

# ECE Distinguished Seminar Series

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## *Adventures in Three-Dimensional Face Recognition*

**Kevin Bowyer**

University of Notre Dame

**Thursday, May 3, 11:30 am - 12:30 am**  
**480 Dreese Laboratory**



Face recognition using standard 2D images is a much-studied research topic. Face recognition using 3D shape is relatively less studied, and is thought by some to offer advantages. This talk will look at a series of projects in 3D face recognition in the Computer Vision Research Lab at Notre Dame. Technical approaches considered include PCA, ICP, and “multi-instance” or “classifier ensemble” style combinations of results. Results of large-scale experiments are presented.

: Kevin Bowyer currently serves the Schubmehl-Prein Department Chair of the Department of Computer Science and Engineering at the University of Notre Dame. Professor Bowyer completed his Ph.D in Computer Science at Duke University. Prior to joining the University of Notre Dame, he was member of the faculty of the Department of Computer Science & Engineering at the University of South Florida, the Institute for Informatics at the Swiss Federal Technical Institute (Zurich), and the Department of Computer Science at Duke University. Professor Bowyer’s research interests lie in the general areas of computer vision and pattern recognition. His research has been supported by the Central Intelligence Agency, the Department of Justice, National Science Foundation, the Air Force Office of Scientific Research, the Army Medical Research and Materiel Command, the National Aeronautics and Space Administration, the Sandia National Laboratories, the Defense Advanced Research Projects Agency, Unisys, and other institutions. Professor Bowyer is a Fellow of the IEEE, and has served as Editor-in-Chief of the *IEEE Transactions on Pattern Analysis and Machine Intelligence*, and North American Editor of the *Image and Vision Computing Journal*. Professor Bowyer received an *Outstanding Undergraduate Teaching Award* from the USF College of Engineering in 1991 and *Teaching Incentive Program Awards* in 1994 and in 1997. He is author of the textbook *Ethics and Computing Living Responsibly in a Computerized World*.