

AFRICAN JOURNALS ONLINE

Supported by


[Browse journals](#) | [About](#) | [Article order info.](#) | [Register](#) | [Search](#)

Botswana Journal of Technology 84

[Home](#) | [About](#) | [Search](#) | [Current](#) | [Archives](#) | [Contact](#)

Botswana Journal of Technology > Vol. 14, No. 1 (2005)

[Abercade research](#)

Marketing research Industry
Intelligence
www.abercade.ru

[Sample Project Plans](#)

Benefit from the work of people
with similar projects and problems.
www.SharedPlan.com

[Write Papers & Earn Cash](#)

Help To Build the Abstracts site
Your Paper Can Earn Royalties
Shvoong.com

[RFP Requirements Template](#)

Requirements spreadsheets are
cheap way to define needs. Free
report!
www.custerconsultants.com

Ads by Google

Signal modelling in speaker recognition

[Request Article](#)

A Sharma, *University of the South Pacific, Department of Engineering, GPO
Box 1168, Suva, Fiji*

Abstract

This paper introduces recent advancements in speaker recognition system. It incorporates the background concepts and emphasizes the signal model design technique most commonly used in the state-of-the-art of speaker recognition system. An analytical description is provided of procedures applied in speaker recognition system, covering several methods that are utilized to investigate the autoregressive spectral estimation of the Automatic Speaker Verification (ASV) system. Recent additions in the signal processing area are illustrated that tremendously improve the efficiency of the spectral properties of a speech frame. This paper is meant to explain the concepts of recognition system pragmatically. Also, it envelops some portions of speech recognition system, which is the further enhancement of speaker recognition system. The problems that have been recently invoked when the system is implemented in a large scale through networks have been forwarded. Realization of the ASR system is established in TMS320C30 EVM floating-point processor. Conclusion is presented highlighting the signal modelling techniques in speaker recognition and discussing some current problems which need to be resolved to implement the system ubiquitously.

Keywords: speaker recognition system, signal modeling, autoregressive spectral estimation, speech frame

Botswana Journal of Technology Vo 14(1) 2005: 63-70

Research Support Tool

For this
peer-reviewed
article

[Capture Cite](#)
[View Metadata](#)
[Context](#)
[Author Bio](#)
[Other Works](#)
[Define Terms](#)
[Book Reviews](#)
[Dissertations](#)
[Online Forums](#)
[Quotations](#)
[Pay-Per-View](#)
[Media Reports](#)
[Google Search](#)
[Action](#)
[Email Author](#)
[Email Others](#)
[Home](#) | [About](#) | [Search](#) | [Current](#) | [Archives](#) | [Contact](#)
[Botswana Journal of Technology](#). ISSN: 1019-1593

This site is maintained by NISC SA (National Inquiry Services Centre) as an initiative to support African-published journals.
For more information about NISC and AJOL, see the [About](#) page, or contact us: info@ajol.info

Admin

[Terms and conditions](#)