M. Ehsan Hoque

Asaro Biggar Family Fellow in Data Science, Assistant Professor of Computer Science, and Interim Director, Goergen Institute for Data Science at University of Rochester

Rochester, NY, US

M. Ehsan Hoque is designing and implementing new algorithms to sense subtle human nonverbal behavior

Biography

M. Ehsan Hoque directs the Rochester Human-Computer Interaction Lab. He is currently the interim director for the University's Goergen Institute for Data Science. His research focuses on designing and implementing new algorithms to sense subtle human nonverbal behavior; enabling new behavior sensing and modelling for human-computer interaction; inventing new applications of emotion technology in high-impact social domains such as social skills training, public speaking; and assisting individuals who experience difficulties with social interactions.

Areas of Expertise

Data Science, Human Nonverbal Behavior, Interactive Machine Learning, Human-Computer Interaction, Computer Vision, Experimental Psychology, Social Skills Training

Affiliations

ACM Future of Computing Academy (ACM FCA), Association for the Advancement of Artificial Intelligence (AAAI), Association for Computing Machinery (ACM), Institute of Electrical and Electronics Engineers (IEEE), American Association for the Advancement of Science (AAAS), The Association for the Advancement ofAffective Commuting (AAAC)

Selected Event Appearances

Automated Dyadic Data Recorder (ADDR) Framework and Analysis of Facial Cues in Deceptive Communication
Proceedings of ACM on Interactive, Mobile, Warble, and Ubiquitous Computing (IMWUT)

CoCo: Collaboration Coach for Understanding Team Dynamics during Video Conferencing
Proceedings of ACM on Interactive, Mobile, Warble, and Ubiquitous Computing (IMWUT)

The What, When, and Why of Facial Expressions: An Objective Analysis of Conversational Skills in Speed-Dating Videos
IEEE International Conference on Automated Face and Gesture Recognition

Say CHEESE: Common Human Emotional Expression Set EncoderAnalysis of Smiles in Honest and Deceptive Communication
IEEE InternationalConference on Automated Face and Gesture Recognition

Education

Massachusetts Institute of Technology
Ph.D. Media Arts and Sciences (Media Lab)

The University of Memphis
Electrical and Computer Engineering M.Eng

Penn State University
B.S. Computer Engineering

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