

Debaleena Chattopadhyay | Resume

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| RESEARCH KEYWORDS | Human-computer interaction (HCI); Computer-supported cooperative work (CSCW); Human-robot interaction (HRI); Natural user interfaces (NUI); Mid-air gestures; Internet of Things (IoT). | | |
| EDUCATION | Ph.D., Human-Computer Interaction , Indiana University. 4.0/4.0 (expected) May, 2016 | | |
| | M.S., Computer Science , Stony Brook University. 3.63/4.0 May, 2011 | | |
| | B.Tech., Computer Science & Engg. , West Bengal Uni. of Tech. 9.04/10.0 May, 2009 | | |
| SKILLS | Research Methods — QUALITATIVE: Contextual inquiry, diary studies, affinity diagramming, focus groups, persona creation, scenario building, interviews (e.g., laddering), usability testing (heuristic inspection, cognitive walkthrough, user testing), content analysis, survey design, and sketching QUANTITATIVE: Designing controlled experiments, parametric & non-parametric statistics Programming Languages — C#, C, C++, SQL, MATLAB, Python, R, SPSS Software — NVIVO, MORAE, Camtasia, Adobe Creative Suite (Illustrator, Photoshop, InDesign) Sensing Technologies — Motion tracking (Kinect, Leap), Eye tracking. | | |
| WORK EXPERIENCE | Microsoft Research, Cambridge, UK | | |
| | Research Intern, Human Experience & Design group | | Summer, 2015 |
| | School of Informatics and Computing, Indiana University, Indianapolis, USA | | |
| | Instructor, research assistant, & teaching assistant | | 2011 – 2016 |
| | Computer Science Department, Stony Brook University, New York, USA | | |
| | Research assistant & teaching assistant | | 2009 – 2010 |
| | Tata Consultancy Service Ltd., Kolkata, India | | |
| | Research Intern, Innovation Lab | | Summer, 2008 |
| PATENTS | Content Navigation Control, US Provisional Patent, (applied January, 2016). Kenton O'Hara, Gavin Smyth, Sean Rintel, and Debaleena Chattopadhyay . | | |
| | Shot Boundary Detection Based on Co-occurrence Matrices, Government of India Patent. 30/07/2010. Debaleena Chattopadhyay and Brojeshwar Bhowmick. | | |
| SELECTED AWARDS | Best graduate student in the IU School of Informatics and Computing, Indianapolis. | | 2015 |
| | Indiana University–Purdue University Indianapolis (IUPUI) Fellowship. | | 2012 |
| | Computer Science Chair Fellowship, Stony Brook University. | | 2009 |
| SELECTED PUBLICATIONS | Chattopadhyay, D. , O'Hara, K., Rintel, S., & Rädle, R. (2016) Office Social: Presentation Interactivity for Nearby Devices. <i>CHI</i> . Forthcoming. | | |
| | MacDorman, K., F., & Chattopadhyay, D. (2016). Inconsistency in Human Realism, and not Category Uncertainty, elicits the Uncanny Valley Effect. <i>Cognition</i> , 146, 190–205. | | |
| | Chattopadhyay, D. , et al. (2015). Understanding Advice Sharing among Physicians: Towards Trust-Based Clinical Alerts. <i>Interacting with Computers</i> . Forthcoming. | | |
| | Chattopadhyay, D. , & Bolchini, D. (2015). Motor-Intuitive Interactions Based on Image Schemas: Aligning Touchless Interaction Primitives with Human Sensorimotor Abilities. Special Issue on Intuitive Interactions, <i>Interacting with Computers</i> , 27(3), 327–343. | | |
| | Chattopadhyay, D. , & Bolchini, D. (2014). Touchless Circular Menus: Toward an Intuitive UI for Touchless Interactions with Large Displays. Proc., <i>AVI</i> , 33–40, ACM. | | |
| | Yun, K., Carrillo, J., H., Chattopadhyay, D. , et al. (2012). Two-person Interaction Detection using Body-Pose Features and Multiple Instance Learning. Proc., <i>CVPR Workshops</i> , 28–35. | | |
| WEBPAGE | http://pages.iu.edu/~debchatt/ | | |