

Curriculum Vitae

PATRICK JOSEPH LUCEY (PhD)

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EDUCATION

- **2004 - 2008(Feb)** - Ph.D., Speech, Audio, Image and Video Technology Laboratory, Faculty of Built Engineering and Environment, Queensland University of Technology, Brisbane, Australia. Thesis Entitled “Lipreading Across Multiple Views” [Nominated for Outstanding Thesis Award].
- **2000 - 2003** - B.Eng., Electrical and Electronic Engineering (1st class honors - GPA 6.66 out of 7), University of Southern Queensland, Toowoomba, Australia, 2003.

WORK HISTORY

- **2013(Sept) - Present** - Associate Research Scientist, Disney Research Pittsburgh, Pittsburgh, PA, USA.
- **2010(Nov) - 2013(Aug)** - Postdoctoral Associate, Disney Research Pittsburgh, Pittsburgh, PA, USA.
- **2009(Jan) - 2010 (Oct)** - Postdoctoral Research Fellow, Robotics Institute, Carnegie Mellon University/Department of Psychology, University of Pittsburgh, Pittsburgh, PA, USA.
- **2008(Feb) - 2008(Dec)** - Postdoctoral Research Fellow, Speech, Audio, Image and Video Technology Laboratory, Queensland University of Technology.
- **2007 – 2008(Sept)** - Co-organiser of the 2008 International Workshop on Auditory-Visual Speech Processing (AVSP 2008).
- **2004 - 2008(Feb)** - PhD Research Student, Speech, Audio, Image and Video Technology Laboratory, Queensland University of Technology.
- **2007(Sept) - 2007(Dec)** - Visiting Scholar at Robotics Institute, Carnegie Mellon University, Pittsburgh, PA, USA.
- **2006(Feb) - 2006(June)** - Visiting Research Intern, Human Languages Department, IBM T.J. Watson Research Center, Yorktown Heights, NY, USA.

WORKSHOP/CONFERENCE ORGANIZATION

- KDD Workshop on Large-Scale Sports Analytics (co-organizer), at ACM SIGKDD, New York City, NY, USA, (August), 2014.
- ICCV Workshop on Vision-Based Sports Analytics (co-organizer), at ICCV, Sydney, Australia, (December), 2013.

INVITED PRESENTATIONS/WORKSHOPS

- P. Lucey, “Quantifying Team Behaviors in Sports using Spatiotemporal Data”, Disney Data Analytics Conference, Orlando, USA, (September), 2014.
- P. Lucey, “Discovering Team Behaviors using Spatiotemporal Data”, CMU Qatar, (March), 2014.
- P. Lucey, “Sports Analytics v2.0: Assessing Team Strategy Using Spatiotemporal Data”, Wolfram Data Summit, Washington DC, USA, (September), 2013.
- P. Lucey, “Creating a Computerized Sports Expert for Live-Action Sports”, Australian Institute of Sport, Canberra, Australia, (August), 2012.
- P. Lucey, “Measuring the Immeasurable: Using Faces and Computer-Vision to Improve Clinical Decision-Making”, Australian Hand Therapist Association (AHTA) National Conference, Brisbane, Australia (October), 2009.

GRANTS/PROPOSALS

- Partner-Investigator, “Affective sensing technology for the detection and monitoring of depression and melancholia”, *ARC Discovery Project Grant* (2013-2015, \$360,000).

ACADEMIC AWARDS

- **2014** - Best Paper Award, WACV 2014.
- **2007** - Best Student Paper Award, INTERSPEECH 2007.
- **2005** - Australian Speech Science & Technology Assoc. (ASSTA) PhD award
- **2004-2008** - Australian Postgraduate Award (APA), Faculty of BEE Stipend recipient
- **2003** - Institute of Electrical Engineers Prize (top marks in final year of degree)
- **2002** - Ergon Energy Systems Strand Award (top marks in 3rd year of degree)
- **2000-2003** - University of Southern Queensland Regional Scholarship recipient
- **2000** - Ergon Energy Scholarship recipient

PROGRAMMING SKILLS

- Matlab/Octave, C/C++, Objective-C/Cocoa, Bash Scripting
- Constructing systems across most platforms (e.g., Windows, Linux, MAC OS).

GRADUATE STUDENT SUPERVISION

- Sien (Chris) Chew (co-supervisor) - completed PhD (2009-2012)
- Rajitha Navarathna (co-supervisor) - completed PhD (2009-2013)
- Alina Bialkowski (co-supervisor) - completed PhD (2011-2015)
- Xinyu Wei (co-supervisor) - in-progress PhD (2012-)
- Long Sha (co-supervisor) - in-progress PhD (2013-)
- Jessica Howlett (supervisor) - completed Masters (2008)

FIVE MOST RELEVANT PUBLICATIONS

(see <http://www.patricklucy.com/Site/Publications.html> for full list)

1. **P. Lucey**, A. Bialkowski, M. Monfort, P. Carr and I. Matthews, “Quality vs Quantity”, Improved Shot Prediction in Soccer using Strategic Features from Spatiotemporal Data”, in *MIT Sloan Sports Analytics Conference (MITSSAC)*, (Boston, USA), 2015.
2. **P. Lucey**, D. Oliver, P. Carr, J. Roth and I. Matthews, “Assessing Team Strategy using Spatiotemporal Data”, in *ACM SIGKDD Conference on Knowledge, Discovery and Data Mining (KDD)*, (Chicago, USA), 2013.
3. **P. Lucey**, A. Bialkowski, P. Carr, S. Morgan, I. Matthews and Y. Sheikh, “Representing and Discovering Adversarial Team Behaviors using Player Role”, in *IEEE International Conference on Computer Vision and Pattern Recognition (CVPR)*, (Portland, USA), 2013.
4. **P. Lucey**, J.F. Cohn, K.M. Prkachin, P.E. Solomon and I. Matthews, “PAINFUL DATA: The UNBC-McMaster Shoulder Pain Expression Archive Database” to appear in the *IEEE International Conference on Automatic Face and Gesture Recognition* (Santa Barbara, USA), 2011.
5. **P. Lucey**, G. Potamianos and S. Sridharan, “An Unified Approach to Multi-Pose Audio-Visual ASR”, in *Proceedings of Interspeech*, pp. 650-653, Antwerp, Belgium, 2007 [awarded best student paper].

REFEREES

Please ask for references