

Distinguished Lecture Series on Data Analytics and Artificial Intelligence



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RRS905, Sir Run Run Shaw Building, Ho Sin Hang Campus, HKBU

From the Edge of Biometrics: What's Next?

Abstract

Biometric recognition refers to the automated recognition of individuals based on their biological and behavioral traits such as fingerprint, face, iris, and voice. The first scientific paper on automated fingerprint matching was published by Trauring (1963). Since then progress in the field has enabled biometric systems to accurately recognize individuals in real-time in applications ranging from unlocking personal smartphones to international border crossings. Despite this progress, a number of challenges and lack of understanding continue to inhibit the full potential of biometrics. In this talk I would like to share with you some of these challenges, requirements, opportunities for basic and applied research, and few ongoing projects in my laboratory.

Biography

Anil Jain is a Distinguished Professor of Computer Science at Michigan State University. He is a Fellow of the ACM and IEEE and is a recipient of Guggenheim, Humboldt, Fulbright, and King-Sun Fu awards. He served as editor-in-chief of the IEEE Transactions on Pattern Analysis and Machine Intelligence and was a member of the United States Defense Science Board, Forensic Science Standards Board and AAAS latent fingerprint study. Jain is a member of the U.S. National Academy of Engineering and the Indian National Academy of Engineering.

Enquiry

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