

Accepted Manuscript

Estimation of the glottal flow from speech pressure signals:
Evaluation of three variants of iterative adaptive inverse filtering using
computational physical modelling of voice production

Parham Mokhtari , Brad Story , Paavo Alku , Hiroshi Ando

PII: S0167-6393(18)30131-6
DOI: <https://doi.org/10.1016/j.specom.2018.09.005>
Reference: SPECOM 2590



To appear in: *Speech Communication*

Received date: 5 April 2018
Revised date: 30 August 2018
Accepted date: 11 September 2018

Please cite this article as: Parham Mokhtari , Brad Story , Paavo Alku , Hiroshi Ando , Estimation of the glottal flow from speech pressure signals: Evaluation of three variants of iterative adaptive inverse filtering using computational physical modelling of voice production, *Speech Communication* (2018), doi: <https://doi.org/10.1016/j.specom.2018.09.005>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Estimation of the glottal flow from speech pressure signals:
Evaluation of three variants of iterative adaptive inverse filtering
using computational physical modelling of voice production

Parham Mokhtari ^{*,a}, Brad Story ^b, Paavo Alku ^c, and Hiroshi Ando ^a

^a *Center for Information and Neural Networks (CiNet), National Institute of Information and Communications Technology (NICT), 3-5 Hikaridai, Seika-cho, Soraku-gun, Kyoto 619-0289, Japan*

^b *Speech Acoustics Laboratory, Department of Speech, Language, and Hearing Sciences, University of Arizona, Tucson, Arizona 85721, USA*

^c *Department of Signal Processing and Acoustics, Aalto University, School of Electrical Engineering, P.O. Box 12200, FI Aalto 00076, Finland*

* Corresponding author. *E-mail address:* parham@nict.go.jp

Declaration of interest: Authors PM and HA have filed an application for a patent on the IOP-IAIF algorithm.

This manuscript (Revision 2) was submitted to the journal Speech Communication, on 30 August 2018.

Download English Version:

<https://daneshyari.com/en/article/10151552>

Download Persian Version:

<https://daneshyari.com/article/10151552>

[Daneshyari.com](https://daneshyari.com)