# Curriculum Vitae


## Dvijesh J. Shastri

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## Education

- **University of Houston**, Houston, Texas **01/2002 – 08/2007**
  **Ph.D.,** in Computer Science
- **Wright State University**, Dayton, Ohio **01/1999 – 03/2001**
  **M.S.,** in Computer Science
- **Sardar Patel University**, Gujarat, India **09/1993 – 09/1997**
  **B.S.,** in Electrical Engineering

## Research Interests

Affective Computing, Human Centered Computing, Mobile Computing

## Employment

- **University of Houston – Downtown**, Houston, TX **09/2011 – Present**
  **Assistant Professor**, Department of Computer Sciences and Engineering Technology
  Primarily, I am involved in teaching computer science courses, and mentoring undergraduate students.
- **University of Houston – Main**, Houston, TX **01/2012 – Present**
  **Adjunct Research Assistant Professor**, Department of Computer Science
  This adjunct position allows me to pursue research collaborations. I have been co-mentoring masters and doctoral students.
- **University of Houston – Main**, Houston, TX **09/2007 – 09/2011**
  **Research Assistant Professor**, Computational Physiology Lab
  I carried out research in physiological stress analysis. Apart from research, my duties included interacting with the funding agencies such as the DOD, teaching interdisciplinary courses, and mentoring undergraduate and graduate students.
- **GE-Global Research Center**, Niskayuna, N **05/2006 – 08/2006**
  **Intern**, Visualization and Imaging Lab
  I conducted feasibility studies of human intent detection under outdoor settings where the environmental factors are difficult to control.
- **University of Houston – Main**, Houston, TX **08/2004 – 08/2007**
  **Research Assistant,** Computational Physiology Lab
  My doctoral dissertation focused on human stress analysis and its application in lie detection. My research was supported by the DOD grants/contracts.
- **University of Houston – Main**, Houston **08/2003 – 12/2006**
  **Research Assistant,** Optometry Department
  I was involved in software development of clinical applications for vision scientists.

## Grants and Contracts

**Funded (Total amount $563,350)**

1. PI: **Dvijesh Shastri**, **Faculty Development Fund UHD**, *Revising the Mobile Computing Course*, $5,800, Fall 2015 – Spring 2016.
2. PI: **Dvijesh Shastri**, **Organized Research and Creative Activity UHD**, *Understanding the Role of Medication in Human Performance*, $8350, Spring 2015 – Spring 2016.
3. PI: **Dvijesh Shastri**, **Faculty Development Fund UHD**, *Development of Information Visualization Course*, $6,700, Fall 2014 – Spring 2015.
4. PI: Shengli Yuan, Senior Personals: **Dvijesh Shastri**, Hong Lin. **NSF**. *Research Experiences for Undergraduates (REU)*, $300,000, Summer 2013- Summer 2015.
5. **NSF** Travel Award for *CAREER workshop*, $1,000, Mar. 2012.
6. **NSF** Travel Award for *CRA - Career Mentoring workshop*, $1,500, Feb. 2012.
7. PI: Ioannis Pavlidis, CO-PI: **Dvijesh Shastri**, **DOD**, *Spectral Imaging Sensor for Improved Biometric and Human Intent Analysis*, $240,000, Aug. 2010 - Dec. 2012.

**Pending (Total amount $3.1M)**

1. PI: Mary Jo Parker, Co-PI: Mian Jiang, Jon Aoki, **Dvijesh Shastri**, and Rebecca Quander. **NSF**. *UHD STEM Development Center for Underserved Success*, $2,492,533 for 3 years. Submitted in April, 2015.
2. PI: Mary Jo Parker, Co-PI: Weining Feng, **Dvijesh Shastri**, and Arash Rahmatian. **NASA NSPIRES**. *UHD Minority Research Center for Robotic Automation and Outreach (MCRAO)*, $593,091 for 3 Years. Submitted in February, 2015.

## Research Activities (**Total citations:** 235, **h-index:** 7 by Google Scholar)

**Working Papers**

1. **D. Shastri**, D. Currie, M. Dcosta, S. Taamneh, A. Wesley, and I. Pavlidis, "What Sympathetic Responses Can Tell about Children's Performance in Reading", *Journal of Research in Reading*. [Submitting in May 2015]
2. A. Khatri, P. Tsiamyrtzis, I. Uyanik, **D. Shastri**, and I. Pavlidis, "Effects of Prescriptive Design on the Usage of a Walking App", *Proceedings of the Wireless Health 2015 Monitoring to Intervention: Actualizing Precision Medicine*. [Submitted on May 1, 2015]
3. P. Tsiamyrtzis, M. Dcosta, **D. Shastri,** E. Prasad, and I. Pavlidis, "Mobile vs. Conventional Electrodermal Activity Sensing on Various Body Locations", *Science Advances*. [Submitting in June 2015]

**Refereed Publications**

1. I. Uyanik, A. Khatri, D. Majeti, Muhsin Ugur, **D. Shastri**, and I. Pavlidis, "Using Accelerometer Data to Estimate Surface Incline and its Walking App Potential" Proceedings of the 33rd International Conference Extended Abstracts on Human Factors in Computing Systems (***ACM SIGCHI***), pp, Seoul, South Korea, April 18-23, 2015. **[Acceptance rate: 45.3%]**
2. M. Dcosta, **D. Shastri**, and I. Pavlidis, "Perinasal Indicators of Malevolence", Doctoral Consortium at The eleventh IEEE International Conference on Automatic Face and Gesture Recognition (***FG***),Ljubljana, Slovenia, May 4-8, 2015.

3. M. Dcosta, **D. Shastri**, R. Vilalta, J. Bargoon, and I. Pavlidis, "Perinasal Indicator of Deceptive Behavior", The eleventh IEEE International Conference on Automatic Face and Gesture Recognition (***FG***), Ljubljana, Slovenia, May 4-8, 2015.
4. K. Kwon, **D. Shastri**, and I. Pavlidis. "Information visualization in affective user studies." *IEEE VIS 2014*, Paris, France, November 9-14, 2014.
5. K. Kwon, **D. Shastri**, and I. Pavlidis "Interfacing information in affective user studies." ACM International Joint Conference on Pervasive and Ubiquitous Computing (***UbiComp***), Seattle, Washington, September 15-17, 2014. [**Acceptance rate: 75%]**
6. **D. Shastri**, M. Papadakis, P. Tsiamyrtzis, B. Bass, and I. Pavlidis, "Perinasal Imaging of Physiological Stress and Its Affective Potential", *IEEE Transactions on Affective Computing (**TAFFC**)*, vol. 3, no. 3, July 2012. **[Impact Factor: 3.466**, **Citation: 5]**
7. D. Duong, **D. Shastri**, P. Tsiamyrtzis, and I. Pavlidis, "Spatiotemporal Reconstruction of the Breathing Function", *Proceedings of the 15th International Society and Conference Series on Medical Image Computing and Computer-Assisted Intervention (**MICCAI**)*, Nice, France, October 1-5, 2012. [**Acceptance rate: 31.8%]**
8. I. Pavlidis, P. Tsiamyrtzis, **D. Shastri**, A. Wesley, Y. Zhou, P. Lindner, P. Buddharaju, R. Joseph, A. Mandapati, B. Dunkin, B. Bass, "Fast by Nature – How Stress Patterns Define Human Experience and Performance in Dexterous Tasks" *Nature-Scientific Reports,* March 6, 2012. **[Impact Factor: 5.078, Citation: 13]**
9. P. Buddharaju, **D. Shastri**, A. Mandapati, S. Vaidya and I. Pavlidis, "Who said monitoring is boring?", *Proceedings of the 29th International Conference Extended Abstracts on Human Factors in Computing Systems (**ACM SIGCHI**)*, pp 2041-2046, Vancouver, BC, Canada, May 7-12, 2011. [**Acceptance rate: 42%]**
10. A. Wesley, **D. Shastri**, and I. Pavlidis, "A Novel Method to Monitor Driver's Distractions", *Proceedings of the 28th International Conference Extended Abstracts on Human Factors in Computing Systems (**ACM SIGCHI**)*, pp. 4273-4278, Atlanta, GA, April 10-15, 2010. [**Acceptance rate: 26%, Citation: 10**]
11. **D. Shastri**, Y. Fujiki, R. Buffington, P. Tsiamyrtzis, and I. Pavlidis, "O job can you return my mojo?: Improving human engagement and enjoyment in the routine activities", *Proceedings of the 28th International Conference on Human Factors in Computing Systems (**ACM SIGCHI**),* pp. 2491-2498, Atlanta, GA, April 10-15, 2010. [**Acceptance rate: 22%, Citation: 6**]
12. **D. Shastri**, and I. Pavlidis, "Automatic initiation of the periorbital signal extraction in thermal imagery", *Proceedings of the 6th IEEE International Conference on Advanced Video and Signal Based Surveillance (**AVSS**),* pp. 182-187 Genoa, Italy, September 2-4, 2009. **[Citation: 3]**
13. **D. Shastri**, I. Pavlidis, and A. Wesley "A method for monitoring operator overloading", *Proceedings of Human Computer Interaction International (**HCII**)*, pp. 169-175, San Diego, California, July 19-24, 2009. [**Citation: 2**]
14. **D. Shastri**, A. Merla, P. Tsiamyrtzis, and I. Pavlidis "Imaging facial signs of neurophysiological responses", *IEEE Transactions on Biomedical Engineering (**TBME**)*, vol. 56, no. 2, pp. 477-84, February 2009. [**Impact Factor: 2.33, Citation: 37**]

15. C. Yun, **D. Shastri**, I. Pavlidis, and Z. Deng, "O' game, can you feel my frustration?: Improving user's gaming experience via StressCam", *Proceedings of the 27th International Conference on Human Factors in Computing Systems (**ACM SIGCHI**)*, pp. 2195-2204, Boston, MA, April 4-9, 2009. [**Acceptance rate: 24.5%, Citation: 28**]
16. **D. Shastri**, A. Wesley, and I. Pavlidis, "Contact-free stress monitoring for user's divided attention", in *Human Computer Interaction*, Aleksandar Lazinica, editor, ch. 09, pp. 127-134, I-Tech Education and Publishing, Vienna, Austria, EU, October 2008, ISBN 978-953-7619-19-0. **[Citation: 3]**
17. **D. Shastri**, P. Tsiamyrtzis, and I. Pavlidis, "Periorbital thermal signature extraction and applications", in *Proceedings of the 30th Annual International Conference of the IEEE Engineering in Medicine and Biology Society(**EMBC**)*, pp. 102-105, Vancouver, British Columbia, Canada, August 20-24, 2008. **[Citation: 2]**
18. **D. Shastri**, A. Merla, P. Tsiamyrtzis and I. Pavlidis, "Imaging facial signs of neuro-physiology responses", *Proceedings of the 10th International Society and Conference Series on Medical Image Computing and Computer-Assisted Intervention (**MICCAI**)*, Brisbane, Australia, October 28-November 2, 2007.
19. P. Tsiamyrtzis, J. Dowdall, **D. Shastri,** I. Pavlidis, M.G. Frank and P. Ekman. "Imaging facial physiology for the detection of deceit", *International Journal of Computer Vision (**IJCV**),* vol. 71, no. 2, pp. 197-214, October 2006. [**Impact Factor: 3.62, Citation: 91**]
20. P. Buddharaju, J. Dowdall, P. Tsiamyrtzis, **D. Shastri**, I. Pavlidis and M.G. Frank. "Automatic Thermal Monitoring System (ATHEMOS) for deception detection", in *Video Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition (**CVPR**)*, San Diego, CA, June 20-26, 2005. [**Citation: 12**]
21. P. Tsiamyrtzis, J. Dowdall, **D. Shastri**, I. Pavlidis, M.G. Frank, and P. Eckman, "Lie detection - recovery of the periorbital signal through tandem tracking and noise suppression in thermal facial video", in *Proceedings of the SPIE ThermoSense 2005: Sensor Technologies* , Orlando, Florida, March 27-30, 2005. **[Invited paper, Citation: 14]**

**Abstract-based Conferences**

1. K. Patel, H. Shah, and **D. Shastri**, "A Physiology-based Monotonous Driving Detection", 1st Computer Science Undergraduate Research Expo at the University of Texas – Dallas, April 11, 2015. **[Honorable mention]**
2. S. Taamneh **, D. Shastri**, D. Currie, M. Dcosta, , A. Wesley, and I. Pavlidis, "What Sympathetic Responses Can Tell about Children's Performance in Reading", 2015 *Society of Affective Science Conference, San Francisco, CA, April 9 – 11, 2015*.
3. D. Duong, **D. Shastri**, M. Dcosta, and I. Pavlidis, "Stereoscopic Reconstruction of the Breathing Function," in Abstracts of the 2013 *Pharmaceutical Health Services Research Symposium*, Houston, Texas, March 29, 2013.
4. A. Wesley, P. Tsiamyrtzis, **D. Shastri**, B. Bass and I. Pavlidis, "Fast by Nature - How Stress Patterns Define Human Experience and Performance", in *Abstracts of the 2010 National Center for Human Performance Annual Meeting,* Houston, Texas, November 11-12, 2010. **[Best poster award]**

5. R. Joseph, T. Bourlai, **D. Shastri**, I. Pavlidis B.J. Dunkin and B. Bass, "Use of a novel thermal and visual facial mapping system to measure stress in surgeons may provide a valuable metric in surgical skills acquisition", in *Abstracts of the national American College of Surgeons (ACS) Educational Consortium* Chicago, Illinois, March 21-22, 2009.
6. **D. Shastri**, P. Tsiamyrtzis and I. Pavlidis, "Recovery of the periorbital signal and its application in the detection of deceit", *Abstracts of the IEEE International Conference on Technologies for Homeland Security*, Boston, MA, May 12, 2008.
7. P. Tsiamyrtzis, J. Dowdall, **D. Shastri**, I. Pavlidis, M. G. Frank, and P. Ekman, "Lie detection: recovery of the periorbital signal through tandem tracking and noise suppression in thermal facial video", in *Abstracts of the 22nd Annual Houston Conference on Biomedical Engineering Research*, Houston, TX, February 10, 2005.

**Press Coverage**

1. Press Coverage (**Science360, Becker's Hospital Review, USA Today, The Cypress Times, MediLexicon, Medical News Today, NSE news from field, University of Houston**) for the publication in **Nature - Scientific** Reports: "Fast by Nature - How Stress Patterns Define Human Experience and Performance in Dexterous Tasks". Press coverage can be viewed: http://www.cpl.uh.edu/press/stress-rese/
2. On May 08, 2009, the Department of Defense's research division (National Center For Credibility Assessment, NCCA) demonstrated on primetim**e CNN news, Wolf Blitzer's Situation Room**, the StressCam system as one of the high-tech devices designed to aid intelligence officials in interrogation.
3. On May 09, 2009, the **Discovery science channel** broadcasted next generation polygraph machine, in episode#18(Chewing Pencils) of Weird Connections series.

**Technology Expositions**

1. Quantitative stress measurement using thermal imaging as a marker of competence in laparoscopic skills, ***4th Annual American College of Surgeons (ACS) Accredited Education Institutes (AEI) Postgraduate Course: Measuring Procedural Competence***, MITIE Institute for Technology, Innovation and Education, Houston, TX, September 17, 2011.
2. Monitoring Physiological Functions at a Distance, ***SPIE Defense, Security and Sensing Conference***, Orlando World Center Marriott Resort & Convention Center, Orlando, Florida, April 25-29, 2011.
3. Do Nintendo Surgeons Defy Stress?, ***Showcase in 3rd Annual International conference in Computational Surgery***, The Methodist Hospital, Houston, TX, January 26-28, 2011.
4. Stress analysis and its application in deception detection, ***UH-DOD Research Conference***, University of Houston, Houston, TX, November 1-2, 2007.

**Invited Talks**

1. *Perinasal Imaging of Physiological Stress and its Affective Potential*, **School of Computing, Clemson University,** Clemson, SC, May 22, 2012.
2. *O' Job, Can you return my mojo?,* **Computer Science Department, University of Houston-Downtown campus**, Houston, TX, January 13, 2011.

3. *Panel participant,* **Graduate forum for the Research Experiences for Undergraduates (REU) program**, July 23, 2010.
4. *Improving human engagement and enjoyment in the routine activities*, **Texas Institute for Measurement, Evaluation and Statistics,** Houston, June 09, 2010.
5. *Improving human engagement and enjoyment in the routine activities*, **Psychology Department, University of Houston**, Houston, TX, May 12, 2010.
6. I. Pavlidis, **D. Shastri**, and T. Bourlai, *Imaging stress*, **Rapid Screening Workshop at International Conference on System Sciences-42**, Waikoloa, Big Island, HI, January 5-6, 2009.
7. *Panel participant,* **Graduate forum for the Research Experiences for Undergraduates (REU) program**, July 25, 2008.
8. I. Pavlidis, P. Buddharaju, and **D. Shastri**, Short course on *Novel Biometrics*, **Conference on Computer Vision and Pattern Recognition***,* Minneapolis, MN, June 18, 2007.
9. **D. Shastri**, and I. Pavlidis, *Imaging Facial Physiology for the Deception of deceit*, **BBN Technologies**, Arlington, VA, November 03, 2006.

## Teaching Experience

**Courses Taught at the University of Houston – Downtown**

1. Predictive Analytics **[New course established]**
   - Spring 2016
2. Introduction to Information Visualization **[New course established]**
   - Fall 2014
3. Introduction to Data Mining [**New course established]**
   - Spring 2014
4. Mobile Computing (iOS) [**New course established]**
   - Spring 2013 – 2014, Summer 2014
5. Mobile Game Development for High-school Students [**New course module]**
   - Summer 2013
6. Principles of Computer Graphics **[Revised the course]**
   - Spring 2012, Fall 2013 (**OpenGL**), Spring 2015 (**WebGL**)
7. Senior Seminar/Ethics for the Information Age **[Revised the course]**
   - Spring 2013, Fall 2013-2014
8. Digital Logic
   - Spring 2015
9. Introduction to Computer Science with C++
   - Spring 2012 – 2013, Fall 2011 – 2014
10. Introduction to Computer Science with Visual Basic
    - Fall 2011, Winter 2012, Spring 2015
11. Introduction to Computer Technology
    - Summer 2012-2013, Fall 2012

**Courses Taught at the University of Houston – Main**

12. Psychophysiology in HCI **[New course]**
    - Spring 2011

13. Computational Psychophysiology **[New course]**
    - Spring 2010

**Student Mentoring (50 students)**

- **PhD Dissertation Committee Member (4 students)**
  1. Salah Taamneh (CS, UH, **Co-advising**)
     Topic: Children Stress Research
  2. Malcolm Dcosta (CS, UH, **Co-advising**) **[Won best research award in PhD showcase 2012, 2013]**
     Topic: Human Stress Analysis
  3. Duc Duong (CS, UH, **Co-advising**) [**Runner up in PhD showcase 2013**]
     Topic: Spatiotemporal Reconstruction of Breathing Function
  4. Avinash Wesley (CS, UH, Committee Member)
     Topic: Thermal Facial Analysis System

- **M.S. Thesis Committee Member (5 students)**
  **Fall 2013**
  5. Eswar Prasad (CS, UH, **Co-advised**)
     Topic: Wearable EDA Sensing – A Validation Study
  **Spring 2012**
  6. Joseph Burling (**Dept. of Psychology**, UH, Committee Member)
     Topic: Order and Learning: Temporal Effects on Cued Attention
  **Spring 2011**
  7. Malcolm Dcosta (CS, UH, **Co-advised**)
     Topic: Perinasal Signal Extraction and its Applications in Deception Detection
  **Fall 2010**
  8. Avinash Wesley (CS, UH, **Co-advised**)
     Topic: Contact-free Stress Monitoring for Users' Divided Attention
  9. Swati Vaidya (CS, UH, **Co-advised**)
     Topic: Analysis of Perspiration Responses from Various Body Parts

- **Undergraduate Senior Project Mentor (15 students)**
  **Spring 2015**
  10. Sudarsan Pandey (CS, UHD)
      Topic: Track UHD shuttles
  11. Namrata Kshtriya (CS, UHD)
      Topic: Role of Meditation in Human Performance
  12. Richard Lorenzen (CS, UHD)
      Topic: Voice Activated iPhone-based App
  **Fall 2014**
  13. Edgar Ramirez (Dept. of Social Science, UH)
      Topic: Role of Meditation in Human Performance
  14. Mervyn Cabio (CS, UHD)
      Topic: Predicting Super Bowl Outcomes Using Machine Learning
  15. Phouc Nguyen (CS, UHD)
      Topic: iOS-based Student Course Organizer

16. Carlton Attaway (CS, UHD)
    Topic: Developing a Brain Game
17. Fernando Busto (CS, UHD)
    Topic: Developing an Android-based Vehicle Tracking App
18. Deary Hudson (CS, UHD)
    Topic: Mining Web-based Video Contents for Better User Experience

**Spring 2013**

19. Bryan Nafegar (CS, UHD)
    Topic: Developing an Android-based Hunting and Fishing App

**Fall 2013**

20. Usman Tamanna (CS, UHD)
    Topic: LiveCommittee – Real-time Web-based tool for C++ Programming Help
21. Latoya Smith (CS, UHD)
    Topic: iOS Based Texas STAAR App for Elementary Students
22. Yves Fernandes (CS, UHD)
    Topic: FitnessBuddy - iOS App for Monitoring Caloric Consumption and Tracking Human Mobility Patterns
23. Suhagkumar Chauhan (CS, UHD)
    Topic: Android App for Medication Reminder

**Spring 2013**

24. Cory Landmark (CS, UHD)
    Topic: Developing Iteratively Unique Tests for Brain Stimulation and Their V arious Applications on the Android Platform

- **Research Projects Mentor/Co-mentor (26 students)**

**Spring 2015**

25. Harit Shah (CAHSI REU, UHD) **[Honorable mention at the UTD poster expo]**
26. Kishan Patel (CAHSI REU, UHD) **[Honorable mention at the UTD poster expo]**
27. Ngan Do (CAHSI REU, UHD)
28. Steve Leon (CAHSI REU, UHD)
29. Raul Rio (CAHSI REU, UHD)

**Fall 2014**

30. Ngan Do (CAHSI REU, UHD)
31. Harit Shah (CAHSI REU, UHD)

**Summer 2014**

32. Carlton Attway (REU, UHD)
33. Phouc Nguyen (REU, UHD)
34. Giovanni Molina (REU, UHD)
35. Luc Nguyen (REU, UHD)

**Summer 2013**

36. Rebecca Mesich (REU, UHD)
37. Dalene Hart (REU, UH) [**Runner up poster award**]
38. Jeffery Allen (REU, UH)

**Spring 2013**

39. Usman Tamanna (CAHSI REU, UHD)

**Fall 2013**

40. Usman Tamanna (REU, UHD, 2012-2013)

**Summer 2012**

41. Aaron Joseph (REU, UH) [**Best poster award]**

**Summer 2011**

42. Ethan Adkisson (REU, UH) [**Best poster award]**
43. Henry Estepa (REU, UH) [**Runner up poster award**]

**Summer 2010**

44. Robert Pienta (REU, UH) [**Best poster award]**

**Summer 2009**

45. Ross Buffington (REU, UH) [**Runner up**]
46. Adina Stoica (REU, UH) [**Best poster award]**

**Summer 2008**

47. Adina Stoica (REU, UH) [**Best poster award]**
48. Carlos Abanto (REU, UH)
49. Ugur Ayan (PhD candidate at Istanbul Kultur University, summer intern, 2008)

**Summer 2007**

50. Jonathan Hancock (REU, UH)

## Service to Academic Discipline

**Conference Activities**

1. **Program Committee Member**, 3rd Annual Technology and Learning Conference at UHD, 2014
2. **Program Committee Member**, IEEE International Conference on Intelligent Systems and Signal Processing (ISSP), 2013
3. **Demo and Exhibition Chair,** IEEE 5th International Conference on Advanced Video and Signal Based Surveillance (AVSS), 2008

**Institutional Services**

4. **UHD Data Analytics Master's Degree Program Committee**, 2014 - 2015
5. **UHD Academic Technology Committee**, 2013 - 2014
6. **UHD Wellness Committee**, 2012 - 2014
7. **UHD Scholars Academy**, 2012 - 2015
8. **UHD Scholars Academy Advisory Council**, 2013 - 2014
9. **UHD ACM Student Chapter**, 2013 - 2015
10. **UHD Computer Science Colloquium Committee**, 2012 - 2013
11. **UHD Computer Science Master's Degree Program Committee**, 2011 - 2012

**Reviewer**

- **Proposals**
  1. **Ad hoc Reviewer**, NSF- IIS Smart and Connected Health [NSF 13-543] , 2013
  2. **Sabbatical Proposals,** UHD, Spring 2014, Spring 2015

- **Journals**
  3. Journal of the Optical Society of America (2014)
  4. Annals of Biomedical Engineering, The Journal of the Biomedical Engineering Society, Springer (2012-2013)

5. International Journal of Industrial Ergonomics, Elsevier (2011, 2013)
6. Imaging and Vision Computing Journal, Elsevier (2008 – 2009, 2013)
7. Measurement Science and Technology Journal, Institute of Physics (2010 – 2013)

- **Conferences**
  8. ACM International Conference on Human-Computer Interaction with Mobile Devices and Services - **MobileHCI** (2014)
  9. IEEE International Special Topic Conference on Healthcare Innovation & Point-of-Care Technologies – **HIC-POCT** (2014)
  10. IEEE International Conferences on Biomedical and Health Informatics (2014)
  11. IEEE International Conferences on Information Visualization - **Viz** (2014)
  12. ACM International Conference on Human Factors in Computing Systems – **SIGCHI** (2011, 2014)
  13. ACM International Conference on Engineering Interactive Computing Systems – **EICS** (2012)
  14. ACM International Conference on Designing Interactive Systems – **DIS** (2012, 2014)
  15. ACM Asian Pacific Conference on Computer Human Interaction – **APCHI** (2012)
  16. ACM Conference on Computer Supported Cooperative Work and Social Computing – **CSCW** (2012)
  17. IEEE International Conference on Intelligent Robots and Systems (2011- 2012)
  18. International Conference of the IEEE Engineering in Medicine and Biology Society – **EMBC** (2009 – 2014)

## Professional Memberships

- Associate Member of ACM Society

## Computer Skills

- **Operating Systems:** Windows, Mac
- **Programming Languages:** C#, Objective-C, C++, C, Matlab, Visual Basic
- **IDEs:** Visual Studio 2012, XCode 5
- **APIs and Libraries:** OpenCV, OpenGL, Corona Mobile Game Development SDK, MS Office Macros, iPORT for FLIR thermal camera interface