

# Biometric Consortium 2005 Conference

---



## Terrance E. Boulton

*El Pomar Professor and CEO  
U. of Colorado at Colorado Springs Securics Inc*

1420 Austin Bluffs Parkway  
Colorado Springs, CO 80933  
Phone: 719.963.0573.tboulton at cs.uccs.edu

**Topic:** Projective Invariant Hand Geometry: An Overview

### Biography:

Dr. Terrance Boulton is the El Pomar Professor of Communication and Computation at U. Colorado at Colorado Springs and director of the Vision and Security Technology lab. He is also the Co-founder and CEO of Securics, Inc. He studied at Columbia University, earning his MS & PhD degrees in computer science in 1984 and 1986 respectively. He was on the faculty of Columbia University from 1986 until joining Lehigh in 1994. In 1998 he was awarded New Century Chair and in 2000 became the Wieseman Chair at Lehigh. After years of planning, Dr. Boulton became the founding Chairman of the Computer Science and Engineering Department at Lehigh. In 2003 he moved to the University of Colorado at Colorado Springs. A more complete vita can be found at <http://www.vast.uccs.edu/~tboulton/vita.html>.

Dr. Boulton has directed 21 students to their Ph.D., half of which are in academic positions, half in industry. Dr. Boulton has published over 130 papers and holds 4 patents, with 7 patents pending. Dr. Boulton has received many awards including an NSF Presidential Young Investigator award, the IEEE CVPR best paper award (2004), teaching awards at Columbia, Lehigh and both research and teaching awards at the University of Colorado at Colorado Springs, including the 2004 new inventor of the year award from the CU system TTO office.

Dr. Boulton publishes in Biometrics, Computer Vision/Robotics as well as in Networking and Mobile Computing. He has been the co-organizer of multiple workshops of visual surveillance, performance evaluation of tracking systems, and computer vision related topics, and has been on program committees for more than a two dozen IEEE and SPIE conferences and workshops on computer vision and sensor fusion as well as on the program committees for conferences in networking and software engineering. In June 2005 Dr. Boulton received a distinguished service award from IEEE. Dr. Boulton will be the president of the IEEE Pattern Analysis and Machine Intelligence Technical Committee starting in January 2006.

Over the past year VAST lab at UCCS has had significant funding from ONR, MDA and AFOSR. Dr. Boulton has an active research and also an aggressive technology transfer effort. Dr. Boulton has been involved with multiple successful DARPA and ONR SBIRs. In the past year Dr. Boulton was a partner in six successful Phase I SBIR/STTR awards and three phase II SBIRs awards. Commercializing earlier research, from May 2002 through Jan 2004, Dr. Boulton was the founding CTO of Guardian Solutions, an active company in intelligent video surveillance.

In 2004, Dr. Boulton founded Securics to commercialize biometrics and security technology developed at University of Colorado at Colorado Springs. Securics has an exclusive option to four patent pending technologies developed in part by Dr. Boulton. More details about Securics can be found at <http://www.securics.com>.