

AUTOMATED SENSING OF HUMAN BEHAVIOR: A CASE STUDY IN MENTAL HEALTH & EDUCATION



Speaker

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Affiliation

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When

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Where

Zoom

Abstract

With the advancements in the fields of Computer vision, Affective Computing and Machine Learning the study of human mind and behavior is emerging as an unrivaled mystery. A plethora of experiments are being carried out each day to make machines capable enough to sense subtle verbal & non-verbal human behaviors and understand human needs in every walks of life. Numerous applications ranging from virtual assistants for online learning to socially assistive robots for health care, are being designed. A frequent challenge in such applications is creating scalable systems that are tailored to an individual's capabilities, preferences and response to interaction. In this talk, I will talk about applying Computer Vision and Machine Learning techniques in series of human behavior understanding applications, ranging from automated assessment of Trauma Patients to quantifying group collaborations in educational settings.

Short bio

Svati received her B.E. and M.S. in Electronics & Communication Engineering from India. She completed her PhD in Computer Science from University of Colorado specializing in Computer Vision and Affective Computing. She is currently working as an Advanced Computer Scientist in the Center for Vision Technologies at SRI International, Menlo Park (California).