

## **Dr. Scott A. King**

Texas A&M University-Corpus Christi  
Science & Engineering, Computing Sciences  
Email: scott.king@tamucc.edu

### **Education**

PhD, The Ohio State University, 2001.

MS, The Ohio State University, 1994.

BS, Utah State University, 1988.

### **Professional Employment**

Chair, Texas A&M University - Corpus Christi. (August 2015 - Present).

Associate Professor, Texas A&M University - Corpus Christi. (September 2007 - Present).

Assistant Professor, Texas A&M University - Corpus Christi. (September 2004 - August 2007).

Summer Faculty Fellow, NASA Johnson Space Center. (May 2006 - June 2006).

Lecturer, University of Otago. (January 2002 - July 2004).  
equivalent to assistant professor in the U.S.

Senior Lecturer, The Ohio State University. (June 2001 - December 2001).

Lecturer, The Ohio State University. (September 2000 - June 2001).

### **Administrative Appointments**

#### Department

Department Chairperson (2015 - Present)

Program Coordinator (2013 - 2015)  
Computer Science Program Coordinator

Program Coordinator (2009 - 2013)  
Computer Science Graduate Program Coordinator

#### College

Program Coordinator (2015 - Present)  
GSCS Doctoral Program

### **Professional Memberships**

IEEE Computer Society  
Institute of Electrical and Electronics Engineers  
ACM Special Interest Group on Computer Graphics  
Association for Computing Machinery

## TEACHING

### Teaching Experience

CMSS 6590, ADVANCED TOPICS: Introduction to Scientific Programming  
COSC 1435, INTRO TO PROB SOLV WITH COMP I  
COSC 1436, INTRO TO PROB SOLVING COMPII  
COSC 3325, GAME PROGRAMMING  
COSC 4328, COMPUTER GRAPHICS  
COSC 4353, COMPILER CONSTRUCTION  
COSC 4396, The Animation of Natural Phenomena  
COSC 4590, SELECTED TOPICS: AI Robotics  
COSC 4690, The Animation of Natural Phenomena  
COSC 5311, FOUND IN PROGRAMNG-PROB SOLVIN  
COSC 5327, INTRO TO COMPUTER GRAPHICS  
COSC 5328, ADVANCED COMPUTER GRAPHICS  
COSC 5351, ADVANCED COMPUTER ARCHITECTURE  
COSC 5353, PRINCIPLES OF COMPILER CONSTRU  
COSC 5395, GRAD PROJECT-TECH REPORT  
COSC 5396, Physical Based Animation  
COSC 5398, THESIS I  
COSC 5399, THESIS II  
COSC 5590, SELECTED TOPICS: AI Robotics  
COSC 5999, ADV RESEARCH IN COMPUTER SCI  
GSCS 6996, RESEARCH  
MATH 5339, NUMERICAL ANALYSIS

## SCHOLARLY AND CREATIVE ACTIVITIES

### Publications

#### Refereed

##### Book Chapters

King, S. A. (2008). In Arjan Egges, Arno Kamphuis, Mark Overmars (Ed.), *Animating Speech in Games* (pp. 234-245). Lecture Notes in Computer Science, Motion in Games 2008.

King, S. A., Parent, R. E., Olsafsky, B. (2001). In Nadia Magnenat-Thalmann and Daniel Thalmann (Ed.), *A Muscle-Based 3D Parametric Lip Model for Speech-Synchronized Facial Animation* (pp. 12-23). Boston: Deformable Avatars.

King, S. A., Crawfis, R. A., Reid, W. (2000). In Min Chen, Arie E. Kaufman and Roni Yagel (Ed.), *Fast Volume Rendering and Animation of Amorphous Phenomena* (pp. 229-242). London: Volume Graphics.

##### Conference Proceedings

Chen, G., King, S. A., Scherger, M. (2011). *Robot Remote Control Using Bluetooth and a Smartphone Augmented System*. 2011 3rd International Asia Conference on Informatics in Control, Automation, and Robotics (CAR 2011).

Huynh, L. K., King, S. A. (2011). Low-Cost Solutions For Making Hands-Free Video Games. In Katherine Blashki (Ed.), *Proceedings of the IADIS International Conference Game and Entertainment Technologies 2011* (pp. 51-58). Rome:

Do, A. T., King, S. A. (2011). *Creating Emotional Speech for Conversational Agents*. Chengdu: Proceedins of CASA 2011.

Vangala, R. K., Do, A. T., King, S. A. (2009). *Nueces Bay Environmental Data Visualization* (pp. 23). Texas A&M International University: The 7th Annual Texas A&M University System Pathways Student Research Symposium.

Bachnak, R., King, S. A. (2008). *Non-Destructive Evaluation and Flaw Visualization Using an Eddy Current Probe* (pp. 134--139). Proceedings of the Third International Conference on Systems.

King, S. A. (2008). *Animated Speech in Games* (pp. 223-232). Utrecht: Proceedings of Motion in Games 2008 (MIG '08).

Bachnak, R., King, S. A. (2008). *Non-Destructive Evaluation and Position Tracking of Flaws in Conductive Materials* (pp. 68-73). cancum: Proceedings of the 12th Int. Conf. on Systems.

Bachnak, R., King, S. A., Meager, W., Nguyen, T. (2007). *Eddy Current System for Material Inspection and Flaw Visualization* (pp. 28-33). Istanbul: Proceedings of 6th WSEAS Int. Conf on Applications of Electrical Engineering (AEE '07).

Lam, Z., King, S. A. (2005). *Simulating tree growth based on internal and environmental factors* (pp. 99-107). Dunedin: Proceedings of GRAPHITE 2005.

Burgess, J., Wyvill, G., King, S. A. (2005). *A System for Real-Time Watercolour Rendering*. Stony Brook: Proceedings of CGI 2005.

Burgess, J., King, S. A. (2004). *A System for Watercolour Rendering* (pp. 357-362). Akaroa: Proceedings of Image and Vision Computing New Zealand 2004.

Wood, A., McCane, B., King, S. A. (2004). *Ray Tracing Arbitrary Objects on the GPU* (pp. 327-332). Akaroa: Proceedings of Image and Vision Computing New Zealand 2004.

Angelidis, A., Cani, M.-P., Wyvill, G., King, S. A. (2004). *Swirling-Sweepers: Constant-Volume Modeling*. Seoul: Pacific Graphics 2004.

King, S. A. (2004). *Real-Time Facial Animation and Speech Synchronization Techniques Applicable to 3D Games* (pp. 94-102). Dunedin: New Zealand Game Developers Conference Fuse2004.

Lam, Z., King, S. A. (2003). *Animation of Tree Development* (pp. 297-302). Palmerston North: Image and Vision Computing New Zealand 2003.

Baker, W., King, S. A. (2003). *Interactive Modelling of Hair with Texture Maps* (pp. 84-89). Palmerston North: Proceedings of Image and Vision Computing New Zealand 2003.

Lorenzo, M. S., Edge, J. D., King, S. A., Maddock, S. (2003). *Use and Re-use of Facial Motion Capture Data*. Bath: Proceedings of Vision, Video, and Graphics 2003.

King, S. A., Knott, A., McCane, B. (2003). *Language-driven nonverbal communication in a bilingual conversational agent* (pp. 17-22). Rutgers: Proceedings of Computer Animation and Social Agents 2003.

Parent, R., King, S. A., Fujimura, O. (2002). *Issues with lip-synch animation: can you read my lips?* (pp. 19-21). Geneva: Computer Animation 2002.

King, S. A., Parent, R. E. (2002). *Lip Synchronization for Song* (pp. 233-239). Geneva: Proceedings of Computer Animation 2002.

King, S. A., Parent, R. E., Olsafsky, B. (2000). *An Anatomically-Based 3D Parametric Lip Model to Support Facial Animation and Synchronized Speech* (pp. 7-19). Proceedings of Deform 2000.

King, S. A., Parent, R. E. (2000). *A Parametric Tongue Model for Animated Speech*. Interlaken: Computer Animation and Simulation 2000: Proceedings of the Eurographics Workshop.

King, S. A., Crawfis, R. A., Reid, W. (1999). *Fast Animation of Amorphous and Gaseous Phenomena* (pp. 333-346). Swansea: Volume Graphics '99.

Yagel, R., Stredney, D., Wiet, G. J., Schmalbrock, P., Rosenberg, L., Sessanna, D. J., Kurzion, Y., King, S. A. (1996). *Multisensory Platform for Surgical Simulation* (pp. 72-78). Santa Clara: IEEE Virtual Reality Annual International Symposium 1996 - VRAIS'96.

#### Journal Articles

Tedford, P. A., King, S. A. (2009). Using a Summer Camp to Attract Computer Science Majors. *The Journal of Computing Sciences in Colleges*, 24(4), 30-35.

Bachnak, R., King, S. A. (2008). Position tracking and flaw visualization in conductive materials. *WSEAS TRANSACTIONS on SYSTEMS*, 7(9), 804-813.

Sperry, R. A., King, S. A., Fernandez, J. D. (2007). Is a 3-D Image Necessary to Determine Eye Gaze? *The Journal of Computing Sciences in Colleges*, 22(6), 198-204.

Angelidis, A., Cani, M.-P., Wyvill, G., King, S. A. (2006). Sweepers: Swept Deformation Defined by Gesture. *Graphical Models*, 68(1), 2-14.

King, S. A., Parent, R. E. (2005). Creating Speech-Synchronized Animation. *IEEE Transactions on Visualization and Computer Graphics*, 11(3), 341-352.

King, S. A., Parent, R. E. (2004). Animating Song. *Computer Animation and Virtual Worlds*, 15(1), 53-61.

King, S. A., Parent, R. E. (2001). A 3D Parametric Tongue Model for Animated Speech. *Journal of Visualization and Computer Animation*, 12(3), 107-115.

#### Master's Thesis

Ersoy, I. B., Mahdy, A. M., Fernandez, J. D., King, S. A. (2018). *Knowledge temple: a collaborative knowledge sharing technique for agile software development*. [hdl.handle.net/1969.6/490](http://hdl.handle.net/1969.6/490)

#### poster

Ramirez, A., Rahnemoonfar, M., King, S. A., Li, L. (2015). *Oil spill detection via hyperspectral images using MapReduce on NVIDIA GPU* (pp. 1). ASPRS 2015 Annual Conference Imaging & Geospatial Technology Forum (IGTF).

## Non-Refereed

### Conference Proceedings

Ortiz, J. M., King, S. A. (2010). *Interactive Visualization Tool to Explore the Geoid*. (pp. 167). Berkeley, California: Proceedings of 18th Annual Ronald E. McNair California Scholars Symposium.

### Journal Articles

Ortiz, J. M., King, S. A. (2011). An Interactive Visualization Tool to Explore the Geoid. *McNair Scholars Research Journal, II*(Summer 2009-Summer 2010), 105-109.

### SIGGRAPH Sketch

Angelidis, A., Cani, M.-P., Wyvill, G., King, S. A. (2004). *Swirling-Sweepers: Constant-Volume Modeling* (pp. 40). ACM SIGGRAPH 2004 Sketches.

### Technical Reports

King, S. A., Parent, R. E. (2000). *TalkingHead: A Text-to-Audiovisual-Speech System* (OSU-CISRC-2/80-TR05 ed.). Columbus, OH: Computer and Information Science, Ohio State University.

## Presentations

Hamner (Post Doc), R. M. (Author & Presenter), Selwyn, J. (Author), Krell, E. (Author), King, S. (Author), Bird, C. E. (Author), "Modeling next-generation sequencer sampling error dramatically reduces false positives in genetic structure test," Society for the Study of Evolution, Portland, OR. (2017).

Pinnaka, V. D. (Author & Presenter), King, S. A., "3D Data Streaming Using Single Board Computers For SmartLab," Texas A&M System 13th Annual Pathways Student Research Symposium, Prairie View, Texas. (November 4, 2016).

Huynh, D. (Author & Presenter), King, S. A. (Author), "DEVELOPMENT OF A STANDARDIZED FRAMEWORK FOR COST-EFFECTIVE COMMUNICATION SYSTEM BASED ON 3D DATA STREAMING AND REAL-TIME 3D RECONSTRUCTION," Texas A&M System 13th Annual Pathways Student Research Symposium, Prairie View, Texas. (November 4, 2016).

Hu, J. (Author & Presenter), King, S. A. (Author), "Facial Emotion Recognition using Deep Learning," Texas A&M System 13th Annual Pathways Student Research Symposium, Prairie View, Texas. (November 4, 2016).

Zhou, X. (Author & Presenter), King, S. A., "Real-Time Realistic Face Model Renderer," Texas A&M System 13th Annual Pathways Student Research Symposium, Prairie View, Texas. (November 4, 2016).

Sadovskii, A. L., Montagna, P. A., King, S. A., "Modeling and visualization of the marshes vegetation," UNESCO Our Common Future, UNESCO, Paris, France. (July 7, 2015).

Sadovskii, A. L. (Author & Presenter), Montagna, P. A. (Author), King, S. A. (Author), Nelson, K. C. (Author), Palmer, T., Turner, E. L., "Nueces Delta Ecological Modeling," ECSA 53 Estuaries

and Coastal Areas in the time of intense change, ECSA, Elsevier, ECNU, SKLEC., Shanghai, China. (October 14, 2013).

Sadovski, A. L., Montagna, P. A., King, S. A., Turner, E. L., "MODELING AND VISUALIZATION OF THE MARSHES VEGETATION," ASLO 2013: Aquatic Sciences Meeting, Association for the Sciences of Limnology and Oceanography, New Orleans. (February 20, 2013).

Teng, M. Y., Mehrubeoglu, R., King, S. A., Cammarata, K., Simons, J., "Determining Percent Epiphyte Coverage of Seagrass using Hyperspectral Imaging and Parallel Programming," 11th Annual TAMUS Pathways Symposium, Galveston, TX. (November 2012).

King, S. A., "Creating Emotional Speech for Conversational Agents," CASA 2011. (2011).

King, S. A., "Low-Cost Solutions For Making Hands-Free Video Games," GET 2011. (2011).

Ortiz, J. M. (Author & Presenter), King, S. A. (Author), "An Interactive Visualization Tool to Explore the Geoid," A&M University-Corpus Christi Tenth Annual Undergraduate Research Symposium, Corpus Christi, Texas. (October 2010).

Sperry, R. A. (Author & Presenter), King, S. A. (Author), Fernandez, J. D. (Author), "Is a 3-D image necessary to determine eye gaze?," CCSC:SC Annual Conference, CCSC:SC, Wichita Falls, TX. (April 2007).

## **Contracts, Grants and Sponsored Research**

### **Contract**

King, Scott Alan (Principal), Bachnak, Rafic (Principal), "Quantifying Digital Imagery and Position Tracking for Non-Destructive Evaluation Tools for Use on Space Station Structure," Sponsored by NASA, Federal, \$100,000.00. (September 1, 2006 - August 31, 2008).

### **Grant**

Kar, Dulal C, King, Scott Alan, Um, Dugan, "Supporting Undergraduates for Careers in Computing and Engineering with Scholarships and Supervision," Sponsored by National Science Foundation, Federal, \$609,857.00. (March 1, 2015 - February 29, 2020).

Rahnemoonfar, Maryam, King, Scott Alan (Co-Principal), "Real Time Heterogeneous Product Counting on Amazon Bin Image Dataset based on Deep Learning," Sponsored by Amazon, Private, \$100,000.00. (January 2017 - January 2018).

King, Scott Alan (Principal), "NSF-SSTEM: Expanding the STEM Pool with Transfer Scholarships (ESP)," Sponsored by NSF, Federal, \$598,934.00. (July 1, 2012 - June 30, 2017).

Ajisafe, Toyin D (Principal), King, Scott Alan (Co-Principal), "College of Education Faculty Research Enhancement Grant," Texas A&M University-Corpus Christi, \$2,750.00. (2015 - 2016).

Ajisafe, Toyin D (Principal), King, Scott Alan (Co-Principal), "University Research Enhancement Grant," Texas A&M University-Corpus Christi, \$5,000.00. (2015 - 2016).

Fernandez, John D, Garcia, Mario A, Kar, Dulal C, King, Scott Alan, Li, Longzhuang, Mahdy, Ahmed Mahmoud, Katangur, Ajay Kumar, "CRI: IAD – Computing Infrastructure for Research-Based Learning (CIRBL)," Sponsored by NSF, Federal, \$650,000.00. (August 10, 2007 - August 31, 2011).

Sadovski, Alexey L., King, Scott Alan, "Development of New Models of the Local Geoid along the Coast of the Gulf of Mexico.," Sponsored by TAMUCC, State, \$24,000.00. (September 1, 2008 - August 31, 2009).

King, Scott Alan (Principal), Busch, Charlotte Ann (Co-Principal), Mehrubeoglu, M. (Co-Principal), Tedford, Phyllis Ann (Co-Principal), "Initiatives to Increase Participation in Computer Science and Engineering," Sponsored by Texas Workforce Commission and Texas Engineering and Technical Consortium,, State, \$82,200.00. (January 1, 2008 - August 31, 2009).

King, Scott Alan (Principal), Busch, Charlotte Ann (Co-Principal), Tedford, Phyllis Ann (Co-Principal), "Summer Merit Program," Sponsored by Texas Workforce Commission, State, \$43,240.00. (April 15, 2008 - September 30, 2008).

King, Scott Alan (Principal), Sadovski, Alexey L. (Co-Principal), "Visualization and Modeling of the Environmental Phenomena in Bays and Estuaries," Texas A&M University-Corpus Christi, \$35,425.00. (November 1, 2007 - August 31, 2008).

King, Scott Alan (Principal), Sadovski, Alexey L. (Co-Principal), "Modeling, Simulation, and Visualization of the Environmental Phenomena in the Bays and Estuaries of the Gulf of Mexico," Texas A&M University-Corpus Christi, \$40,400.00. (October 1, 2007 - August 31, 2008).

King, Scott Alan (Principal), "Visual Prosody for Improved Facial Animation," Texas A&M University-Corpus Christi, \$35,200.00. (October 2007 - August 31, 2008).

King, Scott Alan, "Motion Capture of Prosodic Information for Speech Synchronization," Texas A&M University-Corpus Christi, \$11,190.00. (September 1, 2005 - August 31, 2006).

King, Scott Alan, "Creating a Conversational Agent for Better Human Computer Interaction," Texas A&M University-Corpus Christi, \$16,057.00. (February 1, 2005 - August 31, 2005).

## **Scholarly and Creative Awards and Honors**

NASA Summer Faculty Fellow, NASA. (2006).

## **SERVICE**

### **Department**

Committee Member, Computer Science Graduate Studies Committee. (September 2013 - Present).

Committee Member, Computing Sciences Department Promotion and Tenure Committee. (2008 - Present).

Committee Member, Computer Science Undergraduate Studies Committee. (2006 - Present).

Committee Member, Assistant Professor Search. (May 2016 - August 2016).

Committee Member, Professional Assistant Professor Search. (May 2016 - August 2016).

Committee Member, College of Graduate Studies Award Committee. (February 2014 - August 2015).

Committee Chair, Computer Science Graduate Admissions Committee. (2008 - August 2015).

Committee Chair, Computer Science Graduate Studies Committee. (2008 - August 2013).

Committee Member, Faculty Search Committee. (October 2011 - 2012).

Geospatial PhD Proposal. (2011 - 2012).

Committee Member, Computing Sciences External Research Committee. (2008 - May 2011).

Committee Member, Computer Science Assessment Committee. (2008 - 2010).

Faculty Advisor, Computer Science Club. (2005 - 2010).

Computer Science ABET Assessment Officer. (2007 - 2008).

Committee Member, Computing Sciences Department Operating Procedures Committee. (2007 - 2008).  
Committee Member, GIS Faculty Search Committee. (2007 - 2008).  
Committee Member, Computer Science Graduate Studies Committee. (2006 - 2008).  
Committee Chair, Computer Science Undergraduate Studies Committee. (2006 - 2008).  
Committee Member, Computing Sciences Department Network Specialist II Search Committee. (2007).  
Committee Member, Computing Sciences Department Chair Search Committee. (2006 - 2007).  
Committee Member, Computing Sciences Department Web Committee. (2006 - 2007).  
Committee Member, Computer Science ABET Committee. (2004 - 2007).  
Committee Member, Computing Sciences Department Senior Secretary Search Committee. (2006).  
Committee Member, Computer Science, House Bill 1172 Committee. (2005).

## College

Committee Member, College of Science and Engineering Steering Committee. (September 2011 - May 2013).  
Committee Member, S\&T Distinguished Seminar Committee. (2006 - 2009).  
Committee Member, S\&T College Research Release Committee. (2006 - 2007).  
Committee Member, College of Science & Technology Faculty Enhancement Research Committee. (2004 - 2006).  
Committee Member, College of Science & Technology Workload Release Committee. (2004 - 2006).

## University

Committee Member, Data Warehouse Project. (April 2016 - Present).  
Committee Member, Teacher Education Committee. (September 2015 - Present).  
Committee Member, Intercollegiate Athletics Council - Academic Subcommittee. (January 2016 - August 2018).  
Committee Member, Intercollegiate Athletics Council. (September 2015 - August 2018).  
Judge, 13th Pathways Symposium. (November 2016).  
Committee Member, International Education Council. (September 2013 - July 2015).  
Committee Member, Graduate Council. (September 2012 - July 2015).  
Committee Member, Council of Principal Investigators and Research Assistants. (September 2014 - June 2015).  
Committee Member, Title V-Graduate Programs Advisory Committee. (2009 - 2013).  
Committee Member, CBI Planning Task Force. (April 2012 - March 2013).  
LSAMP Poster Judging. (February 2012).  
Committee Member, Ad Hoc committee to revise Graduate Studies website. (2011).  
Judge for Graduate Student Association Scholarly Works Symposium. (2010).  
Faculty Mentor, McNair Mentor. (2009 - 2010).  
Judge for Graduate Student Association Scholarly Works Symposium. (2009).  
Task Force Member, Smoking Policy Committee. (2008 - 2009).  
Judge for Graduate Student Association Scholarly Works Symposium. (2008).  
University Senate Service, Faculty Senate, Budget Committee. (2007 - 2008).  
University Senate Service, Faculty Senate. (2006 - 2008).  
Faculty Mentor, ARS Mentor. (2006 - 2007).  
University Senate Service, Faculty Senate, Awards, Bylaws and Elections Committee. (2006 - 2007).  
Faculty Mentor, COAST Mentor. (2005).  
Guest Speaker, Faculty Renaissance Center Brown Bag Seminar on "Experiences \& Opportunities in Interdisciplinary Collaboration. (March 2005 - 2005).  
Task Force Member, Momentum 2015, Excellence Task Force. (2005).



## Professional

Committee Member, Motion in Games 2016 Program Committee. (2016).  
Committee Member, Image and Vision Computing New Zealand 2016 program committee. (July 2016 - August 2016).  
Committee Member, Computer Animation and Social Agents 2016 program committee. (January 2016 - February 2016).  
Reviewer, Journal Article, Journal of Real-time Image Processing. (December 2015 - February 2016).  
Committee Member, Image and Vision Computing New Zealand 2015 program committee. (July 2015 - August 2015).  
Committee Member, Computer Animation and Social Agents 2015 program committee. (January 2015 - February 2015).  
Reviewer, Journal Article, Journal of Real-time Image Processing. (December 2014 - January 2015).  
Reviewer, Journal Article, Computer Animation and Virtual Worlds. (September 2014 - October 2014).  
UPINLBS 2014 Program Committee. (March 2014 - September 2014).  
Committee Member, Image and Vision Computing New Zealand 2014 program committee. (July 2014 - August 2014).  
Reviewer, Journal Article, Journal of Real-time Image Processing. (May 2014 - June 2014).  
Computer Animation and Social Agents 2015 program committee. (January 2014 - February 2014).  
Conference-Related, Image and Vision Computing New Zealand 2013 Program Committee. (June 2013 - October 2013).  
Committee Member, Computer Animation and Social Agents 2013 Program Committee. (January 2013 - March 2013).  
Reviewer, Journal Article, IEEE Transactions on Visualization and Computer Graphics. (2012).  
Reviewer, Grant Proposal, The Netherlands Organisation for Scientific Research. (2012).  
Conference-Related, Image and Vision Computing New Zealand 2012 Program Committee. (August 2012 - October 2012).  
Conference-Related, Computer Animation and Social Agents 2012 International Program Committee. (October 2011 - February 2012).  
Reviewer, Grant Proposal, Canada Foundation for Innovation. (2011).  
Conference-Related, Computer Animation and Social Agents 2011 Program Committee. (2011).  
Reviewer, Conference Paper, Computer Animation and Social Agents 2011. (2011).  
Reviewer, Journal Article, Computer Graphics Forum. (2011).  
Judge, HEB Developer Challenge. (2011).  
Reviewer, Journal Article, IEEE Transactions on Visualization and Computer Graphics. (2011).  
Conference-Related, Image and Vision Computing New Zealand 2011 Program Committee. (2011).  
Reviewer, Conference Paper, IVCNZ 2011. (2011).  
Reviewer, Conference Paper, MIG 2011. (2011).  
Conference-Related, Motion in Games 2011 Program Committee. (2011).  
Reviewer, Grant Proposal, Research Grant Council of Hong Kong. (2011).  
Reviewer, Journal Article, The Visual Computer. (2011).  
PhD Dissertation Examiner, University of Otago. (2011).  
Session Chair, Games and Entertainment Technology 2011. (July 2011).  
Conference-Related, Computer Animation and Social Agents 2010 Program Committee. (2010).  
Conference-Related, Image and Vision Computing New Zealand 2010 Program Committee. (2010).  
Conference-Related, Motion in Games 2010 Program Committee. (2010).  
Conference-Related, Computer Animation and Social Agents 2009 Executive Committee. (2009).  
Conference-Related, Computer Graphics International 2009 Program Committee. (2009).

Conference-Related, Image and Vision Computing New Zealand 2009 Program Committee. (2009).

Conference-Related, Motion in Games 2009 Program Committee. (2009).

Conference-Related, Scientific Committee, Image Vision Computing New Zealand 2008. (2008).

Conference-Related, Computer Animation and Social Agents 2007 Program Committee. (2007).

Conference-Related, Image and Vision Computing New Zealand 2007 Program Committee. (2007).

Conference-Related, Computer Animation and Social Agents 2006 Program Committee. (2006).

Conference-Related, Image and Vision Computing New Zealand 2006 Program Committee. (2006).

Conference-Related, Graphite 2005 Program Committee. (2005).

Conference-Related, Image and Vision Computing New Zealand 2005 Program Committee. (2005).

Conference-Related, Computer Animation and Social Agents 2004 Program Committee. (2004).

Conference-Related, Fuse (New Zealand Game Developer Conference) 2004 Conference Committee. (2004).

Editor, Conference Proceedings, New Zealand Game Developers Conference Fuse2004. (2004).

Conference-Related, Pacific Graphics 2004 Program Committee. (2004).

Conference-Related, SIGGRAPH 2003 International Committee. (2003).

Conference-Related, SIGGRAPH 2002 International Committee. (2002).

Conference-Related, SIGGRAPH Pathfinders. (2001).