

Machine Perception



Chair - Prof. Amit Sethi

Amit Sethi is an Associate Professor of Electrical Engineering at Indian Institute of Technology Bombay and an adjunct faculty member of Pathology at University of Illinois at Chicago. His research interests lie in machine learning and deep learning and their applications to images and videos particularly in pathology and radiology. He obtained his post-secondary education at Indian Institute of Technology Delhi and University of Illinois at Urbana-Champaign. He has previously worked at NEC Labs America in Cupertino CA, ZS Associates in Chicago, and Indian Institute of Technology Guwahati

Abstract:

Artificial intelligence – especially deep learning -- has made significant inroads towards perceiving sensory inputs such as images, videos, and audio. In this session, we will show case some of the ongoing projects by IIT Bombay faculty members in these areas. Areas such as medical image analysis, video surveillance, automatic speech recognition, and music analysis will be covered. Additionally, we will hear from the industry about some practical applications of these technologies and how IIT Bombay can partner with them.