

Face Recognition: Your Face is Your Password

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Abstract

In this talk, I will present our research on biometrics. Specifically, I will present our computational tools for 3D face recognition, 3D-aided 2D Face Recognition, and profile-based face recognition. Our 3D-3D face recognition software ranked first in the 3D-shape section of the recent Face Recognition Vendor Test (FRVT) organized by NIST.

Biography

Prof. Ioannis A. Kakadiaris is an Eckhard Pfeiffer Professor of Computer Science, Electrical & Computer Engineering, and Biomedical Engineering at the University of Houston. He joined UH in August 1997 after a postdoctoral fellowship at the University of Pennsylvania. Ioannis earned his B.Sc. in physics at the University of Athens in Greece, his M.Sc. in computer science from Northeastern University and his Ph.D. at the University of Pennsylvania. He is the founder of the Computational Biomedicine Lab (www.cbl.uh.edu) and in 2008 he directed the Methodist-University of Houston-Weill Cornell Medical College Institute for Biomedical Imaging Sciences (IBIS, ibis.uh.edu) (position rotates annually among the institutions). His research interests include biometrics, computer vision, pattern recognition, cardiovascular informatics, and biomedical image analysis. Dr. Kakadiaris is the recipient of a number of awards, including the NSF Early Career Development Award, Schlumberger Technical Foundation Award, UH Computer Science Research Excellence Award, UH Enron Teaching Excellence Award, and the James Muller Vulnerable Plaque Young Investigator Prize. His research has been featured on The Discovery Channel, National Public Radio, KPRC NBC News, KTRH ABC News, and KHOU CBS News.