

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 | <p>Université de Technologie de Troyes, France <i>A Trajectory Analysis of Wheelchairs in India - Assistive Technology Design for Mobility Ecosystems</i> <i>PhD, HCI, and Socio-technical Systems</i>, Nov 2020 - May 2024 <i>Advisors:</i> Tommaso Colombino, NAVER LABS Europe Ast. Prof. Matthieu Tixier, Université de Technologie de Troyes, France <i>Research Group:</i> LIST3N.</p> <p>MIT Institute of Design, Pune, India <i>Master of Design with specialization in User Experience Design</i>, June 2016 - June 2018 <i>Advisor:</i> Dr. Debayan Dhar, MIT Institute of Design, Pune, India <i>Research Group:</i> User Experience Design (UXD), MIT Institute of Design, Pune, India.</p> |
| RELEVANT EXPERIENCE | <p>Naver Labs Europe, Grenoble, France <i>User Experience Researcher, Human-Robot Interaction</i>, Nov 2020-Nov 2023 <i>Mentors:</i> 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.</p> <p>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.</p> <p>Naver Labs Europe, Grenoble, France <i>User Experience Researcher, User Experience and Ethnography</i>, August 2018-March 2019 <i>Mentors:</i> 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.</p> <p>Conduent Labs (erstwhile Xerox Research (XRCI)), Bangalore, India <i>Research Internship</i>, Jan 2018 - May 2018 <i>Mentors:</i> 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.</p> |

**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

From Repurposing to Discard: Arrangements in the Recycling of Wheelchairs in India

Kanika Tuteja, Tommaso Colombino, Matthieu Tixier.

**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

GROUP’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

CWUAAT 11th 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).

**RELEVANT
COURSEWORK**

Design Methods (Quantitative and Qualitative Research)
User-centered Design Research, Design for Special Needs
Visual Interface Design, Design Semantics
Interaction Design, Advanced Interactive Prototyping, Usability Engineering

TALKS

Configurations of the User in the Trajectory of Wheelchairs in India, Paper presentation at ECSCW 23.
Towards a Trajectory Analysis of the Wheelchair Artifact in an Indian Context, Presentation at CWUAAT workshop, Cambridge University.
Uneven Terrain, Even Access: Understanding the Needs and Wheelchair Design in India, at Motivation HQ.
Wheeling Towards Inclusion: Defining gaps in the trajectory of a wheelchair, at UTT.