

# IAN DOUGLAS

Associate Professor, College of Information  
Associate Program Director, Learning Systems Institute  
Florida State University  
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## EDUCATION

**PH.D.** Computer Science, Glasgow Caledonian University, UK. Dissertation Title: *The integration of expert systems and simulation modeling in the construction of computer-based training systems.* 1996.

**M.Sc.** Computing and Cognition, University of Warwick, UK. Dissertation Title: *Medical expert critiquing systems: a case study in the treatment of epilepsy.* 1985.

**M.A. (HONS)**, Psychology, University of Glasgow, UK. Honors Dissertation Title: *Experimenter effects in the conditioning of planaria.* 1984.

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## PROFESSIONAL EMPLOYMENT

### 1998-PRESENT

Associate Program Director, Learning Systems Institute. Director of LSI's Knowledge Communities Research Group ([www.lpg.fsu.edu/kcrg/](http://www.lpg.fsu.edu/kcrg/)).

Since 2006 Associate Professor, College of Information, Florida State University.

From 2004-2006 Assistant Professor, College of Information, Florida State University.

From 1998-2004 Assistant Professor, Department of Computer Science, Florida State University.

### 1996-1998

Section Head, School of IT and Applied Science, Temasek Polytechnic, Singapore.

### 1989-1996

Senior Lecturer, Department of Computing, Glasgow Caledonian University, UK.

**1988-1995**

Tutor and Post-graduate Supervisor (part-time), Open University, UK.

**April, 1991**

Visiting professor at the Russian Academy of Science's Informatics Institute.

**1987-1988**

Consultant, Interactive Training Systems, Rediffusion Simulation Ltd., UK.

**1985-1986**

Research Assistant, Biomedical Engineering Unit, School of Engineering and Applied Sciences, University of Sussex, UK.

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## RESEARCH

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### PUBLICATIONS:

#### JOURNAL ARTICLES

Douglas, I., (2009). An Object and Performance Framework for Implementation of Web-based Knowledge Sharing Technology. *Journal of Theoretical and Applied Electronic Commerce Research*. 4(1), 57-71.

Douglas, I., Lim, D., & Tan, B. (2007). Beyond training: Human performance improvement in the age of network-centric warfare. *Pointer, Journal of the Singapore Armed Forces*, 32(2).

Sasson, J., & Douglas, I. (2006). A conceptual integration of performance analysis, knowledge management and technology: From concept to prototype. *The Journal of Knowledge Management*, 10(6), 81-99.

Douglas, I. (2006). Issues in software engineering of relevance to instructional design, *TechTrends*, 50(5), 28-35.

Malaxa, V., & Douglas, I. (2005). A framework for metadata creation tools. *Interdisciplinary Journal of Knowledge and Learning Objects*, 1, 151-162.

Schaffer, S.P., & Douglas, I. (2004). Performance support for performance analysis. *TechTrends*, 48(2), 34-38. Examines the use of technology to support the work of a human performance analyst.

Schaffer, S.P., & Douglas, I. (2004). Systems for integrating learning, performance and knowledge objects. *Quarterly Review of Distance Education*, 16(4), 42-52.

Douglas, I., & Schaffer, S. (2002). Object-oriented performance improvement. *Performance Improvement Quarterly*, journal of the International Society for Performance Improvement, 15(3), pp 81-93.

Douglas, I. (2001). Systems, tasks and perspectives: Redefining the importance of technology in enhancing learning. Special Issue of the *International Journal of Continuing Engineering Education and Life-Long Learning* (IJCEELL, a UNESCO journal), 11(1/2), on the theme Internet-based learning and the future of education.

Douglas, I. (1995). Automating a tuition component in simulation based learning. *Temasek Journal*, Singapore, N5, 62-69.

#### REFEREED BOOK CHAPTERS

Douglas, I., Organizational needs analysis and knowledge management. To be published in the upcoming Encyclopedia of Knowledge Management, 2nd Edition. In Press.

Schaffer, S. & Douglas, I., (2008). Integrating knowledge, performance and learning systems. Chpt 4.19 in M. Jennex (Ed.), *Knowledge management: concepts, methodologies, tools and applications*. Hershey, PA: Idea Group Reference, 1595-1604. (Reprint of 2006 article)

Douglas, I. (2008). Knowledge-based Systems. Chapter 22, *Handbook of Research on Educational Communications and Technology* (3rd ed.). Edited by J. M. Spector, M. D. Merrill, J. J. G. van Merriënboer, & M. P. Driscoll, 729-759.

Douglas, I. (2008). Adapting Use Cases for Human Performance Modeling. In L. Botturi and T. Stubbs (Eds.) *Handbook of visual languages for instructional design: Theories and practices*. Hershey, PA: Information Science Research, 210-225.

Douglas, I. (2007). Testing Object Management (TOM): A prototype for usability knowledge management in global software development. In *Usability and Internationalization. HCI and Culture. Lecture Notes in Computer Science*, Heidelberg: Springer, 297-305.

Schaffer, S. & Douglas, I., (2006). Integrating knowledge, performance and learning system: Merging component-based and collaborative design. In S. Clarke and E. Coakes (Eds.), *Encyclopedia of communities of practice in information and knowledge*. Hershey, PA: Idea Group Reference.

#### **REFEREED INTERNATIONAL CONFERENCES WITH PUBLISHED PROCEEDINGS**

Douglas, I., (2009). Global mapping of usability labs and centers. *CHI 2009*, April 4 – 9, 2009, Boston, MA, USA, pp. 4393-4398.

Douglas, I. (2008). Global spread of usability expertise. *Euro American Conference on Telematics and Information Systems*. Aracaju, Brazil, September.

Douglas, I. (2008). Measuring participation in Internet supported courses. *Proceedings of the International Conference on Computer Science and Software Engineering*, Volume: 5, pp. 714-718.

Douglas, I. & Marty, P. (2008). Supporting school visits through mobile computing and interactive journaling. *Proceedings of the 5th International Conference on Information Technology and Applications*, pp. 490-494.

Douglas I., & Alemanne, N.D. (2007). Monitoring student participation and effort. *Proceedings of the IADIS International Conference on Cognition and Exploratory Learning in Digital Age (CELDA 2007)*, Algarve, Portugal, 299-302.

Douglas, I. (2007). Systems thinking and knowledge sharing technology. *Proceedings of the Collaborative Electronic Commerce Technology and Research Conference (CollEcTeR Iberoamérica 2007)*, Córdoba, Argentina, 129-139.

Douglas I., & Alemanne, N.D. (2007). Monitoring participation in online courses. *Proceedings of the 8th International Conference on Information Technology Based Higher Education and Training (ITHET 2007)*, Kumamoto, Japan, 315-320.

- Douglas, I. (2006). Collaborative international usability testing: Moving from document based reporting to information object Sharing. *Proceedings of the IEEE International Conference on Global Software Engineering (ICGSE'06)*, Florianópolis, Brazil, 114-118.
- Douglas, I. (2005). Supporting organizational e-learning. *Proceedings of the IEEE International Conference on e-Business Engineering (ICEBE'05)*, Beijing, China, 360-363.
- Douglas, I. (2005). Capturing and managing decision making rationale. *Proceedings of the IEEE International Conference on Information Reuse and Integration*, Las Vegas, NV, 172-177.
- Flowers, S. and Douglas, I., Brandt, P. (2004). Identifying design patterns for education and training. *Proceedings of the Inter-service/Industry Training, Simulation and Education Conference (I/ITSEC)*, Orlando, FL, 1653, 1-9.
- Douglas, I., Wright, M., and Nowicki, C. (2004). Communicating performance knowledge among the services. *Proceedings of the Inter-service/Industry Training, Simulation and Education Conference (I/ITSEC)*. Orlando, FL, 1630, 1-10.
- Douglas, I. (2004). Net-centric Performance Improvement. *Proceedings of the ixth International Conference on Information Integration and Web-based Applications and Services (iiWAS2004)*, Jakarta, Indonesia, 713-718.
- Douglas, I. (2004). Founding enterprise systems on enterprise performance analysis. *Proceedings of the sixth International Conference on Enterprise Information Systems*, Porto, Portugal, 588-591.
- Douglas, I., Butler, J., Nowicki, C. and Schaffer, S. (2003). Web-based collaborative analysis, reuse and sharing of human performance knowledge. *Proceedings of the Inter-service/Industry Training, Simulation and Education Conference (I/ITSEC)*. Orlando, FL, 1023-1030.
- Douglas, I. (2003). Visualizing and sharing human performance analysis knowledge. *Proceedings of the 7th International Conference on Information Visualization IV03*. London, UK, 465-469. Sponsored by IEEE computer society.
- Douglas, I. (2003). Using web services to provide a framework for knowledge analysis reuse and sharing. *Proceedings of the International Conference on Knowledge Engineering*, Las Vegas, NV, 331-336.
- Douglas, I. (2003). Supporting education and training needs assessment through collaboration, reuse and sharing. *Proceedings of the 4th International Conference on Information Technology based Higher Education and Training*, Marrakech, 305-309.
- Douglas, I. (2003). Supporting object-oriented analysis of human performance systems. *Proceedings of the International Conference on Systems Engineering, Modelling: Tools, UML track*. Annual conference of the International Council of Systems Engineering (INCOSE), Washington, DC, 560-567.
- Douglas, I. and Schaffer, S., (2002). Object-oriented performance analysis. *Proceedings of the Inter-service/Industry Training, Simulation and Education Conference (I/ITSEC)*, Orlando, FL, 367-377.

Douglas, I. and Schaffer, S. (2002). Human performance support based on reusable objects: moving beyond e-learning. *Proceedings of the 20<sup>th</sup> International Conference on Technology and Education*. South Africa.

Douglas, I. (2001). Instructional design based on reusable learning objects: applying lessons of object-oriented software engineering to learning systems design. *IEEE Frontiers in Education conference*, Reno, Nevada, F4E, 1-5.

Douglas, I. (2000). A year in the life of a distance learning developer. *Proceedings of the 18<sup>th</sup> International Conference on Technology and Education*, South Africa, 86-89.

Douglas, I. (2000). A model for supporting component based course design. *Proceedings of the 18<sup>th</sup> International Conference on Technology and Education*, South Africa, 90-93.

Douglas, I. (1999). Learning object-oriented software design at a distance. *Proceedings of the IEEE Frontiers in Education conference*, San Juan, PR, November 12C, 24-27.

Graham, C., Douglas, I., and Yow H.K. (1998). Using interactive notes with web-based learning. *Proceedings of the International Conference on Computers in Education, ICCE '98, 1*, 118-124. Beijing: China Higher Education Press, Beijing and Berlin: Springer-Verlag.

Douglas, I., & Graham, C. (1997). Simulated interviewing for technical language learning. *Proceedings of the International Conference on Computers in Education, ICCE '97*, 469-476. USA: Association for the Advancement of Computing in education (AACE).

Douglas I., & Branki C. (1994). Intelligent agents in co-operative design and planning. In J. Liebowitz (Ed.). *Moving Towards Expert Systems Globally in the 21st Century*. 1st ed., Vol. 1. (*Proceedings of the Second World Congress on Expert Systems*, Lisbon). New York: Cognizant Communications Corporation, 41-45.

Douglas, I. (1994). The essence of multimedia. *Proceedings of Hypermedia '94*, Vassa, Finland, 22-26. This was an invited keynote address.

Douglas, I. (1993). Training on complex equipment using graphical simulations in a Hypermedia environment. *Proceedings of the Hypermedia '93*, Vassa, Finland, 71-77.

Douglas, I. (1993). Combining an expert system and a hypermedia system into a tutoring system. *Proceedings of the World Conference in Artificial Intelligence and Education*, Edinburgh.

Douglas, I. (1991). An object oriented graphical user interface for spatial data management. *Proceedings of the Human-Computer Interaction '91 Conference*, Moscow, 116-120.

Douglas, I. (1986). The attitude of physicians to medical computing and medical expert systems. *Proceedings of the First International Conference on Artificial Intelligence and its Impacts in Biology and Medicine*, Montpellier, France, 102-114.

## **REFEREED INTERNATIONAL CONFERENCES WITHOUT PROCEEDINGS**

Douglas, I (2006). Providing Context for Reuse. International Plugfest. A US DoD Advanced Distributed Learning event.

Sasson, J., & Douglas, I (2005). Net-centric performance improvement: A new way to promote collaboration and information reuse in performance analysis, solution implementation, and performance evaluation. ISPI's 43rd Annual International Performance Improvement Conference, Vancouver, April.

Douglas, I., & Butler, J. (2004). Using visual models for collaborative performance analysis. ISPI's 42nd Annual International Performance Improvement Conference, Tampa, April.

Douglas, I., & Schaffer, S. (2002). A methodological framework for object-oriented performance support. 3rd International Conference on Information Technology based Higher Education and Training, Budapest, IEEE sponsored.

Douglas, I. (1999). Talking head videos: Using a task-based approach to enrich perspectives on knowledge. 17th International Conference on Technology and Education, Tampa, October.

Douglas, I. (1993). Interactive micro-computer based simulation. The 4<sup>th</sup> International Symposium Systems Research and Cybernetics, Baden Baden, Germany.

### **REFEREED REGIONAL CONFERENCES AND PRESENTATIONS**

Douglas, I., & Schaffer, S. (2004). An enterprise system for managing the support of organizational performance. Innovations through Information Technology. *Proceedings of the annual conference of the Information Resources Management Association (IRMA)*, 119-128.

Douglas, I. (2003). Providing an IT framework for sharing knowledge. *Proceedings of the International Military Testing Association (IMTA) annual conference*. Pensacola, FL.

Douglas, I. and Schaffer, S., (2002). A framework for object-oriented collaborative analysis. *Proceedings of the annual Conference of the Association for Educational Communications Technology*, Dallas, TX.

Douglas, I. (1994). Multimedia modeling of expensive equipment. *Proceedings of the American Association of Interactive Multimedia (AAIM) conference on multimedia in training an education*, Charleston, SC, 116-120.

Douglas, I. (1993). Creativity in software design. 1<sup>st</sup> UK Toolbook users conference, Glasgow.

Douglas, I. (1990). Critiquing expert systems as an enhancement to simulation based training. *Proceedings of the UK Simulation Congress*, Sussex, 143-146.

Douglas, I. (1990). Computer-based simulation as a tool for distance learning. Workshop on Computer-aided Open Access Education, Edinburgh.

### **INVITED PRESENTATIONS**

Annual "Engineering Week" lecture at the University of the Philippines, Diliman.

January, 2008- Career talk to graduating seniors in the undergraduate Information Technology degree, College of Information.

July, 2007- 2 day workshop for masters and doctoral students at Dalian Maritime University, Dalian, China, July, 2007.

December, 2006- Presentation on LSI contribution to DoD ADL Testbed project during the Interservice/Industry Training, Simulation and Education Conference, Orlando.

Sept, 2005- Invited presentation to the American Institute of Aeronautics and Astronautics annual meeting: "Net-Centric Management of Human Performance".

Jul, 2005- Invited presentation to the Open University of the Netherlands, Educational Technology Expertise Centre (OTEC).

Oct, 2004- Invited presentation at the National Institute of Education, Singapore. Centre for Research in Pedagogy and Practice Seminar: "Knowledge management of organizational learning".

Oct, 2004- Invited presentation for the Future Systems Directorate, Singapore Armed Forces. "Knowledge management in the military".

Sept, 2004- US Coast Guard's human performance technology workshop- "Identifying Design Patterns for Education and Training". Yorktown, VA.

Nov, 2003- Department of Defence's Joint Performance Action Team- "Performance Research". Institute for defense analysis, Alexandria, Va.

Sept, 2003- US Coast Guard's human performance technology workshop- "Making Performance Analysis Collaborative and Reusable". Yorktown, VA.

July, 2002- Department of Defense's Advanced Distributed Learning initiative-SCORM Plugfest 6, "Automated Object-Oriented Performance Analysis (AOOPA)". Defense Acquisition University, Washington DC. Video available online at:  
<http://www.adlnet.org/index.cfm?fuseaction=Plugfest6Schedule&day=2>

July, 2002-. Presentation for the Coastal Systems Station (CSS), US Navy, "Human-computer interaction", Panama City, Florida.

April, 2002- - Invited presentations to graduate students and faculty of department of Instructional Systems, FSU. "Learning Objects".

June, 2001- Briefing for FSU Office of Distance and Distributed Learning. "The sharable content object reference model".

November, 2001- Invited presentation to leaders of the department of defense's advanced distributed learning project, "Analysis and design issues of the sharable content object reference model", during the Interservice/Industry Training, Simulation and Education Conference, Orlando.

April, 2001- Briefing on web technology. C-NET Navy projects group, LSI.

April, 1999- Invited presentation to graduate students and faculty of department of Instructional Systems, "Artificial Intelligence and Education", FSU.

Feb, 1999- Learning Systems Institute, "Research in distance learning" FSU,

Sept, 1998- "Development of multimedia technology and its implications on industrial structure". Invited keynote address at the symposium on information technology and industrial revolution, Yogyakarta, Indonesia. Sponsored by the Asian Productivity Association.

Sept, 1997- "Simulated interviewing for technical language learning" conference on IT in English language learning held in Singapore.

May, 1994- "The essence of multimedia". Invited keynote address at Hypermedia 94. Vassa, Finland. Sponsored by the European Society for Engineering Education.

Sept, 1993- "Virtual Reality". Presentation for west of Scotland chapter of the British Computer Society.

Nov, 1987- "Medical Artificial Intelligence". Computer Science department colloquium, New Mexico State University, Las Cruces.

### **SELECTED OTHER WRITINGS AND REPORTS**

Usabilitynews.com <http://www.usabilitynews.com/news/article4501.asp>

Research reports delivered as part of a project with the US Army (see under funded research):

Software systems to support a framework for net-centric performance improvement, July, 2004.

A framework for net-centric performance improvement, Mar, 2004.

Final report on the automated object-oriented performance analysis research project. Aug, 2003.

Evaluation report on the automated object-oriented performance analysis research project, Aug, 2003.

Software systems to support a framework for object-oriented performance analysis, 2002.

A framework for object-oriented performance analysis, 2002.

Distance learning study guide and CD-ROM for course COP 3331, object-oriented analysis and design, 1999.

Douglas, I. (1997). Problems with computers in education. In "Focus" newsletter produced by the corporate and professional development department of Temasek Polytechnic.

Douglas, I. (1986). Problems in the construction of medical expert systems. Artificial Intelligence in Medicine Group Report AIMG-11. University of Sussex.

### **DATABASE CONSTRUCTION**

Database of usability testing laboratories: <http://gukm.lsi.fsu.edu/maps/map>

## HONORS AND AWARDS

President's award for the most innovative use of technology in instruction. Florida State University, 2000.

Annual innovation award by Temasek Polytechnic, 1998.

## MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Association of Computer Machinery (ACM)

Institute of Electrical and Electronic Engineers (IEEE) Computer Society

International Society for Performance Improvement (ISPI)

National Training Systems Association (NTSA)

## GRANT FUNDING

Douglas, I. Co-PI (Feb, 2009 –Feb 2011) with Eccles and Ward (LSI). *Investigating the effect of appliance interface design on energy-use behavior*. Institute for Energy Systems, Economics and Sustainability (IESES). Amount granted: \$250,000.

Douglas, I. Co-PI with McLure, C. (College of Information) (Feb, 2009 –Feb 2010). *Development of a renewable energy research web portal*. Institute for Energy Systems, Economics and Sustainability (IESES). Amount granted: \$210,000.

Douglas, I. Principal Investigator (Sept 2003-Jan 2006). *Net-Centric Performance Improvement*. Army Research Office. Proposal to develop and test models for configurable enterprise software for knowledge management of organizational performance knowledge. Army Research Office. Amount granted: \$2,600,000.

Douglas, I. Principal Investigator (Sept 2001-Sept 2003). *Automated Object-Oriented Performance Analysis*. Proposal to develop and test models for software support of human performance analysis. Army Research Office. Amount granted: \$1,800,000.

Lou Van Wyk, Owen Gaede (PI) and Robert Morgan, Douglas, I. (Sept 2000-Sept-2001) *A collaboration to raise the percentage of disadvantaged students qualifying for university admission in South Africa*. Proposal to investigate problems and build support systems for K12 education in South Africa. USAID. Amount granted: \$99,000.

Douglas, I. (1994). *Educational simulation research*. Internal development grant from Glasgow Caledonian University. Amount granted: \$80,000.

Douglas, I. (1993). *Scholarship to support the visit of an educational software developer from the former Soviet Union*. Nuffield Foundation, London. Amount granted: \$7,000.

Douglas, I. (1986). *Student travel scholarship to investigate US education in artificial intelligence*. Economic and Social Research Council, UK government. Amount: \$2000. Support travel to visit professors at Carnegie Mellon, UC San Diego and Stanford.

## TEACHING

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### UNDERGRADUATE:

Courses developed and taught include:

- Use and Usability of Information Systems
- Electronic Media Production
- Object-Oriented Analysis and Design
- Software Engineering
- Human-Computer Interaction
- Office Automation
- Experimental Design and Statistics
- Introduction to Programming
- Web Software Development
- Introduction to Computer Science

### GRADUATE:

Courses developed and taught include:

- Assessing Information Needs
- Interactive Multimedia
- Usability Analysis
- Human-Computer Interaction
- Design and Production of Networked Multimedia
- Artificial Intelligence

Member, 8 Master's Dissertation Committees (8 completed,).

Chair, 3 Master's Dissertation Committees (3 completed at FSU).

Prior to period at FSU was the program director of an MSc degree program and directed over 25 masters' students

### DOCTORAL:

Granted Doctoral Directive Status in arts and science, Fall 2001.

Doctoral Committees director (2 current) – both due for completion by summer 2009.

Member, Doctoral Committees (3 completed, 4 current).

### CURRICULUM DEVELOPMENT:

Selected to participate in an NSF funded workshop on Digital Media Curriculum Development, June 2005.

Involved in new curriculum development in undergraduate program in information technology (Jan 05- to present) and Computer Science (Oct 98-May 2000).

Prior to coming to FSU have lead new curriculum development teams in multimedia at Temasek Polytechnic (undergraduate) and Glasgow Caledonian University (graduate). Have also participated in teams developing curriculum for information technology and Internet computing.

## **SERVICE**

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### **Appointments as external examiner:**

Appointed external examiner for a doctoral defense at the University of Bergen, Norway, 2008.

External examiner for masters thesis at the Massey University, New Zealand, May, 2007.

Appointed External Examiner for Temasek Polytechnic, School of Information Technology, June, 2005-June 2007. Involves visiting Polytechnic once a year, examining teaching and assessment practices, and reporting to the principal on academic quality.

### **JOURNALS:**

Editorial Board of the International Journal of Virtual Technology and Multimedia (IJVTM), 2006-2008.

### **INTERNATIONAL CONFERENCE ORGANIZING COMMITTEES:**

IADIS Virtual Multi Conference on Computer Science and Information Systems (MCCSIS 2005). Local organizing committee for the International Conference on Technology and Education, held at FSU, 2-5<sup>th</sup> May, 2001.

Chair of the organizing committee of the first UK Multimedia Toolbook User's Conference, 1994.

### **INTERNATIONAL CONFERENCE PROGRAM COMMITTEES:**

Program Committee member for Software Engineering Research, Management and Applications (SERA2009)

CELDA 2008, 2009 – Cognition and Exploratory Learning in the Digital Age.

EATIS 2008, 2009 - Euro American Conference on Telematics and Information Systems

International Conference on Advanced Learning Technologies, 2008, 2009.

Scientific committee of the IADIS conference on e-LEARNING - EL2007.

7th IEEE International Conference on Advanced Learning Technologies, 2007.

The seventh International Conference on Information Integration and Web-based Applications and Services (iiWAS2005).

5th IEEE International Conference on Advanced Learning Technologies, 2005.

IEEE computer society's Information Visualisation conference, 2005.

IEEE computer society's Information Visualisation conference, 2004.

International conference on Artificial Intelligence in Design, Paris, 1998.

Hypermedia 95 international conference, Sheffield, UK, 1995.

### **OTHER CONFERENCE SERVICE:**

Session chair for the CELDA conference (December, 2008)

Session chair for the IEEE International Conference on e-Business Engineering (October, 2005).

Session chair for the IEEE International Conference on e-Business Engineering (October, 2005).

Session chair for the IEEE International Conference on Information Reuse and Integration (August, 2005).

Session chair for the sixth International Conference on Information Integration and Web-based Applications and Services (August, 04).

Session chair and day proceedings summarizer for the International Conference on Technology and Education, (May, 2002).

### **NATIONAL AND STATE:**

Military aviation simulation workshop/advisory panel. Jan 05.  
 Provided comments on a draft of a “Common Upper Ontology Paper” to be submitted to the chief information officer of the DOD by a cross services working group on semantic interoperability.  
 Member of the DoD Joint Performance Action Team, 2003-present.  
 Provided a response to Florida state government committee on digital television, 2001.  
 Provided Extern place for a student at Chiles high school.

### **PROVIDING REVIEWS**

#### **Educational:**

Reviewer for FSU council for creativity and research, 2006-2007.  
 New curriculum external review for Diploma in IT at Temasek Polytechnic, Oct, 04.  
 Reviewer for the President’s award for the most innovative use of technology in instruction, 2001.  
 External reviewer for course proposal in e-business at Glasgow Caledonian University, 1999.  
 Judge for annual web design competition held by the teacher training center of Singapore, 1996.  
 External reviewer for a proposed MSc degree in multimedia at London Guildhall University, 1995.

#### **Conference:**

Australasian Computer-Human Interaction Conference (OzChi), 2008.  
 Cognition and Exploratory Learning in the Digital Age (CELDA), 2008.  
 IEEE International Conference on Advanced Learning Technologies (ICALT), 2005-09.  
 Cognition and Exploratory Learning in the Digital Age (CELDA), 2005-08.  
 IADIS Virtual Multi Conference on Computer Science and Information Systems (MCCSIS) 2005.  
 International Conference of the Information Resources Management Association, 2005.  
 International Conference on Computers in Education, 2005.  
 ACM Conference on Computer Science Education SIGCSE, 2004.  
 ACM Symposium on Applied Computing, 2004.  
 ACM Conference on Computer Science Education SIGCSE, 2003.

#### **Journal:**

Journal of Theoretical and Applied Electronic Commerce Research, 2008.  
 Journal of Theoretical and Applied Electronic Commerce Research, 2007.  
 Journal of Engineering Education, 2005.

#### **National Science Foundation:**

Panel reviewer of computer science proposals submitted to the National Science Foundation's Information & Intelligent Systems (IIS), Human-centered computing Program, January, 2007.

Panel reviewer of computer science proposals submitted to the National Science Foundation's Course, Curriculum and Laboratory Improvement (CCLI) Program, July, 2001 and July, 2002.

Panel reviewer of computer science proposals submitted to the National Science Foundation's Course, Curriculum and Laboratory Improvement (CCLI) Program, July, 2001 and July, 2002.

**Book Review:**

Book proposal review for Springer - Computer-Based Diagnostics and Systematic Analysis of Knowledge by Dr. Dirk Ifenthaler, Dr. Pablo Pirnay-Dummar, Dr. Norbert M. Seel, 2009. Computer-Based Diagnostics and Systematic Analysis of Knowledge, book proposal, for Springer, 2008.

Software Development in an Object-Oriented Domain, book proposal, for Pearson, 2003.

Bruegge/Dutoit, Software Engineering / second edition manuscript review, for Pearson, 2002-2003.

Maurer, Component Level Programming, book proposal, for Pearson, 2002.

Bruegge/Dutoit, Software Engineering / first edition, for Pearson, 2001.

**FLORIDA STATE UNIVERSITY**

Member, Council for creativity and research (2006).

Member, Distance Learning development Committee (1999-2003).

Served on selection committees for the office of distributed and distance learning and assisted in the recruiting of faculty members for department of geography and education, 1999-2007.

**COLLEGE OF INFORMATION, FLORIDA STATE UNIVERSITY**

Co-Chair of the undergraduate programs committee (Jan 2008-present).

Member, faculty promotion and tenure committee (Jan-Aug 2007).

Member, undergraduate programs committee (Jan, 2004-present).

**DEPARTMENT OF EDUCATIONAL TECHNOLOGY & LEARNING SYSTEMS, FLORIDA STATE UNIVERSITY**

Outside member, Faculty Search Committee (Jan, 2006-Mar, 2007).

**DEPARTMENT OF COMPUTER SCIENCE, FLORIDA STATE UNIVERSITY**

Part of CS distance learning implementation team (1999-2003).

Member, network and equipment committee (2002-2004).

**LEARNING SYSTEMS INSTITUTE, FLORIDA STATE UNIVERSITY**

Member of the faculty review committee (2008-present).

Member, leadership committee (1999-present).

Member, LSI innovation park management committee (2002-2006).

Chair, LSI recruitment committee (2003).

Managed the redevelopment of LSI's network infrastructure and research facilities at Innovation Park, 2001-2004.

I designed, equipped and installed a human factors lab in the new research facility at Innovation Park, 2003. See [http://www.lpg.fsu.edu/lsi\\_hflab/](http://www.lpg.fsu.edu/lsi_hflab/)