

Priyank Chandra

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Education

University of Michigan, Ann Arbor PhD, School of Information (Advisor: Prof. Joyojeet Pal) Thesis: Informality and Consumption: Navigating a Technology Marketplace in India	Michigan, USA 2013 – 2018 (Expected)
Indian Statistical Institute - Delhi MS in Quantitative Economics	New Delhi, India 2007 - 2009
Visvesvaraya Technological University BE in Electronics & Communication	Bangalore, India 2002 – 2006

Summary

As an HCI/ICTD researcher, my research - qualitative and quantitative - primarily focuses on technology appropriation and use in the Global South

Publications

Peer-Reviewed Papers:

- **Chandra, P.** and Pal, J. (2018) Twitter Adoption, Self-Presentation and Party Politics in India. CeDEM Asia 2018: Conference for E-Democracy and Open Government, Asia 2018.
- Gonawela, A., Pal, J., Thawani, U., Vlugt, V.V., Out, W., & **Chandra, P.** (2018) Attack or Insult: Populist Style and Antagonistic Messaging on Twitter of Donald Trump, Narendra Modi, Nigel Farage, and Geert Wilders. In Proceedings of the European Conference on Computer Supported Cooperative Work (ECSCW) (2018). Springer.
- Chakraborty, S., Pal, J., **Chandra, P.**, and Romero, D. (2018). Political Tweets and Mainstream News Impact in India: A Mixed Methods Investigation into Political Outreach. 1st ACM SIGCAS Conference on Computing and Sustainable Societies (COMPASS 2018)
- Pal, J., **Chandra, P.**, et al. (2018). Digital Payment and its Discontents: Street shops and the Indian Government's Push for Cashless Transactions. In Proceedings of the 2018 SIGCHI conference on human factors in computing systems. ACM.
- Pal, J., **Chandra, P.**, et al. (2017). Innuendo as outreach: @narendramodi and the use of political irony on Twitter. International Journal of Communication. 11: 22.
- **Chandra, P.** (2017). Informality and Invisibility: Traditional Technologies as Tools for Collaboration in an Informal Market. In Proceedings of the 2017 SIGCHI conference on human factors in computing systems. ACM. (*Honorable Mention*)
- **Chandra, P.**, Ahmed, S.I., Pal, J. (2017). Market Practices and the Bazaar: Technology Consumption in Urban ICT Markets in the Global South. In Proceedings of the 2017 SIGCHI conference on human factors in computing systems. ACM.
- Pal, J., Viswanathan, A., **Chandra, P.**, et al. (2017). Agency in assistive technology adoption: Visual impairment and smartphone use in Bangalore. In Proceedings of the 2017 SIGCHI conference on human factors in computing systems. ACM.
- **Chandra, P.** (2016). Order in the Warez, Scene: Explaining an Underground Virtual Community with the CPR Framework. In Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems (pp. 372-383). ACM.
- Pal, J., **Chandra, P.**, et al. (2016). An Accessibility Infrastructure for the Global South, at ICTD 2016, Ann Arbor

- Pal, J., **Chandra, P.**, & Vydiswaran, V. V. (2016). Twitter and the Rebranding of Narendra Modi. *Economic & Political Weekly*, 51(8), 53.
- Pal, J., Youngman, M., O'Neill, T., **Chandra, P.**, & Semushi, C. (2015). Gender and accessibility in Rwanda and Malawi. In *Proceedings of the Seventh International Conference on Information and Communication Technologies and Development* (p. 5). ACM.

Peer-Reviewed Notes and Workshop Papers:

- Kameswarana, V., Marathe, M., and **Chandra, P.** (2018). Redefining the Landmark - Designing Navigation Tools for the Visually Impaired, at HClxB, CHI 2018, Canada
- You, S. and **Chandra, P.** (2018). Integrating Autonomous Vehicles into Everyday Life : From Theory to Practice, at the Conference on Autonomous vehicles in society: Building a research agenda, USA
- Kameswarana, V., Marathe, M., **Chandra, P.**, et al. (2017). Usability in the field: Reflections from an HCI4D project in rural West Bengal, at HClxB, CHI 2017, USA
- Marathe, M., **Chandra, P.**, et al. (2016) In search of missing pieces: A re-examination of trends in ICTD research, at ICTD 2016, USA
- **Chandra, P.** (2016). Across the Borders of Legality: Leveraging Pirate Infrastructures, at *HCI4D Across Borders*, CHI 2016, USA
- **Chandra, P.**, & Jones, J. (2015). Assistive Technologies and Autonomy in a Cyborg World. In *Proceedings of the Seventh International Conference on Information and Communication Technologies and Development* (p. 31). ACM.

Papers currently under review:

- **Chandra, P.**, Pal, J. Assistive Technologies and Software Piracy in a Cyborg World

Graduate Level Teaching

- SI – 622, Needs assessment and usability evaluation, Winter 2017, University of Michigan, Ann-Arbor
- SI – 501, Contextual Inquiry and User Needs Assessment, Winter 2016, University of Michigan, Ann-Arbor
- SI – 330, Data Manipulation, Fall 2015, University of Michigan, Ann-Arbor
- SI – 500, Information in Social Systems, Fall 2014, University of Michigan, Ann-Arbor
- Course Design, Tom Stoppard's Arcadia: Order and Chaos, 2012, Srishti School of Art, Design and Technology

Funding and Awards

Fellowship and Research Grants

- Rackham One-Term Dissertation Fellowship (\$10200 + tuition, student and registration fees)
- Rackham International Research Award (\$6500)
- Rackham Summer/Spring Research Grant 2016 (along with Prof. Joyojeet Pal) (Awarded a .50 graduate student research assistantship)

Co-curricular Grants

- Rackham Conference Travel Grant 2015, 2016, 2017
- UMSI Travel Grant 2015, 2016, 2017
- Rackham Graduate Student Research Grant 2015, 2017 (\$1500 + \$3000)
- ICTD Conference Grant 2015

Awards

- Exposition 2016 – Inspiration, Innovation & Impact Award (Best Overall): Sophus Q&A App (\$2000)
- Exposition 2016 – Academic/Research Award: DoIIIT Together (\$2000)
- UPTEC Talent Search Scholarship

Activities

Panels and Workshops:

- **Chandra, P.**, Guberek, T., Martell, A. (2016), Bridging ICTD and Human Rights and Technology (HR-Tech), at ICTD 2016, Ann Arbor, USA
- **Chandra, P.**, Pal, J. (2015), Quantitative Research Methods workshop at CIS, Bangalore, India

Invited Talks:

- **Chandra, P.** (2017), “Informality and Invisibility” at Digital Organisation and Society Theme Group Research Away Day, Royal Holloway University of London, UK
- **Chandra, P.** (2017), “Informal Technology Markets in the Global South” at London School of Economics, UK
- **Chandra, P.** (2015), “Informality and Systemic Flexibility in a Local ICT Market”, at Michigan Inaugural ICTD Symposium, Ann Arbor, Michigan, USA
- **Chandra, P.** (2015), “Piracy, Service Centers and Informal Markets – a mixed methods study”, at Microsoft Research Labs and CIS India, Bangalore, India

Academic Projects and Term Papers:

- **Chandra, P.** (2009), Evolution of trust – Designing a coordination game to study the dynamics of trust
- **Chandra, P.** (2006), Simulating computational protein folding using genetic algorithms
- **Chandra, P.**, et al. (2006) Designing a low-cost indigenous AHRS (flight navigation) system for Unmanned Aerial Vehicles (at ADE, Bangalore under Varsha Agarwal, Scientist ‘D’)

Service Activities

- Program Committee, CHI 2017 Late-Breaking Work
- Demo Chair, ICTD Conference, 2016
- Reviewer - ICTD Conference 2015, CSCW 2017, CHI 2017
- Volunteer - CHI 2017, ICWSM 2014
- Doctoral Executive Committee, School of Information (2014 – 2015)
- Diversity Committee, School of Information (2014 – 2015)
- President, Indian Statistical Institute Film Club (2007 – 2009)

Professional Experience

New York University – Abu Dhabi

Visiting Researcher

- Qualitative study exploring how low-digital literate consumers navigate marketplaces with respect to purchasing technology goods October 2017 – December 2017

Google

User Experience Research Intern

- Mixed methods longitudinal diary study to investigate wayfinding behaviour and navigation needs of commuters in India London, United Kingdom, May – August 2017

University of Michigan

Graduate Student Research Assistant

- **Social Media:** Twitter adoption by Indian Politicians
 - Statistical and network analysis of Twitter adoption; Qualitative coding of tweets; Coding tweets using machine learning/NLP and crowdsourcing Ann Arbor, USA 2013-Current
- **Accessibility:** ICT use amongst people with Visual Impairment
 - Statistical analysis of survey data; qualitative coding of interviews
- **Software Piracy:** Mapping the software piracy ecosystem

- Scraping Bittorrent trackers to collect piracy statistics; interviews and online ethnography to investigate the sharing of copyrighted files on Wikipedia Zero; parsed and qualitatively coded forum posts
- Co-founded a maker studio to support research in interdisciplinary computing and society research, focusing on interactive, intelligent, and distributing computing

Technology for Emerging Markets group, Microsoft Research Labs, Bangalore

Visiting Researcher

- Mixed-methods research (ethnographic study and quantitative analysis) to estimate prevalence of software piracy and study the software piracy ecosystem at a local ICT market in Bangalore, India
- Bangalore, India
2015

Srishti School of Art, Design and Technology

Technology Consultant

- Programmed and implemented tools to help automate the organization of media documentation for Drishya Learning Centers, an urban slum education initiative
- Bangalore, India
2013

Tata Consultancy Services

Sr. Business Analyst

- Executed Universe Estimation and Sample Design projects for market research
- Bangalore, India
2012 – 2013

Mallya Aditi International School

Teaching Faculty/ Technology & Assessment Coordinator

- Assessed the impact of technology-assisted learning in classrooms
 - Designed and maintained interfaces to allow online interaction and collaboration between facilitators and students
- Bangalore, India
2010 – 2012

Hewlett Packard

Business Analyst

- Conducted market research and statistical analysis to determine the effectiveness and reach of the HP Certification programs
 - Initiated and managed automation protocols to create end-to-end systems to collect and collate data, process and run analyses, and dispatch reports
- Bangalore, India
2009 – 2010

Indian Statistical Institute

Summer Internship

- Microfinance in India – Assessing matching in self-help groups
- New Delhi, 2008