

Biometric Consortium 2005 Conference



Besma Abidi

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**Topic: Multi-modal Face Image Fusion using
Empirical Mode Decomposition**

Biography: Dr. Besma R. Abidi has been a Research Assistant Professor with the Department of Electrical and Computer Engineering at the University of Tennessee, Knoxville, since 1998. She occupied a post-Doctorate position with the Oak Ridge Institute of Science and Energy and was a research scientist at the Oak Ridge National Laboratory with the Imaging Science and Machine Vision Group from 1998 until 2001.

Dr. Abidi obtained her Ph. D. from The University of Tennessee in 1995. She obtained a Principal Engineer Diploma (6-year degree; equivalent Masters) in Electrical Engineering, with honors from the National Engineering School of Tunis, Tunisia in 1985. She received a second Master's degree in Remote Sensing and Image Processing from the same school in 1986. She was also the First State Awardee in elementary and high school graduations. From 1985 to 1988 she was Assistant Professor at the National Engineering School of Tunis, where she taught in the areas of automation, computers, and data processing. Her general areas of research are 2D and 3D computer vision, sensor positioning, geometry, biometrics, and multi-sensor fusion. She is a member of IEEE, SPIE, Tau Beta Pi, Eta Kappa Nu, Phi Kappa Phi honor societies, and the Order of the Engineer.

Dr. Abidi is the principal investigator and/or co-principal investigator of current research projects for the Department of Energy, the Department of Defense, the Office of Naval Research, and the National Science Foundation. Such projects involve vision-based security applications such as large scale harbor surveillance and waterway monitoring and multi-modality face modeling and recognition.