

Speakers and Topics

Our opening Keynote Speaker is Dr. James Wayman of San Jose State University. Dr. Wayman served as the U.S. National Biometric Test Center Director from 1997-2000 under the Clinton administration. He will speak on the following topics:

Biometrics: A Brief Review of the First 40 Years

Biometrics and Privacy—At the same time the Supreme majority did recognize for the very first time a "Right to Privacy", biometric technologies were also emerging. What is privacy and how is it impacted by biometrics?

Dr. Tony Mansfield, Center for Mathematics and Scientific Computing, National Physical Laboratory in Middlesex, England, will speak on:

Biometric Testing & Reporting (and the new UK document to that effect)
Communications Electronics Security Group (CESG)/(National Physical Laboratory) NPL test from last year

Bill Baron, U.S. Department of Transportation Volpe Center. Baron will describe some biometrics installations, including hand geometry and fingerprint in INSPASS at U.S. airports, facial recognition with SENTRI on the U.S.-Mexico border, as well as the U.S. Capitol and military entry points. He will also discuss voice recognition at a remote crossing on the U.S.-Canada border.

James Cambier, Research Vice President of Iridian Technologies, Inc., will present Iridian's latest research on iris identification performance.

Brian Chee, University of Hawaii ICS Advanced Network Computing Lab, will present a session on "Wireless Networks: Attack and Counter Attack." Session will include RF coverage and how modern buildings affect it, the false sense of security given by vendor-included test utilities, and tools to locate intruders.

Major General Edward L. Correa, Jr., is the Adjutant General, State of Hawaii Department of Defense. He serves as the State's point of contact for homeland security matters.

Martha E. Crosby, David N. Chin, Will Gersch, Marie Iding, Curtis Ikehara, and Jan Stelovsky of the University of Hawaii will discuss their current research. This research will lead to the development of more effective human-computer systems.

Lieutenant Raymond E. Foster, Los Angeles Police Department (LAPD), Detective Support Division, Fugitive Warrant Section, will discuss developing databases for facial recognition technology. The LAPD currently holds over 15,000 felony warrants. Its database contains over 2,000 photographs of

suspects wanted on felony charges. Lieutenant Foster will discuss this database development.

Sidney A Hayakawa, Honolulu Federal Security Director, Transportation Security Administration, Honolulu International Airport, will be a luncheon speaker.

Dr. Steve J. Elliot, professor at Purdue University School of Technology, will discuss biometric technology from the viewpoint of both systems integrator, purchaser and evaluator. He will examine the fundamentals of biometric testing and evaluation.

Jacqueline Lucas, Director of Marketing, International Biometric Group, will speak on the following 3 topics: Leading Technologies and Industry Trends and Projections; Biometrics and Passports, Visas and Travel Documents; and Biometric Technology Standards.

Lieutenant Jim Main and Systems Analyst Scott McCallum of the Pinellas County Sheriff's Office will discuss Facial Recognition in Law Enforcement and Corrections. They will discuss the installed facial recognition systems at security checkpoints at the Saint Petersburg/Clearwater International Airport (PIE) and how it checks each ticketed passenger against a database of know terrorists and wanted felons. They will discuss their plan to use facial recognition systems in patrol cars for street usage.

Dr. Esther M. Pearson, TPG, Incorporated, will discuss how biometrics is used in e-learning environments. The E-Learning Biometric Identification Information system identifies the e-learning student participant to provide assurance that the person completing a test or assignment is not an imposter.

Gordon Ross of Net Nanny Software International, Inc. will speak on keystroke heuristics for computers and networks which prevents unauthorized access to a computer by comparing the typing rhythm of an intruder to the typing rhythm of the computer's owner. With this protection, only the computer's owner will have access to the system, even if his/her password has been compromised by the intruder. Gordon will discuss returns on investment in biometrics securities as well as fingerprint spoofing.

Patrick O'Brien, President of Computer Resources, will discuss and demonstrate the latest biometric technologies and their uses in Hawaii.

William Saito, president and CEO of I/O Software, will share his experiences on biometrics integration and standardization. Saito, a recognized expert in the field, will discuss biometrics standardization and a "trusted travelers" program that he recently presented to the U.S. General Accounting Office.

Bill Spence of IR Recognition Systems will discuss biometric installations at the San Francisco International Airport, where over 180 hand readers have provided access to the airfield for 18,000 daily users since 1991 and Ben Gurion

International Airport in Tel Aviv, Israel, where over 50,000 passengers a month pass through Israeli immigration in seconds by using hand geometry to verify their identity.

Major General Craig Whelden, Deputy Commanding General, U.S. Army, Pacific, Fort Shafter, will be a speaker. Major General Whelden, received a B.A. from Purdue University and an M.A. from Webster University. He is a graduate of the U.S. Army Command and General Staff College and the U.S. Army War College. A panel including Brent White of the ACLU, Curtis Ikehara of the University of Hawaii, and James Wayman will be moderated by Kirk Matthews. The topic will be on privacy issues.

David Gulick, Assistant District Director Examinations, for Immigration and Naturalization Services will be a breakout session speaker.

Jacqueline Lucas of the International Biometrics Group will speak on:
Leading Technologies and Industry Trends and Projections
Biometric Technology Standards
Biometrics and Passports, Visa, and Travel Documents

David Schmitt and Dr. Sergey Novikov will speak on voter registration in Nigeria. John is currently VP - Business Development for BioLink Technologies and also serves as Project Manager for the Nigerian Elections System program. Sixty million persons have been fingerprinted, and processing systems in each of Nigeria's 37 states are currently matching these data in order to eliminate duplicate, i.e., fraudulent, registrations. Dr. Sergey Novikov was responsible for all basic research and algorithm development in fingerprint image processing and matching. Dr. Sergey Novikov was engaged in development of technology leading to the first operational latent fingerprint AFIS in Moscow, Russia. He has been a Senior Scientist at the Russian Academy of Sciences, Institute of Informatics, He has more than 12 publications and two patents on the following topics: image processing, pattern recognition, fingerprints and face based authentication, fired bullets identification, spatial acoustics, and 3D geometrical morphometrics.

Tweet Coleman, Pacific Representative for the FAA, will be a breakout speaker.