



SPEECH COMMUNICATION

A publication of the [European Association for Signal Processing \(EURASIP\)](http://www.eurasip.org) and of the [International Speech Communication Association \(ISCA\)](http://www.isca-speech.org)

AUTHOR INFORMATION PACK

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DESCRIPTION

Speech Communication is a publication of the European Association for Signal Processing (EURASIP), which can be located at <http://www.eurasip.org> and the International Speech Communication Association (ISCA), which can be located at <http://www.isca-speech.org>.

Speech Communication is an interdisciplinary journal whose primary objective is to fulfil the need for the rapid dissemination and thorough discussion of basic and applied research results. In order to establish frameworks to inter-relate results from the various areas of the field, emphasis will be placed on viewpoints and topics of a transdisciplinary nature. The editorial policy and the technical content of the Journal are the responsibility of the Editors and the Institutional Representatives. The Institutional Representatives assist the Editors in the definition and the control of editorial policy as well as in maintaining connections with scientific associations, international congresses and regional events. The [Editorial Board](#) contributes towards the gathering of material for publication and assists the Editors in the editorial process.

Editorial Policy:

The journal's primary objectives are:

- to present a forum for the advancement of human and human-machine speech communication science;
- to stimulate cross-fertilization between different fields of this domain;
- to contribute towards the rapid and wide diffusion of scientifically sound contributions in this domain.

Subject Coverage:

Subject areas covered in this journal include:

- Basics of **oral communication** and dialogue: modelling of production and perception processes; phonetics and phonology; syntax; semantics and pragmatics of speech communication; cognitive aspects.
- Models and tools for **language learning**: functional organisation and developmental models of human language capabilities; acquisition and rehabilitation of spoken language; speech & hearing defects and aids.
- **Speech signal processing**: analysis, coding, transmission, enhancement, robustness to noise.
- Models for **automatic speech communication**: speech recognition; language identification; speaker recognition; speech synthesis; oral dialogue.
- **Development** and **evaluation** tools: monolingual and multilingual databases; assessment methodologies; specialised hardware and software packages; field experiments; market development.

- **Multimodal human computer interface:** using speech I/O in combination with other modalities, e.g., gesture and handwriting.
- **Forensic speech science:** forensic voice comparison; forensic analysis of disputed utterances; speaker identification by earwitnesses.

AUDIENCE

Researchers and Engineers in the fields of Speech Sciences and Speech Technology.

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INTRODUCTION

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- Forensic speech science: forensic voice comparison; forensic analysis of disputed utterances; speaker identification by earwitnesses.

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