Kanika Tuteja, PhD

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STATEMENT

I'm an HCI researcher passionate about mobility and accessibility. My experience spans academia and industry. I collaborate with users, government, and NGOs to develop solutions that are not just impactful, but also practical and user-centered.

RESEARCH INTERESTS

User-Centered Design, HCI4D, Mobility and Accessibility, and Qualitative Research

EDUCATION

Université de Technologie de Troyes, France
A Trajectory Analysis of Wheelchairs in India - Assistive Technology Design for Mobility Ecosystems
PhD, HCI, and Socio-technical Systems, Nov 2020 - May 2024
Advisors: Tommaso Colombino, NAVER LABS Europe
        Ast. Prof. Matthieu Tixier, Université de Technologie de Troyes, France
Research Group: **LIST3N.**

MIT Institute of Design, Pune, India
Master of Design with specialization in User Experience Design, June 2016 - June 2018
Advisors: Dr. Debayan Dhar, MIT Institute of Design, Pune, India
Research Group: **User Experience Design (UXD), MIT Institute of Design, Pune, India.**

RELEVANT EXPERIENCE

Naver Labs Europe, Grenoble, France
User Experience Researcher, Human-Robot Interaction, Nov 2020-Nov 2023
Mentors: Tommaso Colombino, and Matthieu Tixier.
My research explores the challenges and opportunities for people with mobility impairment (PMIs) who are reliant on wheelchairs. Extended ethnographic fieldwork was carried out in rural and urban parts of Karnataka, India, to study their mobility practices, and the complex ecosystem of stakeholders.

Knowledge Brokerage Programme, 2023-2024 (On-going)
Collaborative work on 'Digital platform mobility' in cooperation with the city of Cacak (SR). Thirty young researchers were selected out of 185 applicants across Europe.

Naver Labs Europe, Grenoble, France
User Experience Researcher, User Experience and Ethnography, August 2018-March 2019
Mentors: Tommaso Colombino, and Antonietta Grasso.
Collaborated on a project, "An Approach toward Autonomous Cars through the Lens of Accessibility." Analyzed existing secondary data on people who are hard of hearing and are actively driving semi-autonomous vehicles (cars) to learn about their behavior.

Conduent Labs (erstwhile Xerox Research (XRCI)), Bangalore, India
Research Internship, Jan 2018 - May 2018
Mentors: Saurabh Srivastava, and Sitara Shah
Led the project from research to high-fidelity prototyping. Designed a proof-of-concept platform to improve civic agencies' access to actionable insights based on heterogeneous users' data sources.

UNDER REVIEW

"I feel free and restricted simultaneously": Interdependencies in Wheelchair Use and Transfer for Mobility Practices in India
Kanika Tuteja, Tommaso Colombino, Matthieu Tixier
CSCW'24, Journal paper.

From Repurposing to Discard: Arrangements in the Recycling of Wheelchairs in India
Kanika Tuteja, Tommaso Colombino, Matthieu Tixier
ASSETS'24, Technical paper.

CONFERENCE PUBLICATIONS

Configurations of the User in the Trajectory of Wheelchairs in India: Learnings for the Socio-technical Design of Smart Assistive Devices
Kanika Tuteja, Tommaso Colombino, Matthieu Tixier.
ECSCW'23, Exploratory paper.

Towards a Trajectory Analysis of the Wheelchair Artifact in an Indian Context
Kanika Tuteja, Tommaso Colombino, Matthieu Tixier
ASSETS'23, Position paper.

Advergames are more persuasive among different online advertisements
Tara Thomas, Kanika Tuteja, Anirban Chowdhury
HWWE'17, Full paper.

WORKSHOP SUBMISSIONS

Towards a Trajectory Analysis of the Wheelchair Artifact in an Indian Context
Kanika Tuteja, Tommaso Colombino, Matthieu Tixier
CWUATT 12th Workshop on Universal Access and Assistive Technology, Short paper.

Dreams, Nightmares and Realities of Disability Justice and HCI Research in the Global South
Victoria Austin, ... ,Kanika Tuteja
Virtual Workshop on Disability Justice in Human-Computer Interaction, CHI 2022.

Making the Wheelchair Users Present Across Borders: Towards a Trajectory Analysis
Kanika Tuteja, Tommaso Colombino, Matthieu Tixier
Workshop on Disability Inclusive Remote Co-Design, ASSETS 2022.

SKILLS & TOOLS

Design Process, User Research, Ethnography, Interaction Design, Information Architecture, Data Visualisation, User Interface Design, Qualitative Methods
Adobe Photoshop, Adobe Illustrator, Invision/Marvel web-app, Figma/XD, SPSS, AutoCAD

AWARD AND ACHIEVEMENTS

EUSSET Early Career Travel Support for ECSCW 2024 (Declined).
Participated in EUSSET Summer School 2022 in Bolzano, Italy.
Shadow PC Program (2021- 2022): It is a program for young researchers to get experience in community service.
ACM SIGCHI Summer School 2019 titled, "Write a paper for CHI 2021" at IIT-Bombay.
ACM SIGCHI Summer School 2018 titled, "Research Methods and Approaches to Text Entry and Other Interaction Techniques" at IIT-Bombay.
Recipient of SIGCHI student travel grant to attend ACM Summer School 2018.

VOLUNTEER SERVICES

Student volunteer for the online conference, CSCW 2021.
Providing training and mentorship at ADP platform.
Microsoft Student Partner, Delhi, India (Sep 2017 - Sep 2018)
Saare Jahan Se Acha Foundation, Pune, India (Jan 2017 - April 2017).