



# Deepti Aggarwal

PhD Candidate

Microsoft Research Centre for SocialNUI, University of Melbourne, Australia

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## PROFILE

**Research interests** Video based Medical Consultation (Teleconsultation), HCI and Health, Bodily Communication, Tangible User Interfaces, Natural User Interactions.

## EDUCATION

**Doctor of Philosophy** Microsoft Research Centre for SocialNUI, University of Melbourne, Australia  
2014 – present  
**Thesis title:** Supporting Bodily Communication in Video Consultations  
**Advisors:** Prof. Frank Vetere, Dr. Bernd Ploderer, and Dr. Thuong Hoang

**Master of Science by Research** International Institute of Information Technology, Hyderabad, India  
2010 – 2013  
**Thesis title:** Exploring Crowdsourcing to Personalize Web Experiences  
**Advisor:** Prof. Venkatesh Choppella and Prof. Vasudeva Varma

## PUBLICATIONS

**Full & Short Papers**

[11] **Deepti Aggarwal**, Bernd Ploderer, Frank Vetere, Mark Bradford, and Thuong Hoang. 2016. Doctor, Can You See My Squats?: Understanding Bodily Communication in Video Consultations for Physiotherapy. To appear in Designing Interactive Systems (DIS'16).

[10] **Deepti Aggarwal**. 2016. Supporting Bodily Communication in Video Based Clinical Consultations. To appear in CHI '16 Extended Abstracts on Human Factors in Computing Systems (CHI EA '16).

[9] **Deepti Aggarwal**, Robyn Garnett, Bernd Ploderer, Frank Vetere, Patricia Eadie, and Bronwyn Joy Davidson. 2015. Understanding Video based Parent Training for Children with Autism. In Proceedings of the 27th Australian Conference on Human-Computer Interaction (OzCHI '15).

[8] Rohit Ashok Khot, Jeewon Lee, **Deepti Aggarwal**, Larissa Hjorth, and Florian 'Floyd' Mueller. 2015. TastyBeats: Designing Palatable Representations of Physical Activity. In Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems (CHI '15). **[Best Paper Honorable Mention Award]**

[7] Robyn Garnett, Patricia Eadie, Bronwyn Davidson, Ken Clarke, Zaher Joukhadar, and **Deepti Aggarwal**. 2015. Utilising Technologies to Address the Social

- Communication of Young Children with Autism Spectrum Disorder. In Asia Pacific Autism Conference (APAC '15).
- [6] Rohit Ashok Khot, Jeewon Lee, Helmut Munz, **Deepti Aggarwal**, and Florian Floyd Mueller. 2014. TastyBeats: making mocktails with heartbeats. In CHI '14 Extended Abstracts on Human Factors in Computing Systems (CHI EA '14).
- [5] **Deepti Aggarwal**, Rohit Ashok Khot, and Venkatesh Choppella. 2013. Power of friends: when friends guess about their friends' guess. In CHI '13 Extended Abstracts on Human Factors in Computing Systems (CHI EA '13).
- [4] T. B. Dinesh, S. Uskudarli, Subramanya Sastry, **Deepti Aggarwal**, and Venkatesh Choppella. 2012. Alipi: a framework for re-narrating web pages. In Proceedings of the International Cross-Disciplinary Conference on Web Accessibility (W4A '12).
- [3] **Deepti Aggarwal**, Rohit Ashok Khot, Vasudeva Varma, and Venkatesh Choppella. 2012. uPICK: Crowdsourcing Based Approach to Extract Relations Among Named Entities. In Proceedings of IndiaHCI (IndiaHCI '12).
- [2] **Deepti Aggarwal**, Himanshu Zade, and Anind K. Dey. 2012. Demography based Automated Teller Machines. In Proceedings of IndiaHCI (IndiaHCI '12).
- [1] Vasudeva Varma, Bhaskar Ghosh, Mohan Soundararajan, **Deepti Aggarwal**, and Priya Radhakrishnan. 2012. IIIT Hyderabad at TAC 2012. In Proceedings of Text Analysis Conference (TAC '12).

### Workshop Papers

- [2] **Deepti Aggarwal**, Bernd Ploderer, and Frank Vetere. 2015. Addressing Research Gaps in Teleconsultation Settings. In Proceedings of CHI '15 workshop on Everyday TelePresence: Emerging Practices and Future Research Directions.
- [1] Rohit Ashok Khot, Larissa Hjorth, **Deepti Aggarwal**, and Florian 'Floyd' Mueller. 2014. Supporting Autonomy in Physical Activity Through Material Artefacts. In Proceedings of CHI '14 workshop on Positive Computing.

## HONORS and AWARDS

MATS scholarship to attend DIS 2016	2016
Best Paper Honorable Mention Award, CHI-2015	2015
Recipient of the SocialNUI Postgraduate Top-up Scholarship	2015-2017
Recipient of the MIFRS and MIRS scholarships	2014-2017
Finalist of the Student Innovation Contest, UIST 2013	2013
Pramati Ltd. Travel Grant	2013
ACM-Women Travel grant to attend CHI 2013	2013
Innovative Design Award at TechEase-2011	2011

## EXPERIENCE

Student Intern at Carnegie Mellon University, Pittsburgh, USA	May 2013 – Oct. 2013
Research Associate of Virtual Labs MHRD Project, India	Jan. 2011 – Dec. 2012

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Campus System Administrator at IIIT-Hyderabad, India	Oct. 2010 – Dec. 2010
Internship at NTPC, Dadri, India	July 2009
Internship at BHEL, Raipur, India	June 2009
Training on Network & Ethical Hacking, Nettech, Jaipur, India	June 2008

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## SERVICES

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### Professional activities

Media Liaison, CIS Department, University of Melbourne, 2016.  
Coordinator for IDL Seminars, University of Melbourne, 2015 - 2016.  
Co-chair for OzCHI Student Design Challenge, 2015.  
Organizer for Hands-on Computing 2015, University of Melbourne.  
Student Volunteer for CHI-2015, WWW 2011.  
Reviewer for OzCHI 2015 & 2014 (short paper category), CHI-2014 & 2013 (work-in-progress category), HIPC-2012, ICON-2011.  
Organizer for National Workshop on Usability Design: TechEase-2011.  
Organizer and Program host, Spic Macay Virasat 2010, IIIT-Hyderabad sub-chapter.

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## REFEREES

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