MICHIGAN STATE UNIVERSITY
Department of Statistics and Probability

COLLOQUIUM

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Statistically Speaking: Some Fundamental Challenges in Human Recognition Using Biometrics

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10:20 a.m. - 11:10 am
Refreshments 10:00 am
C405 Wells Hall

Abstract

Biometrics is the science of recognizing individuals based on their biological attributes such as face, fingerprints, iris, voice or gait. Biometric systems have been deployed in a number of applications ranging from border control (e.g., US OBIM Program) to national ID cards (e.g., India's Aadhaar Program) to smartphone access (e.g., Apple's iPhone). Despite these advancements, biometric systems have to contend with a number of challenges related to data quality, spoof attacks, and personal privacy. This talk will highlight some of the recent progress made in the field of biometrics; present our lab's work on spoof detection, soft biometrics, and biometric data privacy; and discuss some of the challenges that have to be solved in order to promote the widespread use of this technology.

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