

Biometric Consortium 2005 Conference



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Topic: Face Recognition ICP

Abstract: The main U.S. Government face recognition research effort is centered on the Face Recognition Grand Challenge (FRGC) and Face Recognition Vendor Test (FRVT) 2005, which are being managed by the National Institute of Standards and Technology (NIST). FRGC is a technology development effort with the goal of increasing the performance of face recognition algorithms by an order of magnitude over the FRVT 2002. The FRVT 2005 is an independent evaluations. One of the goals of FRVT 2005 is to assess if the goals of FRGC are meet. The infrastructure to support FRGC and FRVT 2005 is the Biometric Experimentation Environment (BEE). The BEE is designed to support all biometrics, not just face. The BEE will be used to support the Iris Challenge Evaluation (ICE). ICE is a NIST managed iris recognition evaluation effort.

Biography: Dr. Jonathon Phillips is a leading technologist in the fields of computer vision, biometrics, face recognition, and human identification. He is at National Institute of Standards and Technology (NIST), where is he program manager for the Face Recognition Grand Challenge and Iris Challenge Evaluation, and test director for the Face Recognition Vendor Test (FRVT) 2005. From 2000-2004, Dr. Phillips was assigned to the Defense Advanced Projects Agency (DARPA) as program manager for the Human Identification at a Distance program. He was test director for the FRVT 2002. For his work on FRVT 2002 he was awarded the Dept. of Commerce Gold Medal. His current research interests include computer vision, face recognition, biometrics, digital video processing, developing methods for evaluating biometric algorithms, and computational psycho-physics. His work has been reported in print media of record including the New York Times and the Economist. Prior to joining NIST, he developed and designed the FERET database collection and FERET evaluations at the US Army Research Laboratory. He received his Ph.D. in operations research from Rutgers University. He has co-edited three books on face recognition and empirical evaluation. He has been guest editor of special issues or sections of the IEEE Trans. on Pattern Analysis and Machine Intelligence and Computer Vision and Image Understanding. Dr. Phillips is an Associate Editor for IEEE Trans. on Pattern Analysis and Machine Intelligence, and guest editor of a special issue of Proceedings of the IEEE on biometrics.