

## **Call for proposals for the organization of the 20<sup>th</sup> International Congress of Phonetic Sciences**

The call for proposals for the organization of the 20<sup>th</sup> International Congress of Phonetic Sciences (20<sup>th</sup> ICPhS) is now open. The 20<sup>th</sup> ICPhS will take place in 2023, four years after the 19<sup>th</sup> ICPhS to be held in Melbourne in August 2019. Bids for the 20<sup>th</sup> ICPhS organisation need to be prepared before the 19<sup>th</sup> ICPhS Congress and defended at the 19<sup>th</sup> ICPhS venue before the Permanent Council for the Organisation of the International Congress of Phonetic Sciences. The deadline for the submission of bids is 30 May 2019.

Scholars interested in submitting a proposal for the organization of the 20<sup>th</sup> International Congress of Phonetic Sciences are asked to consult the guidelines available at <https://www.internationalphoneticassociation.org/content/icphs>. They can also contact the President of the Permanent Council of the ICPhS, Adrian Simpson, [adrian.simpson@uni-jena.de](mailto:adrian.simpson@uni-jena.de), for further information.

The International Congress of Phonetic Sciences is held under the auspices of the International Phonetic Association and provides an interdisciplinary forum for the presentation of basic and applied research in the phonetic sciences. The main areas covered by the Congress are speech production, speech acoustics, speech perception, speech prosody, sound change, phonology, sociophonetics, language typology, first and second language acquisition, forensic phonetics, speaking styles, voice quality, clinical phonetics and speech technology. The last three Congresses were held in Saarbrücken (16<sup>th</sup>, 2007), Hong Kong (17<sup>th</sup>, 2011) and Glasgow (18<sup>th</sup>, 2015), and each was attended by 800 - 1000 participants from all over the world.

Adrian Simpson

President of the Permanent Council of the International Congress of Phonetic Sciences

[adrian.simpson@uni-jena.de](mailto:adrian.simpson@uni-jena.de)

# Language and Linguistics

Books and Journals from  
Cambridge University Press

We are the world's leading publisher in language and linguistics, with a wide-ranging list of journals and books covering the scope of this discipline.

Our publishing encompasses theoretical, applied and sociolinguistics, and represents a breadth of subfields, including grammar and syntax, phonetics and phonology, semantics and pragmatics, historical linguistics, discourse and conversation analysis, psycholinguistics and neurolinguistics, and first and second language acquisition.

Our acclaimed book list includes state-of-the-art monographs as well as major reference works, guides to research methods, and textbooks at all levels.

For further details visit:

[cambridge.org/core-language-and-linguistics](http://cambridge.org/core-language-and-linguistics)

Cambridge  
Core



CAMBRIDGE  
UNIVERSITY PRESS



# Cambridge Core

The new home of  
Cambridge Journals  
[cambridge.org/core](http://cambridge.org/core)

Cambridge Core



CAMBRIDGE  
UNIVERSITY PRESS

## International Phonetic Association Council 2015–2019

### *Executive*

PATRICIA A. KEATING, USA (*President*)  
ADRIAN P. SIMPSON, Germany (*Vice-President*)  
GERARD DOCHERTY, Australia (*Secretary*)

AMALIA ARVANITI, UK (*Editor*)  
MICHAEL G. ASHBY, UK (*Treasurer*)

### *Full Council Member List*

DR. KOFI E. ADU-MANYAH, Ghana

PROF. AMALIA ARVANITI, UK

MR MICHAEL G. ASHBY, UK

DR. PATRICIA D. S. ASHBY, UK

PROF. PLINIO ALMEIDA BARBOSA, Brazil

PROF. DR. EMER. WILLIAM J. BARRY, UK

PROF. PATRICE SPEETER BEDDOR, USA

PROF. GERARD DOCHERTY, Australia

PROF. EMER. JOHN H. ESLING, Canada

PROF. JANET FLETCHER, Australia

DR. CÉCILE FOUGERON, France

PROF. DR. MARTINE GRICE, Germany

PROF. DR. JONATHAN HARRINGTON, Germany

PROF. KEITH JOHNSON, USA

PROF. PATRICIA A. KEATING, USA

PROF. ASHER LAUFER, Israel

DR. WAI-SUM LEE, Hong Kong

PROF. EMER. IAN MADDIESON, USA

DR. ALEXIS MICHAUD, Vietnam

PROF. AILBHE N. NI CHASAIDE, Ireland

ASSOC. PROF. KATERINA NICOLAIDIS, Greece

PROF. FRANCIS J. NOLAN, UK

PROF. DANIEL RECASENS, Spain

PROF. DR. ADRIAN P. SIMPSON, Germany

PROF. MARIA-JOSEP SOLÉ, Spain

PROF. JANE STUART-SMITH, UK

ASSOC. PROF. MARIJA TABAIN, Australia

PROF. MASAKI TANIGUCHI, Japan

PROF. JACQUELINE VAISSIÈRE, France

PROF. EMER. JOHN C. WELLS, UK

## International Phonetic Association

For general information on the International Phonetic Association please visit <https://www.internationalphoneticassociation.org/>. The IPA maintains a site with information on the International Phonetic Alphabet, on available phonetic fonts and sound recordings, on subscription to the Association, and on examinations in phonetics. It also has links to other sources of information on phonetics.

Audio files of the recorded material accompanying the language Illustrations in the *Handbook of the International Phonetic Association*, published by Cambridge University Press in 1999, may be downloaded from the following web site:

<https://www.internationalphoneticassociation.org/content/handbook-ipa>

Audio files of the recorded material accompanying language Illustrations published in the *Journal of the International Phonetic Association* since 1998 (after the publication of the *Handbook of the International Phonetic Association*) may be downloaded from the following privileged-access website available to registered members of the IPA:

<https://www.internationalphoneticassociation.org/content/sound-recordings>

### Membership services and publications

The annual dues of the Association for the current year are £26 for full membership and £13 for student membership. Both types of membership include online access to the Journal. Application for membership, and payment, should be made online at:

<https://www.internationalphoneticassociation.org/content/membership>

Life membership (with online Journal access) is obtainable by paying the equivalent of twenty years' annual dues (£520).

Members in any category can additionally receive print copies of the Journal (three issues each year) by paying an annual print supplement (£20 for 2017, and subject to annual review).

### Copying

This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organizations in the USA who are also registered with the C.C.C. may, therefore, copy material (beyond the limits permitted by sections 107 and 108 of U.S. Copyright law) subject to payment to the C.C.C. of the per copy fee of \$12.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0025-1003/2017. ISI Tear Sheet Service, 3501 Market Street, Philadelphia, PA 19104, USA, is authorized to supply single copies of separate articles for private use only. Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions. For all other use, permission should be sought from Cambridge or from the American Branch of Cambridge University Press.

# Journal of the International Phonetic Association

Volume 47 Number 1 April 2017

## ARTICLES

**Natasha Warner & Benjamin V. Tucker**

An effect of flaps on the fourth formant in English

1

**Sam Kirkham**

Ethnicity and phonetic variation in Sheffield English liquids

17

**Ho-hsien Pan**

Glottalization of Taiwan Min checked tones

37

**Pittayawat Pittayaporn & James Kirby**

Laryngeal contrasts in the Tai dialect of Cao Bằng

65

## ILLUSTRATIONS OF THE IPA

**Jerold A. Edmondson, John H. Esling & LAMA Ziwo** (拉玛兹西): Nuosu Yi

87

**David Deterding & Ishamina Athirah:** Brunei Malay

99

**Savithry Namboodiripad & Marc Garellek:** Malayalam (Namboodiri Dialect)

109

## CORRIGENDUM

**Savithry Namboodiripad & Marc Garellek:** Malayalam (Namboodiri Dialect) – CORRIGENDUM

119

## REVIEW

**San Duanmu:** *The phonology of Standard Chinese*

(Jie Zhang)

121

Cambridge Core

For further information about this journal  
please go to the journal website at:

[cambridge.org/ipa](http://cambridge.org/ipa)



**MIX**  
Paper from  
responsible sources  
**FSC® C007785**

**CAMBRIDGE**  
UNIVERSITY PRESS