

Jason H. Sharp, Ph.D., CDMP

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SPECIFIC TEACHING INTERESTS

- C, C++, Java, Visual Basic, COBOL
- Programming Logic and Design
- Database Design and Administration
- Systems Analysis and Design
- Computer Concepts and Applications

SPECIFIC RESEARCH INTERESTS

- Component-Based Software Development
- Agile Software Development Methods
- Flexible and Distributed Information Systems Development
- Globally Distributed Agile Teams

EDUCATION

Doctor of Philosophy, Information Science (2008)

University of North Texas, Denton, TX

Concentration: Business Computer Information Systems (18 hours)

Dissertation Title: Globally Distributed Agile Teams: An Exploratory Study of the Dimensions Contributing to Successful Team Configuration

http://digital.library.unt.edu/data/etd/2008_3/meta-dc-9737.tkl

Master of Science, Information Systems (2001)

Tarleton State University, a part of the Texas A&M System, Stephenville, TX

Master of Divinity (1997)

Southwestern Baptist Theological Seminary, Fort Worth, TX

Bachelor of Science, Computer Information Systems (1992)

Tarleton State University, Stephenville, TX

AWARDS & HONORS

Americas Conference on Information Systems Doctoral Consortium (2008), Toronto, Ontario

Winner (2006) Best Ph.D. Student Paper, "Development, Extension, and Application: A Review of the Technology Acceptance Model", *Information Systems Educators Conference*, Dallas, TX

Winner (2005) Best Ph.D. Student Paper, "The Use of Open Source Software in Education", *Information Systems Educators Conference*, Columbus, OH

Winner (2005) Ph.D. Student Paper Distinguished Writing Award, "Importance of Learner-Learner Interaction in Distance Education", *Information Systems Educators Conference*, Columbus, OH

Dean's Academic List (1994 & 1997), Southwestern Baptist Theological Seminary

PUBLICATIONS

Journal Articles

Sharp, J. H. & Ryan, S. D. (2010). A theoretical framework of component-based software development phases. *The DATA BASE for Advances in Information Systems*, 41(1), 56-75.

Schultz, L. A., & Sharp, J. H. (2008). The effect of class duration on academic performance and attendance in an introductory computer class. *Information Systems Education Journal*, 6(59), 1-7, <http://isedj.org/6/59/>

Sharp, J. H. (2007). Development, extension, and application: A review of the Technology Acceptance Model. *Information Systems Education Journal*, 5(9), 1-11, <http://isedj.org/5/9/>

Sharp, J. H., & Huett, J. B. (2006). The use of open source software in education. *Information Systems Education Journal*, 4(45), 1-10, <http://isedj.org/4/45/>

Sharp, J. H., & Huett, J. B. (2006). Importance of learner-learner interaction in distance education. *Information Systems Education Journal*, 4(46), 1-10, <http://isedj.org/4/46/>

Book Chapters

Huett, J. B., Sharp, J. H., & Huett, K. C. (*forthcoming*). What's all the FOSS? How freedom and openness is changing the face of our educational landscape. In B. C. Ozkan (Ed.), *Free and Open Source Software for E-Learning: Issues, Successes, and Challenges*. Hershey, PA: IGI Global.

Conference Proceedings with Presentation

Sharp, J. H. & Ryan, S. D. (2009). Component-based software development: Life cycles and design science-based recommendations. *Proceedings of the Conference on Information Systems Applied Research* (refereed), v.2, §1545, <http://proc.conisar.org/2009/1545/index.html>

Magro, M. J., Ryan, S. D, Sharp, J. H., & Ryan, K. A. (2009). Using social networking for educational and cultural adaptation: An exploratory study. *Proceedings of the Fifteenth Americas Conference on Information Systems* (refereed), <http://aisel.aisnet.org/amcis2009/528/>

Zhang, X., Prybutok, V., Ryan, S., & Sharp, J. (2008). A leadership knowledge management model for e-government: A preliminary empirical test. *Proceedings of the Fourteenth Americas Conference on Information Systems* (refereed), <http://aisel.aisnet.org/amcis2008/255/>

- Sharp, J. H., & Ryan, S. D. (2008). A preliminary conceptual model for exploring global agile teams. In P. Abrahamsson, R. Baskerville, K. Conboy, B. Fitzgerald, L. Morgan, & X. Wang (Eds.), *Lecture Notes in Business Processing: Vol. 9. Agile Processes in Software Engineering and Extreme Programming* (pp. 147-160). Berlin, Heidelberg: Springer-Verlag. Presented at the *Ninth International Conference on Agile Processes and eXtreme Programming in Software Engineering*, Limerick, Ireland (refereed).
<http://www.springerlink.com/content/r457350711478771/>
- Schultz, L. A., & Sharp, J. H. (2007). The effect of class duration on academic performance and attendance in an introductory computer class. *Proceedings of the Twenty-Fourth Information Systems Educators Conference* (refereed), v. 24, §3143,
<http://isedj.org/isecon/2007/3143/index.html>
- Sharp, J. H., & Ryan, S. D. (2007). A research framework for investigating the successful configuration of globally distributed agile teams. *Proceedings of the Thirteenth Americas Conference on Information Systems* (refereed),
<http://aisel.aisnet.org/amcis2007/145/>
- Sharp, J. H. (2006). Development, extension, and application: A review of the Technology Acceptance Model. *Proceedings of the Twenty-Third Information Systems Educators Conference* (refereed), v. 23, §2522, <http://isedj.org/isecon/2006/2522/index.html>
- Sharp, J. H., & Ryan, S. D. (2005). A review of component-based software development. *Proceedings of the Twenty-Sixth International Conference on Information Systems* (refereed), 151-161, <http://aisel.aisnet.org/icis2005/13/>
- Sharp, J. H., & Huett, J. B. (2005). Importance of learner-learner interaction in distance education. *Proceedings of the Twenty-Second Information Systems Educators Conference* (refereed), v. 22, §2323, <http://isedj.org/isecon/2005/2323/index.html>
- Sharp, J. H., & Huett, J. B. (2005). The use of open source software in education. *Proceedings of the Twenty-Second Information Systems Educators Conference* (refereed), v. 22, §2324, <http://isedj.org/isecon/2005/2324/index.html>

PRESENTATIONS

Using Social Networking for Educational Enhancement, with Michael J. Magro and Sherry D. Ryan, *Decision Sciences Institute 40th Annual Meeting*, New Orleans, LA, 2009.

Globally Distributed Agile Teams: A Preliminary Conceptual Model for Exploring the Dimensions Contributing to Successful Team Configuration, *Lero, the Irish Software Engineering Research Centre (invited speaker)*, Limerick, Ireland, 2008.
<http://www.lero.ie/events/pastevents/2008/talks/leroul7thmarchjasonsharp.html>

Perceived Importance of Interaction Types Among Learners in Distance Learning, *Educational Research Exchange*, Denton, TX, 2005.

WORKSHOPS

A Sociotechnical Perspective for Analyzing Virtual Agile Software Development Teams, with Michael J. Magro, Sherry D. Ryan, and Victor R. Prybutok, Proceedings of Organizations and Society in Information Systems (OASIS) 2009 Workshop, Phoenix, Arizona, USA *Sprouts: Working Papers on Information Systems*, 9(56). <http://sprouts.aisnet.org/9-56>

E-Government Initiatives: Multinational Perspective, with Bashorat Ibragimova, meeting of the *Special Interest Group on Electronic Government*, Montreal, Quebec, Canada, 2007.

The Successful Configuration of Global Agile Teams, with Sherry D. Ryan and Bashorat Ibragimova, *Organizations and Society in Information Systems*, International Federation for Information Processing Working Group 8.2, Montreal, Quebec, Canada, 2007.

WORK IN PROGRESS

Globally Distributed Agile Teams: An Exploratory Study of the Dimensions Contributing to Successful Team Configuration (targeted to *MISQ*)

A Framework for Exploring the Configuration of Global Agile teams (submitted to *Information & Management*, February 17, 2010)

Using Social Networking for Educational and Cultural Adaptation: An Exploratory Study (targeted to *Journal of Information Systems Education*)

TEACHING EXPERIENCE

Assistant Professor (2008 – Present)

Tarleton State University Stephenville, TX

Instructor (2001 – 2008)

Tarleton State University Stephenville, TX

COURSES TAUGHT

CIS 103. Computer Concepts and Applications. 3 hours. This course provides an overview of the elementary computer concepts and applications, including popular productivity software. Students will acquire college-level skills in the use of personal computers and software applicable to the management of information and delivery of services in a wide variety of fields including business, industry, education, and the humanities.

CIS 104. Introduction to Computer Information Systems and Programming. 3 hours. Introduction to the computer information systems environment, including hardware and software theory, information processing applications, and the analysis and design of computerized solutions to information systems problems. Includes a significant amount of practice in programming business processing logic on personal computers.

CIS 110. Introduction to Programming Logic and Design. 3 hours. Introduction to theory and practice of programming logic and design, development, and problem solving. Emphasis will be on typical business processing. The utilization of logic and design tools, including but not limited to, flowcharts and pseudocode.

CIS 212. Introduction to COBOL Programming. 3 hours. A first course in the COBOL programming language. Covers the basic structure of COBOL, all standard features, data representation, procedures, and simple I/O. Students will analyze and program several representative business-oriented problems.

CIS 240. Introduction to C++ Programming. 3 hours. A first course in the C++ programming language. Covers the basic structure of C++, all standard features, data representation, procedures, simple I/O, and object-oriented programming techniques. Students will analyze and program several representative problems.

CIS 241. Introduction to Visual Basic Programming. 3 hours. An introduction to event-driven, visual application development using Visual Basic. Covers the fundamental structure of Visual Basic, standard features, and simple I/O. Students will analyze and program several representative problems.

CIS 242. Introduction to Java Programming. 3 hours. A first course in the Java programming language. Covers the basic structure of Java, all standard features, data representation, simple I/O, object-oriented programming techniques, such as classes and objects. Java applets, and Visual Java programming techniques. Students will analyze and program several representative problems.

CIS 330. C Programming. 3 hours. An introduction to structured 'C' programming using microcomputers. Covers syntax, operators, functions, standard input/output, arrays, pointers, and structures in 'C' programming.

CIS 340. Advanced C++ Programming. 3 hours. An advanced course in the C++ programming language. Covers the advanced features of C++ such as classes, friends, abstraction, operator overloading, inheritance, polymorphism, templates, and object oriented programming techniques. Students will analyze and program several representative problems.

CIS 341. Advanced Visual Basic Programming. 3 hours. A study of advanced Visual Basic programming techniques, including declaration and manipulation of arrays, accessing database files, and advanced data handling techniques. Students will analyze and program several representative problems.

CIS 342. Advanced Java Programming. 3 hours. An advanced course in the Java programming language. Covers advanced Java capabilities such as class features, error handling, and security techniques, Java streams, JavaBeans, database connectivity, Java servlets, and Java Server pages, and advanced object-oriented programming techniques. Students will analyze and program several representative problems.

CIS 447. Advanced Database Systems. 3 hours. Studies the theory and practice in the analysis, design, development, implementation, and optimization of working database applications on a variety of problems. Students explore small and large databases using relational database software such as ORACLE, PowerBuilder, and SYSDATABASE.

CIS 503. Foundations of Computer Programming. Provides concepts and tools of computer programming that underlie the principles of computer systems. Emphasizes concepts that assist in the creation and support of Management Information Systems.

CIS 507. Systems Analysis for Managers. Investigates and compares various analysis approaches for application automation while highlighting management considerations for planning and developing automated systems. Systems life cycle models and case studies are used.

CIS 511. Managing Information Systems. 3 hours. Studies the management and use of information and technology as a resource to create competitive businesses, manage global operations, provide useful products and provide quality services to customers, whether public or private. Examines information systems management, intellectual property, privacy, organizational and societal impact, legal issues, ethics, security issues, decision making, strategic information systems, and organizational support systems.

CIS 520. Seminar on Computer Based Systems: Java. 3 hours. Topics will vary according to timeliness and special needs.

CIS 549. Topics in Programming: ASP.NET. 3 hours. Develops programming proficiency in a modern programming language. Students complete many programming assignments to achieve necessary knowledge and skills.

PROFESSIONAL EXPERIENCE

Consultant (2000 – 2001)

Pecan Valley Mental Health Mental Retardation Stephenville, TX

Training and assisting IS and field staff in the use of the client and medication database systems. Providing support for Windows '98 local area network, UNIX, network printing, and other computer related issues. Consulting with the IS director, CARE coordinator, and system support specialist in regard to the various aspects of the Pecan Valley computer system as it relates within the broader scheme of the Texas Department of Mental Health Mental Retardation.

System Support Specialist (1999 – 2000)

Pecan Valley Mental Health Mental Retardation Stephenville, TX

Providing system support, maintenance, and training for client and medication database systems for a five county region, creating regularly scheduled and ad hoc reports, maintaining user information and e-mail package on a UNIX system. Providing technical support for Microsoft Windows '95/'98 and Office '97, installing and troubleshooting PCs, software, network printers, and Microsoft peer-to-peer local area networks. Maintaining and reporting client data from TDMHMR state-wide database for the Pecan Valley region.

Office Manager/Database Developer (1997 – 1998)

Tolson Computer Services

Stephenville, TX

Overseeing daily operations including the scheduling of service calls and in-house jobs, purchasing and receiving of computer components, bidding and selling of computer systems, providing customer service and system support. Developing and maintaining custom databases in Microsoft Access 2.0, '95, and '97.

Custom Database Developer (1995-2001)

Stephenville, TX

Designing, implementing, and maintaining custom database systems for small businesses in the retail, manufacturing, and regulatory industries.

OTHER EXPERIENCE

Minister to University Students and Singles (1997-1999)

Valley Grove Baptist Church

Stephenville, TX

Associational Intern (1993-1997)

Baptist Student Ministries

Stephenville, TX

PROFESSIONAL DEVELOPMENT

Alice 3.0: Innovations in Teaching Introductory Programming Workshop, San Francisco, CA, August 6, 2009.

Maintaining a Microsoft SQL Server 2008 Database Training, New Horizons Computer Learning Centers, Fort Worth, TX, July 20-24, 2009.

Advanced Java Programming Workshop, Government Technology Conference Southwest, Austin, TX, January 24-25, 2008.

Introduction to Java Programming Workshop, Government Technology Conference Southwest, Austin, TX, January 22-23, 2008.

Microsoft Training Workshop on Visual Basic.NET, Austin, TX, November 13-15, 2003.

Oracle 9i Training with Dr. Lannes Morris-Murphy, Stephenville, TX, August 8, 2003.

PROFESSIONAL CERTIFICATION

Certified Data Management Professional (CDMP) - The Data Management Association

MEMBERSHIPS

Association for Information Systems (AIS)
Education Special Interest Group (EDSIG)

REVIEWER CONTRIBUTIONS

Information Systems Journal

European Journal of Information Systems

Proceedings of the Second Conference on Information Systems Applied Research (2009), Washington, DC.

Proceedings of the Twenty-Fourth Information Systems Educators Conference, (2008), Phoenix, AZ.

Proceedings of the Twenty-Fourth Information Systems Educators Conference, (2007), Pittsburgh, PA

Proceedings of the Twenty-Third Information Systems Educators Conference, (2006), Dallas, TX

Proceedings of the Twenty-Second Information Systems Educators Conference, (2005), Columbus, OH

SERVICE CONTRIBUTIONS

University

Office of Student Research and Creative Activities Advisory Committee (2009-present)

University Research Committee (2009-present)

SACS Compliance Review Committee (2008-present)

Summer School Task Force (2008-2009)

Environmental Advisory Council (2006-2009)

College

COBA Curriculum Committee (2009-present)

Dean appointed COBA Task Force for AACSB Accreditation (2009-present)

COBA Call Bank for Recruitment (2008)

Dean appointed COBA Annual Faculty Evaluation Review Task Force (2008)

Dean appointed COBA Business Core Task Force (2007)

Department

CIS Faculty Position Search Committee (2009-2010)

Master of Science in Information Systems Comprehensive Exam Coordinator (2008-2009)

Faculty sponsor for AITP Region 3 Student Conference, San Angelo, TX (2008)

Texan Tour (2008)

CIS Departmental Work Group to review programs for adherence to 120 hour requirement (2007)

Faculty sponsor for AITP Region 3 Student Conference, Wichita Falls, TX (2006)

CIS Departmental Work Group for CIS 103 Curriculum and Content Evaluation (2005-2006)

CIS Departmental Work Group for CIS Analysis/Design/Implementation/Project Management/Capstone Course Sequence – Curriculum and Content (2005-2006)

CIS Departmental Work Group for BS CIS / BBA CIS / MS IS Curriculum (2005-2006)

CIS Departmental Work Group for Recruiting CIS Students and Increase Enrollment (2005-2006)

Faculty sponsor for AITP Region 3 Student Conference, Abilene, TX (2005)

Faculty sponsor for AITP National Collegiate Student Conference, Omaha, NE (2004)

Faculty sponsor for AITP Region 3 Student Conference, Natchitoches, LA (2003)

Faculty sponsor – Association of Information Technology Professionals (AITP) Student Chapter (2003-2004)

CIS 1043/1103 Faculty Coordinator (2001-2004, 2007)

CIS Outstanding Graduate Departmental Committee (2001-2003, 2007)

Faculty sponsor for AITP Region 3 Student Conference, San Antonio, TX (2002)

Ongoing faculty advisement for multiple undergraduate students per semester

Professional

Session Chair, *International Conference on Agile Processes and eXtreme Programming in Software Engineering* (2008)

Session Chair, *Information Systems Educators Conference* (2007)

Editorial and Review Board, *Information Systems Education Journal* (2005-2006)

Volunteer for the *Information Systems Educators Conference* (2006), Dallas, TX

Volunteer for the *Information Systems Educators Conference* (2005), Columbus, OH

EVIDENCE OF TEACHING ABILITY

I have been teaching both upper and lower level undergraduate courses in the CIS department at Tarleton State University for eight years. Beginning in Fall 2008, I also began teaching graduate CIS courses. In this time I have received excellent ratings on my student evaluations. In the time period from Fall 2002-Fall 2009 on the question “*Would you recommend this instructor to other students*”, my rating is a 4.8 on a 5.0 scale. For the “*overall*” instructor rating for this same time period, my rating is 4.8 on a 5.0 scale.