp. 309-334, September 1992.
39. "Design for Change: Knowledge-Based System Support for Information Centers," (with Mari M. Heltne, Minder Chen, J.F. Nunamaker, Jr. and Benn R. Konsynski), *IEEE-Transaction on Systems, Man, and Cybernetics*. Volume 22, Number 3, pp. 498-512, May/June 1992.
40. "A Generalizable Knowledge-Based Framework for Audit Planning Expert Systems," (with Vijay Karan and Uday Murthy), *Journal of Information Systems*, Volume 5, Number 2, pp. 78-91, Fall 1991.
41. "Performance Evaluation of a Knowledge-Based System," (with Jay F. Nunamaker, Jr., and Douglas Vogel), *Information and Management*. Volume 21, pp. 225-235, 1991.
42. "Expert Assistance for the Decision Support Process Using Hierarchical Planning," (with Arun Sen), *IEEE Transactions on System, Man and Cybernetics*. Volume 21, Number 2, pp. 390-401, March/April 1991.
43. "Knowledge-Based Systems Support for Information Centers," (with Jay F. Nunamaker, Jr., Benn R. Konsynski, Minder Chen, Y. Irene L. Chen, and Mari M. Heltne). *Journal of Management Information Systems*, Volume 5, Number 1, pp. 6-24, Summer 1988.
44. "ICE: Information Center Expert - A Consultation System for Information Center Resource Allocation," (with Mari M. Heltne, Benn R. Konsynski and Jay F. Nunamaker, Jr.), *DATABASE*, Volume 19, Number 2, pp. 1-15, Summer 1988.

### **Refereed Case Studies**

1. “Transforming Arizona’s Healthcare System: Developing and Implementing the Health-Connection Roadmap” (with Lynda M. Applegate, T. S. Raghu and Minu Ipe) Harvard Business School Publishing Case Study #N9808-072. December 2007
2. “EFJ, Inc.” (with Lynda M. Applegate and Mara E. Vatz) Harvard Business School Publishing Case Study #N9-807-062, November 15, 2006.
3. “Arizona Department of Public Health: The Challenges of Preparing for Public Health Emergency,” (with Lynda M. Applegate, T. S. Raghu and Minu Ipe) Harvard Business School Publishing Case Study #N9-807-016, July 19, 2006.
4. “County Department of Public Health: Organizing Emergency Preparedness and Response,” (with Lynda Applegate and Minu Ipe), Harvard Business School Publishing Case Study #N9-806-089, November 15, 2005.

### **Book**

“National Security,” Handbooks in Information Systems – Vol. 2, Edited by H. Chen, T.S. Raghu, R. Ramesh, A. Vinze and D. Zeng. Elsevier, 2007

### **Book Chapters**

1. “Information Supply Chains: Restructuring Relationships, Chains and Networks,” (with Arora, H and Raghu, T.S.) in Always-On Enterprise Information Systems for Business Continuity: Technologies for Reliable and Scalable Operations edited by Dr. Nijaz Bajgoric, University of Sarajevo to be published by IGI Global (Formerly "Idea Group Inc."), 2009.
2. “Collaborative Systems for Decision Making for Disaster Preparedness and Response,” (with Deirdre Hahn, Jessica Block, and Mark Keith) in Always-On Enterprise Information Systems for Business Continuity: Technologies for Reliable and Scalable Operations edited by Dr. Nijaz Bajgoric, University of Sarajevo to be published by IGI Global (Formerly "Idea Group Inc."), 2009.
3. “Autonomic Computing and Information Security,” (with Arora, H and Raghu, T.S.) Elsevier Publishing, 2008

### **Refereed Conference Proceedings**

1. “Cue Utilization and Consumer Choice in Software Product Context: A Controlled Choice Experiment,” (with Irfan Kanat and Raghu, T.S.). *Workshop on Information Technology (WITS)*, December 2014, New Zealand.

2. "Socioeconomic and Sociopolitical Transformations Through Information and Communication Technologies: Evidence from Transition Economies," (with Lee, G.W., Shao, B.B.M.) in Proceedings of the International Conference on ICT Management (ICTM), September 17-18, 2012, Wroclaw, Poland.
3. "The Role of Information and Communication Technologies in Transition Economies," (with Lee, G.W., Shao, B.B.M.) in Proceedings of the 18<sup>th</sup> AIS Americas Conference on Information Systems (AMCIS), August 9-11, 2012, Seattle, WA.
4. "IT Adoption: HealthCare Metrics Tracking," (with Freeze, R. and Raghu, T.S.) *Proceedings of the Hawaii International Conference on System Sciences (HICSS-45)*, January 2012. Nominated for best paper award.
5. "Chronic Diseases with Latent Growth Models: An Analysis of Multiple Sclerosis," (with Freeze, R., Raghu, T.S., Tyry, T., Campagnolo, D. and Partovi, S.) *Proceedings of the Hawaii International Conference on System Sciences (HICSS-42)*, January 2009. Nominated for best paper award.
6. "Adoption Patterns of Complementary Systems in Business Processes," (with Spaulding, T., Furakawa M. and Raghu, T. S.) *Proceedings of the International Conference on Information Systems (ICIS)*, Montreal, Canada, December 2007.
7. "Integrating Process and Agency Theoretic Frameworks in Designing Optimal Compensation Schemes in IT Infrastructure Contracts," (with S. Sen, Raghu, T S.) *Workshop on e-business (WeB)*, Montreal, December 2007.
8. "Demand Heterogeneity in IT Infrastructure Services: A Dynamic Service Level Approach," (with S. Sen, Raghu, T S.) *Proceedings of the Informs Annual Conference*, Seattle, November 2007.
9. "Optimizing Regional Aid during Public Health Emergencies: An Autonomic Resource Allocation Approach," (with Arora, H. and Raghu T. S.) *Proceedings of the Hawaii International Conference on System Sciences (HICSS-40)*, January 2007.
10. "Sharing Demand Information in IT Services: Development and Evaluation of a Pricing Mechanism" (S. Sen, Raghu, T S.) *Proceedings of the Workshop on E-Business (WEB)* December 2006, Milwaukee.
11. "Collaborative self-configuration and learning in autonomic computing systems: Applications to Supply Chain," (with Arora H., Raghu T.S. and Brittenham, P.) Poster, *3rd IEEE International Conference on Autonomic Computing (ICAC)*, Dublin, Ireland June 2006.
12. "An empirical study of standards development for e-businesses: A social network perspective," (with Raghu, T.S. and Choi, B.J.) (Best paper nomination), Proceedings of the *Thirty Ninth Hawaii International Conference on System Sciences (HICSS-39)*, CD-ROM, IEEE Computer Society, Kauai, HI, January 2006.

13. "Examining standards development for e-businesses: A longitudinal perspective," (with Raghu, T.S. and Choi, B.J.), Proceedings of the Fourth Workshop on e-Business (WeB 2005), Las Vegas, NV, December 10, 2005, pp. 385-391.
14. "Evaluating Alternative Pricing Models for Service-Oriented E-Businesses," (with S. Sen, Raghu T. S.) Proceedings of the Workshop on E-Business (WEB) 2005, Las Vegas.
15. "Enhancing Syndromic Surveillance through Autonomic Health Grids," (with Arora, H., Raghu, T. S., and Brittenham, P.) Proceedings AMCIS, 2005.
16. "Knowledge Ontology: A Method for Empirical Identification of 'As-Is' Contextual Knowledge," (with Theresa Edgington and Raghu Santanam), Proceedings of the *Thirty Eight Hawaii International Conference on System Sciences*, January 2005
17. "A Dynamic Approach to Managing Enterprise IT Infrastructure Services," (with Sagnika Sen and Raghu Santanam) – *Third Annual Workshop on EBusiness (WeB)*, Washington, D.C., December 2004.
18. "Novelty and Validity of Arguments in Virtual Settings: A Cross Cultural Study," (with Maha El-Shinnawy) – *Third Annual Workshop on EBusiness (WeB)*, Washington, D.C., December 2004.
19. "Software Piracy: An Empirical Examination Of The Impact Of Network Externalities And Open-Source Alternatives On Willingness To Pay," (with Orneita Burton, Raghu Santanam, and Rajiv Sinha), Americas Conference on Information Systems – *Americas Conference on Information Systems*, Tampa, August 2003.
20. "Leveraging Knowledge Creation Through Failure Analysis: An Ontological Orientation," (with Theresa Edgington and Raghu Santanam), *Americas Conference on Information Systems* – AMCIS, Tampa, August 2003.
21. Beom-jin Choi, Raghu T. S., Vinze, A., "Understanding the Standardization Process: A Focus on ebXML," Proceedings Americas Conference on Information Systems, 2001.
22. "Understanding Standards Setting in the E-business Context: A focus on ebXML," (with Beom-jin Choi and Raghu Santanam), *Americas Conference on Information Systems*, Boston, August 2001.
23. "Software Reuse: What Really Works," (with Karma Sherif) *Sixth Americas Conference on Information Systems* – AMCIS, August, 2000
24. "A Qualitative Model for Barriers to Software Reuse Adoption," (with Karma Sherif), *International Conference on Information Systems - ICIS*, December 1999.
25. "Collaborative Systems for the Management of Resource Conflicts," (with Maha El-Shinnawy, Charles Samuelson, M. Scott Poole), *Americas Conference on Information*

*Systems – AMCIS*, Indianapolis, August, 1997.

26. “A Cross-Cultural Study of the Group Polarization Phenomenon,” (with Maha El-Shinnawy), *Pacific Area Conference on Information Systems - PACIS*, Brisbane, Australia, April, 1997.
27. “An Empirical Evaluation of the Role of Persuasive Arguments in Accentuating Group Polarization,” (with Maha El-Shinnawy), *Association for Information Systems - AIS*, Pittsburgh, August, 1995.
28. “A Blackboard Architecture for Reactive Scheduling,” (with Anandhi Bharadwaj and Arun Sen). *Proceedings of the 26th Annual Hawaii International Conference on System Sciences - HICSS*, January 1993.
29. “AEROBA: A Blackboard Approach to Model Formulation,” (with Arun Sen and Shue Feng T. Liou). *Proceedings of the 25th Annual Hawaii International Conference on System Sciences - HICSS*, January 1992.
30. “Automating Model Formulation for Decision Support,” (with Arun Sen). *Proceeding of the 22nd Annual International Conference of International Simulation and Gaming Association - ISAGA*. Kyoto, Japan, July 1991.
31. “Understanding the Case-Based Approach to Model Formulation,” (with Ravi C. Vellore and Arun Sen). *Proceedings of the 21st Annual Meeting of the Decision Sciences Institute*. November 1990.
32. “A Blackboard Architecture for the Decision Support Process,” (with Arun Sen). *Proceedings of the ACM-SIGBDP International Conference*. 1990.
33. “A Case-Based Planning Approach to Model Formulation,” (with Ravi C. Vellore and Arun Sen). *Proceedings of the 1st Conference of the International Society for Decision Support Systems*. September 1990.
34. “Validation of a Knowledge-Based System: The ICE Case,” (with Doug Vogel and J.F. Nunamaker, Jr.) *Proceedings of the 23rd Annual Hawaii International Conference on System Sciences*, January 1990.
35. “Knowledge-Based Systems Support for Information Centers,” (with Jay F. Nunamaker, Jr., Benn R. Konsynski, Minder Chen, Y. Irene Liou Chen and Mari M. Heltne.) *Proceedings of the 21st Hawaii International Conference on Systems Sciences - HICSS*, January 1988.
36. “A Knowledge-Based Approach for Resource Management,” (with Mari M. Heltne, Minder Chen, Jay F. Nunamaker, Jr. and Benn R. Konsynski.), *International Conference on Information Systems - ICIS*, December 1987.
37. “A Consultation System for Information Center Resource Allocation,” (with Mari M. Heltne, Benn R. Konsynski and Jay F. Nunamaker, Jr.) *Proceedings of the 23rd Annual Conference SIGBDP and SIGCPR of the ACM*, March 1987.

### **Conference Presentations**

1. "Gamification of Emergency Response Training: A Public Health Example," with Irfan Kanat, Sathananda Siloju, Raghu T. S.) *IEEE ISI Conference*, Seattle. 2013
2. "Fostering perspective-taking in collaborative decision making through computer mediated simulation," with (Krishnamurthy, R., E. W. Johnston) *Annual Conference of the American Society for Public Administration, Governance & Sustainability: Local Concerns, Global Challenges*, March 15-19, 2013, New Orleans, LA.
3. "Fostering empathy in collaborative decision making to reduce conflict and improve collective outcomes with interactive computer simulation," with (Krishnamurthy, R., E. W. Johnston) *Public Management Research Conference*, June 20-22, 2013, Madison, Wisconsin.
4. "Sustainability, collaboration and uncertainty: A scenario—based evaluation of water issues for desert cities using computer simulation," (with Vijaykumar, M., E.W. Johnston and R. Krishnamurthy). *AAAS Annual Meeting*, February 2013, Boston, MA.
5. "A decision making game to guide water sustainability related to policy outcomes," (with G. Dudhbhate, E. Johnston, R. Krishnamurthy, D. Desai and Q. Hu) at the American Association for the Advancement of Science (AAAS) Annual Meeting, Vancouver, Canada, February 2012.
6. "Strategic Alternatives for the IT Sector in India," SIBM, Pune, India, January 2009.
7. "Models for Offsite Learning: How International Experiences Create Student Value," (with William Kooser – Chicago GSB and Daniel Szpiro – Cornell), *EMBA Council Conference*, Chicago, IL, October 2008.
8. "Cultural Implications of Group Decision Technology," *Systems Integration Conference*, VSE, Prague, Czech Republic, October 2006.
9. "Grid Computing Implications for Informational Supply Chains," (with Hina Arora and T. S. Raghu) *CompTIA Conference*, Las Vegas, NV, August 2005
10. "Knowledge Management," *Arizona Digital Government Conference*, (with Harvey Shrednick and Benjamin Shao), Phoenix, AZ
11. "Developing a Information Systems Research Center – Issues, Constraints and Challenges," *Third Annual Workshop on EBusiness (WeB)*, Washington, D.C., December 2004.
12. "Assessing Facilitators and Barriers to ERP Outsourcing Decisions: A Qualitative Approach," (with Karen Dowling), *Informatics Meeting*, Philadelphia, November, 1999.

13. "Day Dreams of Reuse Experts: What may and may not come true," (with Karma Sherif), *Inform Meeting*, Philadelphia, November, 1999.
14. "Scheduling Cardiac Procedures: A Knowledge-Based Approach," (with Anandhi Bharadwaj and Arun Sen), *Inform Meeting*, Dallas, October, 1997.
15. "Understanding the Group Polarization Phenomenon for Executive Decision Making," (with Maha El-Shinnawy), *Inform Meeting*, New Orleans, October-November 1995.
16. "APX: An Integrated Knowledge-Based System to Support Audit Planning," (with Anandhi Bharadwaj, Vijay Karan, Radhakanta Mahapatra, and Uday Murthy). *American Accounting Association Annual Meeting*, August 1994.
17. "Assessing the Suitability of Judgmental Auditing Tasks for Expert Systems Development: An Empirical Approach," (with Vijay Karan and Uday Murthy). *American Accounting Association Annual Meeting*, August 1993.
18. "The Effect of Group Decision Support Systems on the Choice Shift Phenomenon in Audit Team Decision Making," (with Vijay Karan, David Kerr and Uday Murthy). *Western American Accounting Association Meeting*, April 29-May 1, 1993.
19. "A Generalizable Knowledge-Based Framework for Audit Planning Expert Systems," (lead author - with Vijay Karan and Uday Murthy). *American Accounting Association Annual Meeting*, August 1991.
20. "Implementation of Blackboard Systems in Model Formulation," (with Arun Sen). *TIMS/ORSA Meeting*, May 1991.
21. "A Cognitive Model to Support Case-Based Planning," (with Arun Sen and Ravi C. Vellore). *TIMS/ORSA Meeting*, October 1990.
22. "eXpert assistance to the Decision Support Process (XDSP): A Blackboard Architecture," with Arun Sen. *TIMS/ORSA Meeting*, May 1989.

### **Manuscripts under review**

1. "Participation type, roles and e-business standards characteristics: A social network analysis," (with Beomjin Choi, Raghu, T.S. and Dooley, K.J) – *IEEE Transactions on Engineering Management* – 2<sup>nd</sup> revision
2. "Societal Transformation through ICT Investment," with Gun-woong Lee and Benjamin Shao – submitted to *MIS Quarterly*
3. "The Role of Online Social Networks in Political Polarization of Elite Politicians," with Reza Mousavi and Bin Gu) – submitted to *MIS Quarterly*

4. "Computer-Mediated Group Discussion and Cooperation in the Commons" with Charles Samuelson, M. Scott Poole, Maha El-Shinnawy and Gary Baker – submitted to *Group Processes and Intergroup Relations*

### **Work in Process**

1. "Optimizing Surge Capacity during Disease Outbreaks: An Autonomic Resource Allocation Approach." (with Arora, H., Raghu, T.S., and Brittenham, P.) Manuscript being targeted to *IEEE Transactions*.
2. "American Red Cross – Hyper-collaboration for Disaster Relief Efforts" (with Raghu, T. S. and Minu Ipe) – Case Study
3. "Superbowl XLII – Developing A Playbook For Event Driven Emergency Preparedness And Response" (with Raghu, T. S. and Minu Ipe) – Case Study
4. "Intentional Discretion and Data Coordination in Failure Analysis." (with Edgington, T. and Raghu, T. S.)
5. "Understanding Stakeholder Coordination through Intentional Discretion: An Epidemiology Footprint," (with Edgington, T. and Raghu, T. S.)

### **Technical Reports**

"Gamifying Preparedness and Response," Grant funded by the Maricopa County Department of Public Health, 2013.

"Disease Burden of Communicable Diseases – Impact for Maricopa County and Arizona," Grant funded by the Maricopa County Department of Public Health, 2011, 2013.

"Final Report of the Arizona Health Information Privacy Project" Grant funded by Health and Human Services, 2007.

"Collaborative self-configuration and learning in autonomic computing systems: Applications to Supply Chain," (Collaborators: Raghu, T.S., Arora, H., and Bithar, V.) Research Report submitted to IBM, December 2005.

"Grid Lab Environment - Quick Start Guide for Globus Toolkit 3.2", (Collaborators: Raghu, T.S. and Arora, H.) V2.0, April 2005.

Final Report for the Arizona Department of Health Services, MEDSIS – CDR Gap Analysis. Report submitted to the Phoenix, Arizona. (Collaborators: T. S. Raghu, Benjamin Shao and H. Shrednick) November 2005.

"Bio-Terrorism Needs Analysis for Maricopa County," August, 2004. Report submitted to the Arizona Department of Health Services, Phoenix, Arizona.

“Knowledge Management Technical Guide for US Army – ISEC,” August 2004. Submitted to the Army Information Systems Engineering Command, Ft. Huachuca, Sierra Vista, Arizona.

“Information Center Expert (ICE) - Users Guide,” February, 1987. Submitted to IBM Corporation, Endicott, New York.

“Information Center Expert (ICE) - Installation and Maintenance Procedures,” February 1987. Submitted to IBM Corporation, Endicott, New York.

## RESEARCH GRANTS

1. “Gamifying Preparedness and Response,” Task #2 – developing a beta version of the mobile game(\$72,500), PI – Maricopa County Department of Public Health, February 2014 to December 2014.
2. “Gamifying Preparedness and Response,” Task #1 – a focus on critical module design (\$50,000), PI – Maricopa County Department of Public Health, August 2012 to June 2013.
3. “Disease Burden in Public Health” (\$100,000). PI Maricopa County Department of Public Health, August 2010 to June 2012.
4. “Water Sustainability – Modeling and Gaming approach” (\$40,000), PI - ASU - DCDC Grant (sub-grant from the DCDC NSF Grant), October 2012.
5. “Decision Support for Logistics and Distribution of H1N1 Vaccines” (\$100,000), Co-PI with (Raghu, T.S.). Maricopa County Department of Public Health, August 2009 to June 2010  
  
(\* ) Have been designated as the Principal Investigator for future projects with MCDPH as part of a five (5) year Inter-Governmental Agreement between MCDPH and ASU – Agreement signed in February 2010.
6. “Water Sustainability – Modeling and Gaming approach” (\$40,000), PI - ASU - DCDC Grant, (sub-grant from the DCDC NSF Grant), October 2011.
7. “Sustainability Game for Business Education” (\$40,000), PI - ASU - DCDC Grant, October 2009
8. “Roadmap for Healthcare Resource Utilization,” (\$100,000), Co-Principal Investigator with Raghu, T.S. and Minu Ipe. Maricopa County Department of Public Health, March to October, 2008
9. Faculty Research Award, IBM T. J. Watson Research Center (\$90,000) 2005-06; 2006-07; and, 2007-08.
10. ASU Grant for Scientific and Engineering Research on Visualization (SERV) on “Decision enhancement through data visualization for disease outbreak” (\$10,000), Co-Principal

Investigator with Raghu, T. S. – July 2007.

11. “Uncovering Hidden Patterns in Multiple Sclerosis Data: Ontological Analysis of the NARCOMS Patient Registry,” (\$20,860), Co-PI with Raghu, T. S. and Tuula Tyry) – November 2006.
12. Research Grant for CABIT membership and to conduct research on “Autonomic Computing focused ISC”. Funded by IBM (\$15,000), Co- Principal Investigator with Raghu T.S. - October 2006.
13. Research Grant for CABIT membership and to conduct research on “Information Supply Chain”. Funded by Avnet (\$15,000), Principal Investigator - Summer 2006.
14. “Health Information Security and Privacy Collaboration (HISPC)” Grant funded by Health and Human Services via RTI and the National Governor’s Association (\$119,869), Co-PI with Raghu T. S., Harvey Shrednick, Benjamin Shao and Minu Ipe - July 2006.
15. “Assessing AHCCCS Provider Community’s Capability of Health Information Technology and Health Information Exchange” funded by AHCCCS (\$67,000), Co-PI with Harvey Shrednick – April 2006.
16. “MEDSIS Gap Analysis with Communicable Diseases Repository,” funded by Arizona Department of Health Services (\$95,000), Co-Principal Investigator with Raghu Santanam and Harvey Shrednick - January 2005.
17. “Knowledge Ontology for Neuro Radiology Images” funded by Catholic Healthcare West (\$50,000), Co- Principal Investigator with Raghu Santanam - August, 2004.
18. “Needs Assessment for Bio-Terrorism Surveillance Systems,” funded by the Centers for Disease Controls through Arizona Department of Health Services and the Maricopa County Department of Public Health (\$220,000), Principal Investigator - September 2003 to July 2004.
19. “Development of Knowledge Management Capabilities Assessment Index (KMCA)” funded by the R&D Council of Intel Corporation (\$71,500), Co-Principal Investigator - June 2003
20. “Driving Information Technology issues through Business Curriculum,” State Farm Insurance Company (\$42,000), Principal Investigator - April 2003.
21. “Failure Analysis/Failure Identification Ontologies,” Intel Corporation (\$50,000), grant renewed with additional funding and an extension till April 2005 (\$50,000). Principal Investigator - April 2003 to January 2005.
22. “Independent Validation and Verification to support NMCI,” Veridian Corporation (\$67,500), Co-Principal Investigator with Raghu T.S. - Spring 2003.

23. "Industry Ontology and Organizational Assessment for Knowledge Management," Intel Corporation (\$42,000), Co-Principal Investigator with Raghu Santanam, Uday Kulkarni and Robert St. Louis - June 2002.
24. "Feasibility Study and Establishment of the Center for Advancing Business through Information Technology (CABIT)," Proposition 301, State of Arizona (\$120,000), Founder with Philip M. J. Reckers. February 2002.
25. "Center for Russian Business Cases," Arizona State University & Texas A&M University (\$575,000) Co-Investigator. Eurasia Foundation support is \$314,000 the Center for International Business Studies, Texas A&M University is providing support for the remaining overhead and administrative costs in the amount of \$ 261,000 - December 1999.
26. "Computer Support for the Management of Resource Conflicts," Texas A&M University (\$24,180), Co-Investigator with Maha El-Shinnawy, M. Scott Poole and Charles Samuelson - April 1997.
27. International Travel Grant. Center for International Business Studies (\$3,000), Co-Investigator with Maha El-Shinnawy - April 1995.
28. Equipment/Software Grant to Support research on Reason Maintenance in Blackboard Systems. St. Luke's Episcopal Hospital, Houston (\$9,000), Co-Investigator with Arun Sen - November 1991.
29. Equipment Grant to Support the XDSP Effort. TEES (\$3,200), Co-Investigator with Arun Sen - June, 1990.
30. Equipment Grant to Support the XDSP Effort. Texas Instruments EXPLORER-LX Machine and supporting software (\$90,000), Co-Investigator with Arun Sen and Joobin Choobineh - December, 1988.
31. "A Knowledge Based Support for Information Centers - Help Desk" IBM Corporation – Gaithersburg (\$98,000), Co- Investigator (non-PI) with Jay F. Nunamaker, Jr. and Sudha Ram - March, 1988.

## **INTERNATIONAL WORKSHOPS and SEMINARS**

- "Business analytics and Big Data" – Santiago, Chile and Bogota, Colombia, Two-day workshop directed at top management from both Public and Private sectors – Organized by Seminarium, October, 2014
- Innovation Management Seminar – Sarajevo, Bosnia y Herzogovina, April 2014

- “Innovation and Technology Management – Drivers and Enablers” - Podgorica, Montenegro, April 2014.
- “Business Intelligence and Analytics – Implications in Latin America” – Two-day workshops directed at top management from both Public and Private sectors – Organized by Seminario – Santiago, Chile and Bogota, Colombia – Scheduled for October 2014.
- “Doing Business in Peru,” International Business Course, June 2014
- “Developing effective models to raising funds for universities in Latin America” - Featured speaker – BALAS – Lima, Peru - March, 2012
- “MOOCs and other Innovation – Changing the University Landscape” – Seminar at ESAN, Lima, Peru – March, 2012
- “Information Systems: Strategies and Technologies,” *International Week seminar at ESAN*, Lima, Peru: July 2013, July 2012, January 2012, July 2011, January 2011, July 2009, January 2007, January 2006, January 2005, January, 2004, January 2003, January 2002, January 2001, July 2000 and January 2000.
- “Strategic Role and Impact of IT – Implications in Latin America” – Two day workshop directed at top management from both Public and Private sectors – Organized by Seminario - Bogota, Colombia – October 2012.
- “Strategic Role and Impact of IT – Implications in Latin America” – Two day workshop directed at top management from both Public and Private sectors – Organized by Seminario – Santiago de Chile – March 2012 and March 2011.
- Keynote speaker (December, 2011) – “Innovating in the Information Age” Investment and Development Agency of Latvia, Riga, Latvia.
- Plenary speaker (2010) – Doctoral Consortium, XLVI CLADEA 2011 (Consejo Latinoamericano de Escuelas de Administración), San Juan, Puerto Rico.
- Keynote speaker (June, 2011) – 33<sup>rd</sup> International Conference on Information Technology Interfaces (ITI), Cavtat/Dubrovnik, Croatia.
- “Innovation, Technology and Collaboration” (May, 2011) – An Executive Workshop for Presidents, Owners and CEOs – Seminario-Chile, Santiago, Chile
- Keynote speaker (2010) – Doctoral Consortium, XLV CLADEA 2010 (Consejo Latinoamericano de Escuelas de Administración), Cartagena, Columbia.
- Research Methods Seminar – Ph.D. Program, University of Sarajevo, Faculty of Economics and Business. March 2011 and March 2010.

- Executive MBA International Practicum in Santiago, Chile and Lima, Peru. February 2010.
- “Doing Business in India,” International Business Course, January 2010
- Executive MBA International Practicum in Linz, Austria and Prague, Czech Republic. February 2009.
- Executive MBA International Practicum in Buenos Aires, Argentina. February 2008.
- Executive MBA International Practicum in Sydney, Australia and Auckland, New Zealand. May-June, 2007
- Keynote Speaker (2006) - 1<sup>st</sup> Slovakian Business Intelligence Day, Bratislava, Slovakia
- Executive Business Practicum, Executive MBA in San Jose, Costa Rica. 2006
- Seminar on “Business Intelligence and Collaborative Computing,” Matej Bell University, Banska Bystrica, Slovakia, October 2006.
- Seminar Series on “Intelligent Decision Systems,” University of Economics (VSE), Prague, Czech Republic, October 2006, October 2005 and October 2004
- “Teaching IT with a Case Orientation – Focus on the Peterstar Case,” *Russian Business Case Study Conference* in coordination with the Academy of National Economy and the Russian Academy of Business Education (RABE), Moscow, Russia, June 2003.
- “Strategic Information Systems,” *Institute of Business, University of the West Indies – Trinidad and Tobago*, November 2003.
- “Business Intelligence,” *Session conducted at Universidad Torcuato di Tella*, Buenos Aires, Argentina, December 2001 and July-August 2000.
- “Collaborative Computing,” *Featured presentation at the Computer Society of India*, Pune, India, June 2001.
- “Knowledge Management,” *Intensive Executive Training Session at Groupe ESC*, Toulouse, France, March 2000 and March 1999.
- “Group Technologies,” *Seminar at Texas A&M University, Mexico City Center in conjunction with the Faculty Abroad Seminar*, Mexico City, Mexico, August 1997.
- “Information Technology - Fundamentals and Emerging Issues,” *Seminar series at the Russian-American Graduate School of Management, State Technical University at St.Petersburg*, St. Petersburg, Russia, June-July 1997.

- “Group Polarization,” *Seminar at Victoria University of Wellington*, Wellington, New Zealand. April, 1997.
- “Technology Supported Group Decision Making” *Executive Development Seminar, Center for Executive Development, Texas A&M University*, College Station, Texas, March, 1996 and October, 1995.
- “GSS and Managerial Interpersonal Communications,” *Seminar at the Nanyang Technological University*. Singapore. June 1995
- “Managerial Interpersonal Communications,” *Seminar conducted for Sprint Corporation*. March 1995.
- “Blackboard Paradigm and its Applicability in Developing Countries,” *Plenary speaker and Invited seminar on the utility of the blackboard approach for practitioners* . Sponsored by the National Center for Expert Systems, Hyderabad, India, December 1993.
- “Blackboard Architectures and Extensions - Applications for Industry,” *Featured speaker of the month*. Sponsored by The Computer Society of India, Pune, India, December, 1993.
- “Software Export Potential,” *Invited seminar on approaches and possibilities for software export from India*. Sponsored by Alpha Laval Corporation, Dapodi, India, December 1993.
- “Expert System Application to Support End-User Computing,” *Invited Seminar on the Role of Expert Systems to Support Engineering End-Users*. Sponsored by the Indian Institution of Engineers (IIE), Pune, India, July 1991.
- “Mapping the Entity Relationship Model to a Blackboard Architecture,” *4th Annual Workshop on Blackboard Systems - Supported by the American Association for Artificial Intelligence (AAAI)*, July 1990.
- “Expert System Applications for Engineers,” *Invited Workshop on Expert Systems*, Sponsored by the Indian Institute of Electrical Engineers, Manila, Philippines, June 1987.

### **DOCTORAL STUDENT COMMITTEE CHAIR**

Irfan Kanat – Chair, Expected Completion 2015

Hina Arora – Chair, 2009. Microsoft Corporation.

Sagnika Sen – Co-Chair, 2006. Associate Professor, Cal State University, Fullerton

Orneita Burton – Chair, 2006. Assistant Professor Abilene Christian University, Texas

Theresa Edgington – Chair, 2006. Assistant Professor, Baylor University, Texas

Beom-Jin Choi – Co-Chair, 2004. Associate Professor, Cal State University, Sacramento.

Karma Sherif - Co-chair, 1998. Associate Professor, University of Houston.

Anandhi Bharadwaj - Co-chair, Graduated 1993. Professor, Emory University.

Shue-Feng T. Liou - Co-chair, Graduated 1992. Professor at National Chenchi Univeristy.

Ravi Vellore - Co-chair, Graduated 1992. Self employed Computer Consultant.

## **TEACHING EXPERIENCE**

### **Arizona State University**

CIS 494 – Technology and Innovation Management (Undergraduate-Honors)  
IBS 594 – Doing Business in India  
MGT 591 – Doing Business in Peru  
CIS 502 – Management Information and Decision Support Systems (Evening MBA)  
CIS 591 – Strategic Impact of Information Technology (Executive MBA)  
CIS 512 - Intelligent Decision Systems  
CIS 591 - Emerging Technologies – Applications and Implications  
CIS 593 - Applied Information Management Projects  
CIS 791 - Ph.D. Seminar on Research Methods in IS  
CIS 791 - Ph.D. Seminar on Foundational Research in Information Systems

### **Texas A&M University**

BANA 207 - Business Information Systems Concepts (Honors Section)  
BANA 316 - Business Programming  
BANA 439 - Management Information Systems  
BANA 421 - Advanced Information Systems Development  
BANA 489 - Global Information Systems  
BANA 612 - Introduction to Business Computing (BANA 607 revised - new MBA program)  
BANA 639 - Corporate Information Planning  
BANA 641 - Ph.D. Seminar on Research Methods in MIS

## **SERVICE ACTIVITIES**

Member, University Tenure and Promotion Committee, Arizona State University, 2010-13.

Doctoral Consortium Co-Chair, XLIX CLADEA 2014 (Consejo Latinoamericano de Escuelas de Administración), Barcelona, Spain.

Doctoral Consortium Co-Chair, XLVII CLADEA 2012 (Consejo Latinoamericano de Escuelas de Administración), Lima, Peru.

Doctoral Consortium Co-Chair, XLVI CLADEA 2011 (Consejo Latinoamericano de Escuelas de Administración), San Juan, Puerto Rico.

Doctoral Consortium Co-Chair, XLV CLADEA 2010 (Consejo Latinoamericano de Escuelas de Administración), Cartagena, Columbia.

Conference Co-Chair, Americas Conference on Information Systems, Lima, Peru - August 2010.

Track Co-Chair, International Conference on Information Systems, Phoenix, Arizona – December 2009

Associate Editor, *Information Systems Research* – Special Issue on Healthcare – 2009.

Chair, Executive MBA Alumni Board – August 2007 to Present

Founder and Director, Center for Advancing Business through Information Technology (CABIT) – ASU, July 2002 to July 2007: Responsibilities include the setting up of the physical and virtual infrastructure of a research center in the W. P. Carey School of Business. Also responsible for developing long term partnerships with public and private sector enterprises, hosting symposia for Center members and the local community and facilitating development of research funding requests to federal and state sources.

Associate Editor – International Conference on Information Systems (ICIS) – Web-based Applications Track – December 2005

Program Co-Chair – Annual Workshop on E-Business (WEB-2004) — December 11<sup>th</sup> and 12<sup>th</sup> 2004, Washington, D.C.

Security Symposium – Chair – September 2006, September 2005, September 2004, and 2003 Phoenix, Arizona. A high profile symposium bringing together practitioners from the public and private sectors and academics

CIS - Ph.D. Program Director, School of Accountancy and Information Management - ASU August 1998 to July 2002: Responsibilities include admission decisions for CIS Ph.D. students, advising students on course selection, general committee advisor prior to the conducting of the comprehensive exam and degree plan checking and other program related administrative work.

INFORMS College on Information Systems - August 1998 to July 2000 - Vice Chair for Meetings.

Ph.D. Program Director, Department of Business Analysis, Texas A&M University, September 1995 to July 1998: Chair the Ph.D. committee for the department. Responsibilities include admission decision, advising students on course selection during the first year, conducting the qualifying exam and degree plan checking.

Member Ph.D. Graduate Instruction Committee - September 1995 to July 1998: This is a College wide committee that regulates the various Doctoral programs in the Graduate School of Business.

Masters student advisor (MS/MIS Program) - September 1992 to August 1995: Responsible for all the administrative details for 50 (approximately) MS/MIS students. Responsibilities include admission decision, advising students on course selection, degree plan checking, selecting teaching assistants for the department, and assigning jobs to teaching assistants.

Member of the Masters Graduate Instruction Committee - September 1992 to August 1995: This is a College wide committee that regulates the various Masters programs (MBA and MS) in the Graduate School of Business.

### **University/College/Department Committees**

- Member, University Graduate Council, May 2013 to Present

- Member, University Promotion and Tenure committee, 2010-2013
- Chair, Personnel Committee – Department of Information Systems, 2010, 2007-08; Member 2009
- Member, W. P. Carey School of Business Research Committee, 2003 to 2007
- Member, W. P. Carey School of Business Masters Program Committee, 2009-2010
- Member, ASU - InCISE Strategic Planning Committee – 2003 to 2007
- Member, Personnel Committee - W. P. Carey School of Business – 2003 to 2006
- Chair – Evening MSIM Program Committee – 2004
- Chair – W. P. Carey “Chair Professor - IS” search committee – 2004 – 2005
- Member – W. P. Carey “Chair Professor – SCM” search committee – 2003 – 2004
- CABIT Board of Advisors

## **OTHER PROFESSIONAL ACTIVITIES**

International Partnership Development – Have led effort for Arizona State University and the W. P. Carey School of Business in: Almaty, Kazakhstan; Delhi, India; Manila Philippines, Beijing-Shanghai-Chengdu, China; Seoul, Korea; Sarajevo, BiH; Zagreb, Croatia; Lima, Peru; Bogota-Cali, Colombia – May 2012 to Present

Conference Chair – 4<sup>th</sup> CABIT Symposium “Cultivating and Securing the Information Supply Chain,” Phoenix, Arizona, September 7<sup>th</sup> and 8<sup>th</sup>, 2006.

Associate Chair – 14<sup>th</sup> Systems Integration Conference, Prague, Czech Republic – June 2006.

Program Chair – Security Symposium 2005 – “Information Security in the Knowledge Economy” – Phoenix, Arizona, September 8<sup>th</sup> and 9<sup>th</sup>, 2005.

Chair - Bio-Terrorism Roundtable discussion – Tempe, Arizona – 2004 (Roundtable sponsored by Cisco and included leading decision makers from public and private sectors)

Invited speaker on Service Management through Information Systems – Arizona Department of Transportation – Senior Management Retreat – August, 2004

Invited speaker on Knowledge Management – Arizona State CIO Council – April, 2004

Information Technology Research (ITR) Panel on Digital Libraries – NSF, Virginia, May 2003.

Information Technology Research (ITR) Panel – NSF: Arlington, Virginia, May 2002.

Member Program Committee:

- International Conference on Information Systems (ICIS) – 2010, 1999, 1998, 1997
- Association of Information Systems (AIS) annual conference, Indianapolis, August 1997

Mini-Track Coordinator/Chair: Hawaii International Conference on System Sciences (HICSS-26). Mini-Track on Blackboard Architectures and Applications (Co-chair with Arun Sen). Kauai, Hawaii, January 1993 and January 1992

Conference Tutorial Chair: IEEE/ACM International Conference on Developing and Managing Expert System Programs. Washington D.C., September 30-October 2, 1991.

Ad hoc reviewer for: Management Science; Communications of the ACM; IEEE Computer; IEEE Transactions on Systems, Man and Cybernetics; Journal of Management Information Systems; MIS Quarterly, International Journal of Expert Systems with Applications; ORSA Journal of Computing; International Journal of Human-Computer Studies; International Journal of Decision Support Systems; European Journal for Operational Research; DSI; ICIS; HICSS; and DSS Conferences.

### EXEMPLAR MEDIA MENTIONS

- A KPNX/NBC/Ch.12 interview on Bitcoin <http://www.azcentral.com/video/3121220961001> - 2014
- Interviewed by the GAO and the U.S. Senate Homeland Security and Governmental Affairs Committee about how the government/IRS should deal with Bitcoin, 2013
- A magazine interview on Bitcoin <http://bulletmedia.com/article/the-rise-fall-and-resurrection-of-bitcoin-the-worlds-most-enigmatic-currency/>
- Interview on Bitcoin “in the can” with FOX News, expected to air locally and/or nationally during the sweeps (ratings) period Feb/March ‘14.
- Have been in the Indian Press (International Educational Collaboration – Example coverage include: Hindustan Times, Economic Times of India, India Education Review and a dozen other) – 2013
- Vinze signs W. P. Carey School Agreement with Dubai University – Zawya, 2013
- Featured in the press in Bosnia y Herzogovina (for Fulbright and Educational efforts underway in the region)
- Fulbright efforts featured in the Press in Peru
- TV News and other local Media coverage for the finding from our “Disease Burden” project with the Maricopa County Department of Public Health – the study documented how early/timely vaccination can save the county over a \$100 million.
- Quoted in [\*USA Today\*](#) (March 2014) IRS: Bitcoin is not a currency
- Quoted in [\*New York Times\*](#) (April 2014) – My Bitcoin Befuddlement
- Interview featured in the leading South Korean Business Publication *Chosun Ilbo* (January 2015) – *a very rough translation*:
- [http://translate.google.com/translate?hl=en&sl=ko&u=http://biz.chosun.com/site/data/html\\_dir/2015/02/01/2015020101589.html%3FBRcsbiz&prev=search](http://translate.google.com/translate?hl=en&sl=ko&u=http://biz.chosun.com/site/data/html_dir/2015/02/01/2015020101589.html%3FBRcsbiz&prev=search)

### PROFESSIONAL AFFILIATIONS

Association for Information Systems (AIS); Association of Computing Machinery (ACM); IEEE - Computer Society; INFORMS

### REFERENCES

Available on request