

Anil Jain

University Distinguished Professor, Department of Computer Science at Michigan State University

East Lansing, MI, US

Expert in biometrics (pattern recognition, computer vision and biometric recognition)

Biography

Anil K. Jain is a University Distinguished Professor in the Department of Computer Science & Engineering at Michigan State University. He was appointed an Honorary Professor at Tsinghua University and a WCU Distinguished Adjunct Professor at Korea University. He received B.Tech degree from the Indian Institute of Technology, Kanpur and M.S. and Ph.D. degrees from The Ohio State University. His research interests include pattern recognition, computer vision and biometric recognition. In 2020, he ranked No. 1 in Guide2Research's 2020 edition of Top Scientists Ranking for Computer Science and Electronics. He has been recognized with a Guggenheim Fellowship, Humboldt Research Award, Fulbright fellowship, IEEE Computer Society Technical Achievement award, IEEE W. Wallace McDowell award, IAPR King-Sun Fu Prize, IEEE ICDM Research Contribution award, IAPR Senior Biometric Investigator award, MSU Withrow Teaching Excellence award, and the MSU 2014 Innovator of the Year award. He served as the Editor-in-Chief of the IEEE Trans. Pattern Analysis and Machine Intelligence (1991-1994) and is a Fellow of the ACM, IEEE, AAAS, IAPR and SPIE. Anil Jain has been assigned six U.S. patents on fingerprint recognition (transferred to IBM in 1999) and two Korean patents on video surveillance. He has also licensed technologies of particular interest to forensics and law enforcement agencies to Safran Morpho and NEC Corp: (i) Tattoo-ID for matching tattoo images (2012), (ii) AltFinger-ID for detecting whether a fingerprint image has been altered (2013), (iii) FaceSketch-ID for matching facial sketches to mugshot images (2014), and (iv) Face-Search for locating a person of interest in databases with hundreds of millions of faces (2015). He is the author of several popular books, including Introduction to Biometrics (2011), Handbook of Face Recognition (first edition: 2005; second edition 2011), Handbook of Fingerprint Recognition (first edition: 2003, second edition: 2009), Markov Random Fields: Theory and Applications (1993), and Algorithms For Clustering Data (1988). His list of publications is available at Google Scholar

Industry Expertise

Computer Hardware, Computer Networking, Computer Software, Biotechnology, Research, Education/Learning, Writing and Editing, Electrical Engineering

Areas of Expertise

Pattern Recognition, Computer Vision, Biometrics, Markov Random Fields, Clustering Data

Affiliations

National Academy of Engineering, Indian National Academy of Engineering, AAAS Latent fingerprint Working Group, National Academy of Inventors: Fellow

Education

Ohio State University

Ph.D. Electrical Engineering

Ohio State University

M.S. Electrical Engineering

Indian Institute of Technology, Kanpur

B.Tech. Electrical Engineering

Accomplishments

Withrow Teaching Excellence Award

Awarded by Michigan State University

? King-Sun Fu Prize

Awarded by the International Association of Pattern Recognition

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