

## ***Biometric Consortium 2003 Conference***

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Dr. Ganesh Ramaswamy received his S.B., S.M., and Ph.D. degrees in Electrical Engineering and Computer Science from the Massachusetts Institute of Technology in 1992, 1993 and 1995, respectively. In 1995, he joined the IBM Thomas J. Watson Research Center, where he is now the Manager of the Conversational Biometrics Group in the Human Language Technologies Department.

Dr. Ramaswamy's early assignments at IBM as a summer intern were to develop IBM's first wireless LAN adapter, and to build an automated system to recognize interfering sources in a shared radio-frequency environment. His recent accomplishments include developing the first generation algorithms to compress acoustic features for speech recognition in network environments, and building a first-of-a-kind prototype of a multi-modal, multi-domain, multi-client natural language conversational system. His research interests include pattern recognition, statistical signal processing, machine learning, system identification, user modeling and personalization, voice biometrics, multi-biometrics fusion, speech coding, data compression, wireless communication, speech recognition, language modeling, natural language understanding and dialog management.

Dr. Ramaswamy has authored over 30 technical articles in scientific conferences and journals. He has 8 patents issued and over 20 patents pending with the US PTO to his credit. He has received several invention achievement awards and technical group awards from IBM.