

ADITI MAJUMDER

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Irvine, CA 92697-3425 URL: <http://www.cs.unc.edu/~majumder>

- Areas Of Interest** Multi-Projector Displays, Visualization, Computer Graphics, Computer Vision, Image Processing, Human Perception, Virtual Reality, Human Computer Interaction, Visualization Tools.
- Education** University of North Carolina at Chapel Hill
PhD in Computer Science (1996- 2003).
Thesis: *A Practical Framework to Achieve Perceptually Seamless Multi-Projector Displays*
- Jadavpur University, Calcutta, India
B.E in Computer Science and Engineering (1992-1996)
Silver Medalist in the Engineering Faculty for Overall Academic Performance in Senior Years (1994-1996)
Gold Medalist in the Engineering Faculty for Overall Academic Performance in Junior Years (1992-1994)
- Experience** **Associate Professor** (2008-Present)
Department of Computer Science, UC-Irvine
- Assistant Professor** (2003-2008)
Department of Computer Science, UC Irvine
- Student Research Fellow** (2001-2003)
Mathematics and Computer Science Division, Argonne National Laboratory
- Givens Associate** (Summer 2001)
Mathematics and Computer Science Division, Argonne National Laboratory
- Graduate Student Fellow** (Summer 1999)
Bell Laboratories, Holmdel, NJ
- Graduate Student Researcher** (1998-2001)
Department of Computer Science, UNC Chapel Hill
- Courses/Tutorials/
Panels** Aditi Majumder and Behzad Sajadi
Building your own Projection Based VR Display System,
Course Organizer, IEEE Virtual Reality, March 2010
- Invited Author/Speaker on Large Format Displays**
Projectors for Graphics,
ACM SIGGRAPH, 2008 (Course Organizer: Ramesh Raskar, Oliver Bimber)
- Invited Panelist**
The Future of Projector-Camera Systems
IEEE International Workshop on Projector-Camera Systems (PROCAMS), 2008
- Aditi Majumder and Michael S. Brown,
Camera-Based Vision Techniques to Build Large-Area Multi-Projector Displays
Course Organizer, IEEE International Conference on Computer Vision and Pattern Recognition, June 2005
- Aditi Majumder and Michael S. Brown,
Camera-Based Techniques for Building Large-Area Multi-Projector Displays
Course Organizer, ECCV (European Conference on Computer Vision), May 2004
- Aditi Majumder and Michael S. Brown,
Building Large Area Displays
Course Organizer, Eurographics, September 2003
- Aditi Majumder and Michael S. Brown,
Large-Scale Displays for the Masses: Techniques for Building Affordable and Flexible Multi-Projector Displays
Course Organizer, ACM SIGGRAPH, July 2003

Publications

Book

- B1. Aditi Majumder, Michael S. Brown, " Practical Multi-Projector Display Design", A. K. Peters, August, 2007

Book Chapters

- E2. Aditi Majumder, "Ubiquitous Displays", *Distributed Video Sensor Networks*, Edited By B. Bhanu, C.V. Ravishankar, A. K. Roy Chowdhury, H. Aghajan, D. Terzopolous, 2011
- E1. Aditi Majumder, "Computer Graphics Optique: Optical Superposition of Projected Computer Graphics", *Energy Simulation-Training, Ocean Engineering and Instrumentation, Research Papers of Link Foundation Fellows, Volume 2*, Brian J. Thompson (Ed.).

Refereed Journal Articles

- J17. Alvin J. Law, Daniel Aliaga, Zygmunt Pizlo, Behzad Sajadi, Aditi Majumder, Perceptually Based Appearance Modification for Complaint Appearance Editing, *Computer Graphics Forum*, 2011.
- J16. Behzad Sajadi, Aditi Majumder, Kazuhiro Hiwada, Atsuto Maki, Ramesh Raskar, Switchable Primaries Using Shiftable Layers of Color Filter Arrays, *ACM Transactions on Graphics*, 2011.
- J15. Behzad Sajadi, Aditi Majumder, "Automatic Registration of Multi-Projector Domes Using a Single Uncalibrated Camera", *Computer Graphics Forum*, 2011.
- J14. Behzad Sajadi, Aditi Majumder, "Auto-Calibrating Projectors for Tiled Displays On Piecewise Smooth Vertically Extruded Surfaces", *IEEE Transactions on Visualization and Computer Graphics*, 2011.
- J13. Pablo Roman, Maxim Lazarov, Aditi Majumder, "A Scalable Distributed Paradigm for Multi-User Interaction with Tiled Rear Projection Display Walls", *IEEE Transactions on Visualization and Computer Graphics*, 16 (6), 2010 [26% acceptance].
- J12. Alvin J. Law, Daniel Aliaga, Aditi Majumder, "Projector Placement Planning for High Quality Visualizations on Real World Colored Objects", *IEEE Transactions on Visualization and Computer Graphics*, 16(6), 2010 [26% acceptance]
- J11. Behzad Sajadi, Aditi Majumder, "Scalable Multi-View Registration for Multi-Projector Displays on Vertically Extruded Surfaces", *Computer Graphics Forum*, 29(3), pp.1063-1072, 2010 [30.5% acceptance].
- J10. Behzad Sajadi, Aditi Majumder, "Markerless View-Independent Registration of Multiple Distorted Projectors on Extruded Surfaces Using an Uncalibrated Camera", *IEEE Transactions on Visualization and Computer Graphics*, 15(6), pp. 1307-1316, 2009. [26% acceptance]
- J9. Behzad Sajadi, Maxim Lazarov, M. Gopi, Aditi Majumder, "Color Seamlessness in Multi-Projector Displays Using Constrained Gamut Morphing", *IEEE Transactions on Visualization and Computer Graphics*, 15(6), pp. 1317-1326, 2009. [26% acceptance]
- J8. Aditi Majumder, Ezekiel Bhasker, Ray Juang, "Advances towards high-resolution pack-and-go displays: A survey", *Journal for the Society of Information Display (JSID), Special Issue for Selected papers from SID Symposium*, 16(3), pp. 481-491, 2007. [7% acceptance]
- J7. Ezekiel Bhasker, Ray Juang, Aditi Majumder, "Registration Techniques for Using Imperfect and Partially Calibrated Devices in Planar Multi-Projector Displays", *IEEE Transactions on Visualization and Computer Graphics (TVCG)*, 13(6), pp. 1368-1375, 2007.
- J6. Aditi Majumder, Sandra Irani, "Perception Based Contrast Enhancement of Images", *ACM Transactions on Applied Perception*, Vol. 4, No. 3, Article 17, November 2007 .
- J5. Ezekiel Bhasker, Pinaki Sinha, Aditi Majumder, "Asynchronous Distributed Calibration for Scalable and Reconfigurable Multi-Projector Displays", *IEEE Transactions on Visualization and Computer Graphics*, 12(5), pp 1101-1108, 2006.

- J4. Aditi Majumder, M. Gopi, "Modeling Color Properties of Tiled Displays", *Computer Graphics Forum* Vol. 24, No. 2, pp 149-163, June, 2005.
- J3. Michael Brown, Aditi Majumder, Ruigang Yang, "Camera Based Calibration Techniques for Seamless Multi-Projector Displays", *IEEE Transactions on Visualization and Computer Graphics*, Vol. 11, No. 2, pp 193-206, March-April, 2005
- J2. Aditi Majumder, Rick Stevens, "Perceptual Photometric Seamlessness in Projection-Based Tiled Displays", *ACM Transactions on Graphics*, Vol. 24, No. 1, pp 118-139, January 2005.
- J1. Aditi Majumder, Rick Stevens, "Color Non-Uniformity in Projection Based Displays: Analysis and Solutions", *IEEE Transactions on Visualization and Computer Graphics*, Vol. 10, No. 2, pp 177-188, March-April, 2004.

Refereed Conference/Workshop Publications

- C41. Kiarash Amiri, Shih-Hsien Yang, Fadi Kurdahi, Magda El-Zarki, Aditi Majumder, Camera Based Video Synchronization for a Federation of Mobile Projectors, *IEEE/ACM Workshop on Projector Camera Systems, June 2011* [30% acceptance].
- C40. Behzad Sajadi, Aditi Majumder, Kazuhiro Hiwada, Atsuto Maki, Ramesh Raskar, Switchable Primaries Using Shiftable Layers of Color Filter Arrays, *ACM SIGGRAPH, August 2011*, [18% acceptance] (Same as J16).
- C39. Behzad Sajadi, Aditi Majumder, "Automatic Registration of Multi-Projector Domes Using a Single Uncalibrated Camera", *IEEE EuroVis, June, 2011*, [26% acceptance](Same as J15).
- C38. Koel Das, Monica Siegenthaler, Aditi Majumder, Hans Keirstead, M. Gopi, "Automated Analysis of Remyelination Therapy for Spinal Cord Injury", *International Conference on Computer Vision, Graphics and Image Processing, Chennai, India, December 2010* [27% acceptance].
- C37. Behzad Sajadi, Aditi Majumder, "Automatic Registration of Multiple Projectors on Swept Surfaces", *ACM Virtual Reality and Software Technology, Hong Kong, November 2010* [25% acceptance].
- C36. Pablo Roman, Maxim Lazarov, Aditi Majumder, "A Scalable Distributed Paradigm for Multi-User Interaction with Tiled Rear Projection Display Walls", *IEEE Visualization, Salt Lake City, October, 2010* [26% acceptance] (Same as J13).
- C35. Alvin J. Law, Daniel Aliaga, Aditi Majumder, "Projector Placement Planning for High Quality Visualizations on Real World Colored Objects", *IEEE Visualization, Salt Lake City October 2010* [26% acceptance] - Collaboration with Purdue University [25% contributor] - (Same as J12).
- C34. Behzad Sajadi, Maxim Lazarov, Aditi Majumder, "ADICT: Accurate Direct and Inverse Color Transformation", *European Conference on Computer Vision (ECCV), Crete, Greece, September 2010* [27% acceptance].
- C33. Aditi Majumder, Robert G. Brown, Hussein S. El-Ghoroury, "Display Gamut Reshaping for Color Emulation and Balancing", *IEEE/ACM Workshop on Projector-Camera Systems, San Francisco, June 2010*, **Best Paper Award** [33% acceptance]
- C32. Maxim Lazarov, Aditi Majumder, "Device-Independent Representation of Photometric Properties of a Camera", *IEEE/ACM Workshop on Projector-Camera Systems, San Francisco, June 2010* [33% acceptance].
- C31. Behzad Sajadi, Aditi Majumder, "Scalable Multi-View Registration for Multi-Projector Displays on Vertically Extruded Surfaces", *EG/IEEE VGTC Symposium on Visualization (EUROVIS), Bourdeaux, France, June 2010*, [30.5% acceptance] (Same as J11).
- C30. Behzad Sajadi, Aditi Majumder, "Auto-Calibration of Cylindrical Multi-Projector Systems", *Proceedings of IEEE Virtual Reality, Waltham, MA, March 2010*, **Best Paper Award** [25% acceptance].
- C29. Behzad Sajadi, Aditi Majumder, "Markerless View-Independent Registration of Multiple Distorted Projectors on Extruded Surfaces Using an Uncalibrated Camera", *IEEE Visualization, Atlantic City, NJ, October 2009*, **Runner Up for Best Paper Award**, [26% acceptance] (Same as J10).

- C28. Behzad Sajadi, Maxim Lazarov, Aditi Majumder, M. Gopi "Color Seamlessness in Multi-Projector Displays Using Constrained Gamut Morphing", *IEEE Visualization, Atlantic City, NJ, October 2009* [26% acceptance] (Same as J9).
- C27. Maxim Lazarov, Hamed Pirsiavash, Behzad Sajadi, Uddipan Mukherjee, Aditi Majumder, "Data Handling Displays", *IEEE/ACM Workshop on Projector Camera Systems, Miami, FL, June, 2009*, [33% acceptance].
- C26. Behzad Sajadi, Aditi Majumder, "P-35:Maintaining Color Consistency Across Non-Linear Devices," *SID Symposium Digest of Technical Papers, San Antonio, TX, May 2009*.
- C25. Hamed Pirsiavash, Vivek Singh, Aditi Majumder, Ramesh Jain, "Shared Visualization Spaces for Environment to Environment Communication", *Workshop on Media Arts, Science, and Technology (MAST), Santa Barbara, CA, Jan 2009*.
- C24. Ezekiel Bhasker, Ray Juang, Aditi Majumder, "Advances Towards Next Generation Flexible Multi-Projector Displays", *ACM Siggraph Workshop on Emerging Display Technologies, San Diego, August, 2007*.
- C23. Ezekiel Bhasker, Ray Juang, Aditi Majumder, "Registration Techniques for Using Imperfect and Partially Calibrated Devices in Planar Multi-Projector Displays", *Proceedings of IEEE Visualization, Sacramento, October, 2007*, [23% acceptance] (Same as J7).
- C22. Ezekiel Bhasker, Aditi Majumder, "Geometric Modeling and Calibration of Planar Multi-Projector Displays Using Rational Bezier Patches", *IEEE CVPR Workshop on Projector Camera Systems, Minneapolis, Minnesota, June 2007* [40% acceptance].
- C21. Ray Juang, Aditi Majumder, "Photometric Self-Calibration of a Projector-Camera System", *IEEE CVPR Workshop on Projector Camera Systems, Minneapolis, Minnesota, June 2007* [40% acceptance].
- C20. Ezekiel Bhasker, Aditi Majumder, " Self Calibrating Tiled Displays", *SID Symposium Digest of Technical Papers, Long Beach, May, 2007* [13% acceptance]
- C19. Ezekiel Bhasker, Pinaki Sinha, Aditi Majumder, "Asynchronous Distributed Calibration for Scalable Reconfigurable Multi-Projector Displays", *Proceedings of IEEE Visualization, pp 1101-1108, Baltimore, November 2006* [27% acceptance] (Same as J5)
- C18. Pinaki Sinha, Ezekiel Bhasker, Aditi Majumder, "Mobile Display Via Distributed Networked Projector-Camera Systems", *IEEE CVPR Workshop on Projector Camera Systems, New York, June 2006* [30% acceptance].
- C17. Aditi Majumder, Sandra Irani "Contrast Enhancement of Images Using Human Contrast Sensitivity" *ACM Symposium on Applied Perception in Graphics and Visualization, pp 69-76, Boston, July 2006* [35% acceptance].
- C16. Aditi Majumder, "Luminance Management for Seamless Multi-Projector Displays", *SID Symposium Digest of Technical Papers, Volume 36, Issue 1, pages 1506-1509, Boston, May 2005* [10% acceptance].
- C15. Kartic Subr, Aditi Majumder, Sandra Irani, "Greedy Algorithm for Local Contrast Enhancement of Images", *International Conference on Image Analysis and Processing (ICIAP), pp 171-179, Cagliari, Italy, September, 2005* [15% acceptance].
- C14. Aditi Majumder, "Contrast Enhancement of Multi-Displays Using Human Contrast Sensitivity", *IEEE International Conference on Computer Vision and Pattern Recognition (CVPR), pp 377-382, San Diego, June, 2005*. [16% acceptance]
- C13. Aditi Majumder, "Is Spatial Super-Resolution Feasible with Multiple Overlapping Projectors?", *Proceedings of IEEE International Conference on Audio, Speech and Signal Processing (ICASSP), Vol. 4 pp 209-212, Philadelphia, 2005*. [27% acceptance]
- C12. Aditi Majumder, "Camera Based Evaluation of Photometric Compensation Methods on Multi-Projector Displays ", *Proceedings of IEEE International Conference on Image Processing, pp 3527-3530, Singapore, 2004* [25% acceptance].
- C11. Michael S. Brown, Aditi Majumder, Ruigang Yang, "Camera Based Calibration Techniques for Seamless

Multi-Projector Displays", *Applications of Computer Vision Workshop, Proceedings of European Conference of Computer Vision, 2004*. [40% acceptance]

- C10. Aditi Majumder, David Jones, Matthew McCrory, Michael E Papka, Rick Stevens, "Using a Camera to Capture and Correct Spatial Photometric Variation in Multi-Projector Displays", *IEEE International Workshop on Projector-Camera Systems, 2003* [33% acceptance].
- C9. Andrew Rajj, Gennette Gill, Aditi Majumder, Herman Towles, Henry Fuchs, "PixelFlex2: A Comprehensive, Automatic, Casually-Aligned Multi-Projector Display" *IEEE International Workshop on Projector-Camera Systems, 2003* [33% acceptance].
- C8. Aditi Majumder and Rick Stevens, "Photometrically Continuous Imagery in Reconfigurable Large Area Displays", *3rd Annual High Information Content Display System Symposium, 2003* [25% acceptance].
- C7. Aditi Majumder and Rick Stevens, "LAM: Luminance Attenuation Map for Photometric Uniformity Across Projection Based Displays", *ACM Virtual Reality Software and Technology, pp 147-154, 2002* [25% acceptance]
- C6. Justin Binns, Gennette Gill, Mark Hereld, David Jones, Ivan Judson, Ti Leggett, Aditi Majumder, Matthew McCroy, Michael E. Papka, and Rick Stevens, "Applying Geometry and Color Correction to Tiled Display Walls" (Poster), *IEEE Visualization, 2002* [40% acceptance].
- C5. Aditi Majumder, "Properties of Color Variation Across Multi-Projector Display", *SID Eurodisplay Digest, pp 807-810, Nice, France, July, 2002* [30% acceptance].
- C4. Aditi Majumder and M. Gopi, "Real Time Charcoal Rendering Using Contrast Enhancement Operators", *Symposium of Non Photorealistic Animation and Rendering, pp 59-66, Annecy, France, June, 2002* [45% acceptance].
- C3. Aditi Majumder and Greg Welch, "Computer Graphics Optique: Optical Superposition of Projected Computer Graphics", *Eurographics Workshop on Virtual Environments/ Immersive Projection Technology Stuttgart, Germany, May 2001*. [40% acceptance]
- C2. Aditi Majumder, Zhu He, Herman Towles and Greg Welch, "Achieving Color Uniformity Across Multi-Projector Displays", *IEEE Visualization, pp 117-124, Salt Lake City, October, 2000*. [34% acceptance]
- C1. Aditi Majumder, M. Gopi, Brent W. Seales and Henry Fuchs, "Geometric Stitching for Real-Time Panoramic Image Generation Using Texture Maps", *ACM Multimedia, pp 169-178, Orlando, October, 1999* [18% acceptance].

Technical Reports

- T3. Ray Juang, Maxim Lazarov, Aditi Majumder, "Efficient Estimation and Device-Independent Representation of Photometric Properties of a Projector-Camera Pair", *Technical Report UCI, 08-11, 2008*
- T2. Behzad Sajadi, Aditi Majumder, "Smoothing Spatial Chrominance Variation Across Tiled Displays", *Technical Report UCI, 08-04, 2008*
- T1. Aditi Majumder, Robert Brown, Hussein El Ghoroury "Display Gamut Reshaping for Color Emulation and Balancing", *Technical Report UCI 08-04, 2008*

System Demonstration

- S1. Jakub Segen, Aditi Majumder, Senthil Kumar and Joshua Gluckman, "Virtual Music and Dance Controlled by the Gestures of a Human Conductor", *Emerging Technologies, ACM SIGGRAPH 1999*.

Patents/Artifacts

- P8. Behzad Sajadi, Aditi Majumder, "Automatic Registration of Multiple Projectors on a Dome or Partial Dome", US Patent Provisional.
- P7. Aditi Majumder, Kiarash Amiri, Shih-Hsien Yang, Magda El Zarki, Fadi Kurdahi, "Camera Based Video Synchronization of a Federation of Pico-Projectors", US Patent Provisional (UC Case No. 2011-860-1).
- P6. Behzad Sajadi, Aditi Majumder, "An Accurate Direct And Inverse Color Transfer Function", US Patent Pending (UC Case No. 2009-607-1).
- P5. Aditi Majumder, M. Gopi, Behzad Sajadi, "Color Seamlessness in Tiled Displays", US Patent

Pending (UC Case No. 2009-608-1).

- P4. Behzad Sajadi, Aditi Majumder, "Markerless Geometric Registration Of Multiple Projectors (With Or Without Distortions) On Cylindrical And Other Extruded Surfaces Using An Uncalibrated Camera", US Patent Pending (UC Case No. 2009-606-1).
- P3. Aditi Majumder, Ezekiel Bhasker and Pinaki Sinha, "Apparatus and Method for Self Calibrating Multi-Projector Displays Via Plug and Play Projectors", United States Patent 7,942,530.
- P2. Aditi Majumder and Rick Stevens, "Method to Smooth Photometric Variation Across Multi-Projector Displays", United States Patent 7,038,727.
- P1. Aditi Majumder and Rick Stevens, "Optimal Luminance Smoothing to Achieve Color Seamlessness in Tiled Displays", Software artifact, Copyright June 10, 2005 (ANL software report ANL-SF-02-053)

Awards

- A11. *nVidia Academic Partner*, 2011, nVidia.
- A10. *Midcareer Research Award*, 2011, ICS, UCI.
- A9. *Best Paper Award*, June, 2010, IEEE/ACM Workshop on Projector Camera Systems.
- A8. *Best Paper Award*, March, 2010, IEEE Virtual Reality.
- A7. *Faculty Research Incentive Award*, 2009, ICS, UCI.
- A6. *Runner Up for Best Paper Award*, October, 2009, IEEE Visualization.
- A5. *NSF CAREER Award*, 2009.
- A4. *Young Scientist of the Year*, 2002, Argonne National Laboratory.
- A3. *Wallace Givens Fellow*, Summer 2001, Argonne National Laboratory.
- A2. *Link Fellow*, 2000 – 2001.
- A1. *Jagadish Bose National Science Talent Scholar (JBNSTS)*, India, 1992 – 1996.

Publicity Releases

CAREER Grant to Fund Ubiquitous Displays, Calit2 Newsroom, October 2009.
Coming Together At The Seams: Picture Perfect Projection, Calit2 Interface Magazine, Winter 2007.

Invited Talks

Keynote Speaker, International Symposium on Visual Computing, Las Vegas, Dec 2010.
Johannes Kepler University, Department of Computer Science, Linz, Austria, May 2010.
National University of Singapore, Computer Science Department, Singapore, Sep 2009
University of California – Los Angeles, Department of Computer Science, Oct 2008
Rochester Institute of Technology, Munsell Color Science Laboratory, Center for Imaging Science, Sep 2008
Yale University, Computer Science Department, Sep 2008
University of Utah, Scientific Computing and Imaging Institute, Sep 2008
University of California, Davis, SciDAC Institute for Ultrascale Visualization, Jun 2008
Northwestern University, EECS Department, May 2008
University of Maryland at College Park, Computer Science Dept, May 2008
Purdue University, Computer Science Dept, May, 2008
Jadavpur University, Kolkata, India, Dec 27, 2007.
MIT Media Labs, Cambridge, May 27, 2005.
Mitsubishi Electric Research Laboratory (MERL), Cambridge, May 27, 2005.
MICS Seminar at Department of Energy (DOE), Washington DC, Feb 25, 2004
University of Maryland at College Park, Computer Science Dept, October 2003.
Surgical Simulation Center, Washington DC, October 2003.
Indian Institute of Technology (IIT), Kharagpur, India, October, 2003.

Research Grants

- G6. Co-Primary Investigator, NSF EAGER: REAQTIVE - Resource Aggregation and Quality Tradeoffs for Integration of Video projector Ensembles, 2010-2011, \$100,000 [Other Co-PIs: Magda El Zarki and Fadi Kurdahi].
- G5. **Sole Primary Investigator**, NSF CAREER AWARD: Ubiquitous Displays Via a Distributed Framework, 2009-2013, \$637,000.
- G4. **Sole Primary Investigator**, NSF SGER: Analysis of Solution Space for Achieving Ubiquitous Pixels, 2007-2008, \$70,000.
- G3. **Sole Primary Investigator**, UCI COLCLR Travel Grant, 2006-2007, \$3000.
- G2. **Sole Primary Investigator**, UCI COLCLR Travel Grant, 2005-2006, \$3000.
- G1. **Senior Investigator**, "An IT Infrastructure for Responding to the Unexpected", NSF 446617-21857, 2004-2009, \$1,801,590.

Equipment Grants D5. nVidia 46 GPU donation for CUDA Teaching Center Facility, 2011, \$14,000
D4. nVidia GPU donation, 2011, \$16,000
D3. Canon Projector Donation, 2009, \$9,000
D2. Epson Projector Donation, 2008, \$9,600
D1. Canon Camera Donation, 2008, \$2000

Industrial Collaborations I3. **Advisory Consultant**, Disney Imagineering, Glendale, May 2009 - May 2010
I2. **Advisory Board Member**, Ostendo Technologies, Carlsbad, 2005 - 2008
I1. **Consultant**, Ostendo Technologies, Carlsbad, 2005 - 2007
Development of first multi-projector curved screen desktop, coming to market in 2009
<http://www.youtube.com/watch?v=3ndH8yPHopI>

Professional Activities **Program Co-Chair**
IEEE Virtual Reality (VR), Singapore, March, 2011.

Program Chair
IEEE/ACM Workshop on Projector Camera Systems (PROCAMS), Miami, June 2009.

General Co-Chair
ACM Virtual Reality Software and Technology (VRST), Irvine, November 2007.

Program Co-Chair
IEEE CVPR Workshop on Projector Camera Systems (PROCAMS), San Diego, June, 2005.

Session Chair
IEEE CVPR Workshop on Projector Camera Systems (PROCAMS), June, 2007.
IEEE CVPR Workshop on Projector Camera Systems (PROCAMS), June, 2006.

Program Committee
IEEE Visualization, October, 2011.
IEEE Virtual Reality, March 2011.
IEEE/ACM SIGGRAPH Workshop on Projector Camera Systems (PROCAMS), June, 2010
IEEE/ACM SIGGRAPH Workshop on Projector Camera Systems (PROCAMS), June, 2009
IEEE/ACM SIGGRAPH Workshop on Projector Camera Systems (PROCAMS), August, 2008
ACM Virtual Reality Software and Technology, Irvine, November 2007
IEEE CVPR Workshop on Projector Camera Systems (PROCAMS), June, 2007
IEEE CVPR Workshop on Projector Camera Systems (PROCAMS), June, 2006
IEEE CVPR Workshop on Projector Camera Systems (PROCAMS), June, 2005

Reviewer
ACM Transactions on Graphics (TOG)
IEEE Transactions on Visualization and Computer Graphics (TVCG)
IEEE Computer Graphics and Application
IEEE Computer Vision and Pattern Recognition (CVPR)
Journal of Electronic Imaging
International Journal of Image and Graphics
Eurographics
Computer Graphics Forum
Eurographics Symposium on Rendering
ACM Siggraph
IEEE Visualization
ACM Symposium on User Interface Software and Technology
International Journal of Computer Vision
Computer Aided Geometric Design
IEEE and ACM International Symposium on Mixed and Augmented Reality

Service to School/Dept **Member** of Student Outreach, Access and Retention Committee, 2010
Member of Faculty Recruitment Committee, 2007
Member of Graduate Admissions Committee, 2006 – 2008

Demos and Presentations of the Multi-Projector Display
Candidates Day 2006
Video Presentation during Dedication Day of Bren Hall, 2007
Faculty Candidates, 2007
Several academic/industry visitors hosted by Calit2

**New Course
Development**

Undergraduate Course on Digital Image Processing (CS 111)
Graduate Course on Visual Computing (CS 211A)
Graduate Course on Visual Perception (CS 213)

**Advisory
Activities**

Graduated Students

Ray Juang (M.S. - Summer 2007)
Anna Diez (M.S. - Spring 2009)
Mitsunubo Sugimoto (M.S. - Spring 2009)
Pablo Roman (M.S. - Spring 2010)
Maxim Lazarov (M.S. - Summer 2010)

Graduate Student Advisee

Behzad Sajadi (2007 - Present)
Uddipan Mukherjee (2008 - 2009)
Ankit Gupta (2008 - 2009)
Ezekiel Bhasker (2006 - 2007)
Pinaki Sinha (2005 - 2006)

Undergraduate Student Advisee

Kitty Ho (2009-2010)
Christopher Larsen (2009 - 2010)
Jason Kim (2004 - 2005)
Christopher Larson (SURF-IT fellowship for summer 2006)
Maxim Lazarov (SURP Fellowship for summer 2007, 2007- 2008)

PhD Candidacy Committee

Sangwon Chae
Kiarash Amiri
Shan Jiang
Uddipan Mukherjee
Hamed Pirsiavash
Ish Rishabh
Vidya Balasubramanian
Gautam Chaudhary (EECS)
Koel Das (EECS)
Pablo Diaz-Gutierrez (ICS)
Kartic Subr (ICS)

PhD Dissertation Committee

Pablo Diaz-Gutierrez (ICS)
Tien Bau (EECS)