



APSIPA Distinguished Lecture

Speaker Verification –

The Present and Future of Voiceprint Based Security

presented by

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at University of New South Wales (UNSW), Sydney, Australia

Summary: Speaker verification refers to a system that analyses and understands an individual's voice, but more specifically their voice print, which can be used for security. Specifically, the use of voice prints to verify if the speech utterance belongs to the claimed speaker. This talk will provide an overview of how current text independent speaker verification systems are implemented as well as pointing out some emerging trends for the future.

Date: Monday, 21st October 2013

Time: 11:00am

Venue: Main Conference Room, Faculty of Engineering,
International Islamic University Malaysia (IIUM)

Host: Faculty of Engineering at IIUM, WCSP Research Group, and IEEE
Instrumentation and Measurement Society (IMS)



Speaker Biography



Professor Eliathamby Ambikairajah received his BSc(Eng) degree from the University of Sri Lanka and received his PhD degree in Signal Processing from Keele University, UK. He was appointed as Head of Electronic Engineering and later Dean of Engineering at the Athlone Institute of Technology in the Republic of Ireland from 1982 to 1999. His key publications led to his repeated appointment as a short-term Invited Research Fellow with the British Telecom Laboratories, U.K., for ten years from 1989 to 1999.

He is currently the Head of School of Electrical Engineering and Telecommunications, University of New South Wales (UNSW), Sydney, Australia. His research interests include speech enhancement, speaker recognition, language recognition, emotion detection and biomedical signal processing. He has authored and co-authored more than 200 conference and journal papers, and is also a regular reviewer for several IEEE, IET and other journals and conferences. For his contributions to speaker recognition research, he was invited as a Visiting Scientist to the Institute of Infocomms Research (A*STAR), Singapore in 2009, where he is currently a Faculty Associate.

He received the Vice-Chancellor's Award for Teaching Excellence in 2004 for his innovative use of educational technology, the School Awards for Teaching Excellence in 2003, and Academic Management in 2001. Professor Ambikairajah is currently a Fellow and a Chartered Engineer of the IET UK and of Engineers Australia (EA) and a Member of IEEE.