

# Biometric Consortium 2005 Conference

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**Topic:** Remote Authentication and Biometrics

**Abstract:** Biometrics are an important authentication factor for logical access control. But the remote authentication environment poses some unique challenges for the secure implementation of biometrics. This paper will review the primary issues and considerations and will highlight the work of the INCITS M1 Ad Hoc Group on Biometrics in E-Authentication (AHGBEA).

**Biography:** Mrs. Tilton is the VP for Standards & Technology at SAFLINK Corp., an identity assurance management company specializing in enterprise solutions using biometric, smartcard, and PKI technologies.

She is very active in the development of national and international biometric standards, currently serving as the US head of delegation to ISO/IEC JTC1 SC37 subcommittee on biometrics. She also chairs the BioAPI Consortium, is the international representative for INCITS M1 technical committee on biometrics, and chaired the M1 Ad Hoc Group on Biometric Interoperability in Support of the Government Smart Card Framework (AHGBISGF). She is also the technical editor of the BioAPI within ISO/IEC JTC1 SC37 WG2. Currently, she chairs the Ad Hoc Group on Biometrics in E-Authentication (AHGBEA).

Cathy has been involved in a number of government biometric projects to include TWIC, US VISIT, DoD CAC-Biometrics, and GSA Smart Access/Common ID as well as commercial biometric projects such as Purdue Employees Federal Credit Union, St. Vincent's Hospital, Westernbank, and Kaiser Permanente.

Cathy has over 20 years of engineering and management experience. Prior to SAFLINK, she was a systems engineering department manager at Unisys, where she was involved with large scale electronic defense systems development. As a captain with the US Army, she was involved with R&D and testing of new communications-electronics equipment and systems.

In addition to biometrics, her areas of expertise include requirements analysis, allocation, and specification; software requirements definition; interface engineering; and system, software, and operational testing. She also has experience in the area of engineering process improvement. Applications include electronic warfare, command and control, communications, navigation, and information processing systems. During her last assignment at Unisys, she led the systems engineering effort for the FBI Automated Fingerprint Identification System (AFIS) program (Phase II).

She has a BS in nuclear engineering from Mississippi State and an MS in systems engineering from Virginia Tech.