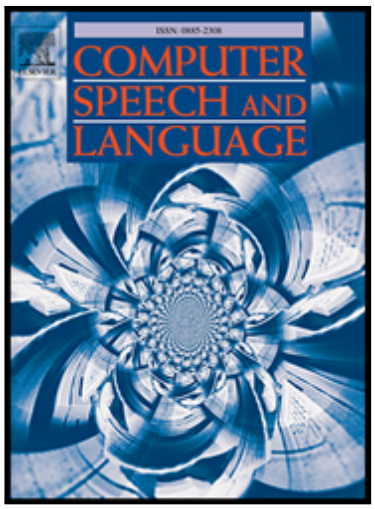
Accepted Manuscript



Room-Localized Spoken Command Recognition in Multi-Room, Multi-Microphone Environments

Isidoros Rodomagoulakis, Athanasios Katsamanis, Gerasimos Potamianos, Panagiotis Giannoulis, Antigoni Tsiami, Petros Maragos

PII: S0885-2308(16)30351-5
DOI: 10.1016/j.csl.2017.02.004
Reference: YCSLA 828

To appear in: *Computer Speech & Language*

Received date: 7 November 2016
Revised date: 6 February 2017
Accepted date: 10 February 2017

Please cite this article as: Isidoros Rodomagoulakis, Athanasios Katsamanis, Gerasimos Potamianos, Panagiotis Giannoulis, Antigoni Tsiami, Petros Maragos, Room-Localized Spoken Command Recognition in Multi-Room, Multi-Microphone Environments, *Computer Speech & Language* (2017), doi: 10.1016/j.csl.2017.02.004

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.

ACCEPTED MANUSCRIPT

Highlights

- Always-listening recognition pipeline for multi-room smart spaces.
- Room-localized operation based on multi-room speech activity detection.
- Channel selection and decision fusion approaches in all pipeline components.
- Robust acoustic modeling based on far-field data simulation and per-channel adaptation.
- Systematic pipeline evaluation and optimization on both simulated and real corpora.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/4973724

Download Persian Version:

https://daneshyari.com/article/4973724

Daneshyari.com