Speaker:

Haimanti Bhattacharya (University of Utah)

Date and Time:

March 05th, 2025 (Wednesday) at 3:30 PM

Venue:
Conference Room, Fourth floor, Department of Economics,
Rahul Bajaj Technology Innovation Center

Title: **The Good, the Bad, and the Ugly: The Role of AI Quality Disclosure in Lie Detection**

Abstract: We investigate how low-quality AI advisors, lacking quality disclosures, can help spread text-based lies while seeming to help people detect lies. Participants in our experiment discern truth from lies by evaluating transcripts from a game show that mimicked deceptive social media exchanges on topics with objective truths. We find that when relying on low-quality advisors without disclosures, participants' truth-detection rates fall below their own abilities, which recovered once the AI's true effectiveness was revealed. Conversely, high-quality advisor enhances truth detection, regardless of disclosure. We discover that participants' expectations about AI capabilities contribute to their undue reliance on opaque, low-quality advisors.

About the speaker:

Haimanti Bhattacharya is a Professor of Economics at the University of Utah. She holds a Ph.D. in Economics, an M.A. in Economics, and an M.S. in Agricultural and Resource Economics from the University of Arizona, as well as an M.A. and B.A. in Economics from the University of Delhi. As an applied microeconomist, her research interests span environmental, resource, and food economics, behavioral economics, and gendered wellbeing. A unifying theme in her work is the sustainability of human society - economic, social, and environmental sustainability.