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DoB: 27.10.1971, New Delhi, India (citizen) | Residency: USA & Finland

EDUCATION AND DEGREES:

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA
    Ph.D., MIT Program in Media Arts and Sciences, MIT Media Laboratory, May 2003
    Dissertation Title: *Cooperative Innovation in the Commons: Rethinking Distributed Collaboration and Intellectual Property for Sustainable Design Innovation*
    Advisors: Alex (Sandy) Pentland, Bish Sanyal, Mitchel Resnick, and Mark S. Ackerman

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA
    M.S., MIT Program in Media Arts and Sciences, MIT Media Laboratory, May 1998
    Thesis Title: *Contextual Awareness, Messaging and Communication in Nomadic Audio Environments*
    Advisors: Chris Schmandt, Alex (Sandy) Pentland, Pattie Maes, and Hiroshi Ishii

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA
    M.S., Information Design and Technology with Certificate in Management of Technology, May 1996
    Thesis Title: *Authoring and Navigating Video in Space and Time: An Approach Towards Hypervideo*
    Advisors: Jay David Bolter, Terry Harpold, and Stuart Moulthrop

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA
    Bachelor of Industrial Engineering, School of Industrial and Systems Engineering, May 1993

CURRENT EMPLOYMENT:

Department of Computer Science, School of Science (SCI), Aalto University, Espoo, Finland
    Professor of Practice and Director, CRAI-CIS Research Group, March 2020 onwards

ACADEMIC APPOINTMENTS AND RESEARCH FELLOWSHIPS:

The New School for Social Research (NSSR), The New School, New York, NY
    Faculty Fellow, Graduate Institute for Design, Ethnography and Social Thought (GIDEST), 2018 – 2019
    GIDEST incubates transdisciplinary ethnographic research at the intersection of social theory, art & design fostering dialogue across the university, and is funded by a grant from the Andrew W. Mellon Foundation.

School of Media Studies, The New School for Public Engagement (NSPE), The New School, New York, NY
    Assistant Professor of Media Studies, 2011 – 2019

MIT Center for Civic Media, The MIT Media Laboratory, Cambridge, MA
    Research Affiliate, 2011 – 2013

MIT Program in Art, Culture and Technology (ACT), School of Architecture and Planning, Cambridge, MA
    Lecturer and Research Fellow, 2009 – 2011

MIT Dept. of Urban Studies and Planning and The Center for International Studies, Cambridge, MA
    Visionary Fellow for the MIT Jerusalem 2050 Project, 2008 – 2009

MIT Media Laboratory, Cambridge, MA, September 2001 – June 2003
    Graduate Research Assistant with Prof. Alex (Sandy) Pentland, Human Dynamics Group

Mitsubishi Electric Research Laboratory (MERL), Cambridge, MA, June – August 1999
    Industry Research Internship with Dr. Michael Casey, Cambridge Research Lab

STARLAB, Brussels, Belgium, June – August 1998
Industry Research Internship with Dr. Walter Van de Velde, Agents & Wearable Computing Group

MIT Media Laboratory, Cambridge, MA, September 1996 – June 1998
Graduate Research Assistant with Dr. Chris Schmandt, Speech Interface Group

Fuji-Xerox Palo Alto Research Laboratories (FXPAL), Palo-Alto, CA, June – August 1996
Industry Research Internship with Dr. Lynn Wilcox & Dr. Bill Schilit, Mobile Computing Research Group

Graphics, Visualization & Usability Center (GVU), Georgia Institute of Technology, Atlanta, GA, 1995 – 1996
Graduate Research Assistant with Prof. Gregory Abowd, Future Computing Environments Group

INDUSTRY WORK EXPERIENCE:

Dataminr, Inc., New York, NY, July – November 2019
Principal Research Scientist, AI & Human Computer Interaction

Cytel, Inc., Cambridge, MA, 2005 – 2009
Director, Commercialization of Research

Akaza Research, Inc., Cambridge, MA, 2003 – 2005
Co-founder and Chief Scientific Officer

RESEARCH FUNDING, GRANTS AND PATENTS AWARDED:

Civic Agency in AI? Examining the AI Act and Democratizing Algorithmic Services in the Public Sector, Research Council of Finland, project #357349. Awarded 500,000 €, 1.9.2023 – 31.08.2027. Principal Investigator.

Liquid Forms of AI-infused Disinformation: Improving Information Resilience in the Finnish News Ecosystem, Helsingin Sanomat Foundation. Awarded 180,000 €, 1.9.2023 – 31.08.2025. Co-PI with Minttu Tikka (postdoc).

Designing Inclusive & Trustworthy Digital Public Services for Migrants in Finland, SRC programme on Security and Trust in the Age of Algorithms (SHIELD), 1.10.2022 – 30.09.2025, Research Consortia: Aalto University, University of Helsinki, Tampere University, and City of Espoo. Total: 3.2 M €. Lead Principal Investigator.

Citizen Agency in AI: Democratizing Algorithmic Services in the City (CAAI), Kone Foundation, project # 202107233, 1.1.2022 – 31.12.2025, Total funding: 326,500 €. Principal Investigator.

Promoting Critical, Playful and Inclusive Algorithmic Literacy and Digital Citizenship among Young Learners, Ministry of Education and Culture's (MEC) Global Program Pilots for India & USA, Aalto University, 30.3.2022 – 30.3.2023. 50,000 €. Co-PI with Teemu Leinonen.

Co-creative Practices: New Music Technologies with AI, Ministry of Education and Culture's (MEC) Global Program Pilots for India & USA, Aalto University, 30.3.2022 – 30.3.2023, 50,000 €. Co-PI with Koray Tahiroğlu.

Critical AI and Crisis Interrogatives Seminar, Finnish Center for Artificial Intelligence (FCAI) and Helsinki Institute for Information Technology (HIIT), 27.10.2021 – 1.9.2023. 18,100 €.

Feminist Futures Helsinki hackathon, SCI DEI Fund, Aalto University, 11.5.2021 – 1.2.2022. 4500 €.

Color of Science: Engaging Critical Perspectives from Scientists of Color and the Indigenous, Diversity and Inclusivity Fund, School of Science (SCI), Aalto University, 10.2.2021 – 1.2.2022. 5000 €.

Reconstructing Crisis Narratives for Trustworthy Communication and Cooperative Agency, Research Council of Finland, project #339931, 21.8.2020 – 30.11.2023, Research Consortia: Aalto University and Finnish Institute for Health and Welfare (THL), Total funding: 1.2 M €, Aalto: 630,066 €. Lead Principal Investigator.

Revitalizing NYC Neighborhoods through Public Innovation Places: Participatory Urban Investigations, Cooperative Design and Policy Alternatives with Parsons faculty in partnership with No Longer Empty. Fund for Collaborative Innovation, The New School Collaboratory, September 2013 – 2015. $20,000.

Engage Media Lab: A hub for participatory media learning and creative practice in NYC, with Peter Lucas, SPE Civic Engagement Fund, The New School, July 1, 2013 – June 30, 2014. $8,750.

Mobile Storytelling for Youth Media Makers, Link Grant from the New York Community Trust and Hive NYC Learning Network, Partners: People's Production House and Eyebeam Center for Art and Technology, New York, NY, October 2011 – September 2012. $50,000.

OpenClinica: Open-Source Platform for Clinical Data Management and Research, Small Business Innovation and Research (SBIR) Phase I Research Grant, National Institutes of Health (NIH), 2004 - 2006, $200,000. Grant extended for Phase II Commercialization (3-years $1.5 Million), 2006 – 2009. Akaza Research, Cambridge, MA.

Production of award-winning feature-length documentary film Flying Paper with co-director Roger Hill, All Roads Film Project Seed Grant, National Geographic, May 2011, $9,500 awarded.

U.S. PATENT #5,970,455: Wilcox, L.D., Schilit, W.N., Sawhney, N., Sullivan, J.W. and Bickmore, T.W., Xerox Corporation & Fuji Xerox Co., Ltd., 1999. System for capturing & retrieving audio data and hand-written notes.

PROFESSIONAL AFFILIATIONS, CONFERENCE CO-CHAIRING AND ACADEMIC PEER REVIEW:

- Member, AI and Society Research Program, Finnish Center for Artificial Intelligence (FCAI).
- Member, Global AI Ethics Consortium (GAIEC), Institute for Ethics in Artificial Intelligence (IEAI), Technical University of Munich.
- Member, Finland India Network of Researchers and Academics Executive Committee (FINERAC), Chaired by Raveesh Kumar, Ambassador to Finland, Embassy of India, Finland.
- Scientific reviewer for research applications to the Swiss National Science Foundation (SNSF), 2023.
- Member of Program Committee for ACM Conference on Fairness, Accountability, and Transparency (FAccT) 2023 Conference.
- Associate Editor, International Journal of Child Computer Interaction (IJCCI), 2014 – 2023.
- Co-chair & organizer, International Conference on Interaction Design and Children (IDC '13), New York.
- Member, Steering Committee, ACM Interaction Design and Children (IDC) Conferences, 2013 – 2023.
- Member, Association for Computing Machinery (ACM), 2011 – 2013 and 2018 – 2020.
- Member, International Sociological Association (ISA), 2011 – 2013.

SERVICE TO AALTO UNIVERSITY COMMITTEES: (2022 ONWARDS)

- Member, Professors' Council Working Group
- Member, Academic Committee for Science, School of Science (SCI)
- Deputy Member, Aalto University Academic Affairs Committee (AAC)

RESEARCH LEADERSHIP AND ACADEMIC SUPERVISION AT AALTO UNIVERSITY: (2020 ONWARDS)

- Director, CRAI-CIS Research Group, Dept. of Computer Science, Aalto University. *https://crai-cis.aalto.fi*
- Postdocs: Minttu Tikka, Ali Unlu (with THL), Viivi Eskelinen (with Aaro Tupasela, University of Helsinki).
- Doctoral Candidates (co-supervised with other Aalto Computer Science faculty): Henna Paakki (2024), Kaisla Kajava, Karolina Drobotowicz, Ana Paula Gonzalez Torres, Antti Rannisto, and Uttishta Varanasi.
- Master's Thesis (ongoing): Lucy Truong, Sanni Lares, Bhuvana Sekar, Rahim Ahsanullah, John Anderson, Teemu Saravirta, Sophie Truong, Aayush Kucheria, Preetha Datta, and Maria Syed.
- Master/Bachelor Thesis (completed): Fatima Sounny (2023), Minjun He (2022), Suvi Hyökki (2022), Jonatan Lygdman (2022), Henriette Friis (2021), Eva Duran Sanchez (2021), Martina Dahm (2021), Ken Riippa (2021), and Antonio Chiappetta (2020).