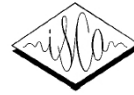




UZH
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XVII AISV CONFERENCE

**Speaker Individuality in Phonetics and Speech Sciences:
Speech Technology and Forensic Applications**

Thursday 4th - Friday 5th February 2021



Programme

Thursday 4th February

08:40 Platform opening

09:00 Conference opening

09:20 **Plenary Lecture 1 (Chair: Volker Dellwo)**

KIRSTY MCDUGALL

Ear-Catching versus Eye-Catching? Some Developments and Current Challenges in Earwitness Identification Evidence

10:20 Break

Oral session 1 (Chair: Elisa Pellegrino)

10:40 KATHARINA KLUG, MICHAEL JESSEN AND ISOLDE WAGNER

Collection and analysis of multi-condition audio recordings for forensic automatic speaker recognition

11:00 THAYABARAN KATHIRESAN, ARJUN VERMA AND VOLKER DELLWO

Gender bias in voice recognition: An i-vector-based gender-specific automatic speaker recognition study

11:20 BENJAMIN O'BRIEN, ALAIN GHIO, CORINNE FREDOUILLE, JEAN-FRANÇOIS BONASTRE AND CHRISTINE MEUNIER

Discriminating speakers using perceptual clustering interface

11:40 BRUCE XIAO WANG, VINCENT HUGHES AND PAUL FOULKES

System performance and speaker individuality in LR-based forensic voice comparison

12:00 **Posterslam (Chair: Stefano Negrinelli)**

Poster session 1

13:20 Lunch break

Oral session 2 (Chair: Michele Loporcaro)

14:20 ADRIAN LEEMANN, PÉTER JESZENSZKY, CARINA STEINER AND HANNAH HEDEGARD

Earwitness evidence accuracy revisited: Estimating age, weight, height, education, and geographical origin

14:40 HANNA RUCH, ANDREA FRÖHLICH AND MARTIN LORY

Clustering of unknown voices

15:00 SIMONA SBRANNA, CATERINA VENTURA, AVIAD ALBERT AND MARTINE GRICE

Prosodic marking of information status in L1 Italian and L2 German

15:20 LOREDANA SCHETTINO, SIMON BETZ, FRANCESCO CUTUGNO AND PETRA WAGNER
Hesitations and Individual Variability in Italian Tourist Guides' Speech

15:40 Break

Oral session 3 (Chair: Camilla Bernardasci)

16:00 SONIA D'APOLITO AND BARBARA GILI FIVELA
Realizzazione di suoni nativi nel parlato di Italiano L2 da parte di parlanti francofoni: Interazione tra accuratezza e contesto

16:20 SALVATORE GIANNINÒ, CINZIA AVESANI, GIULIANO BOCCI AND MARIO VAYRA
Prosodia implicita ed esplicita: convergenze e divergenze nella risoluzione di ambiguità sintattiche globali

16:40 ROSALBA NODARI AND SILVIA CALAMAI
I silenzi dei matti. Gli spazi 'vuoti' del parlato nell'archivio sonoro di Anna Maria Bruzzone

17:00 SILVIA CALAMAI, MARIA FRANCESCA STAMULI AND ALESSANDRO CASELLATO
Un percorso condiviso per la redazione di un Vademecum sulla conservazione, la descrizione, l'uso e il riuso delle fonti orali

17:20 Break

17:30 **Franco Ferrero Award**

AISV General Meeting

Friday 5th February

08:40 Platform opening

09:00 **Plenary Lecture 2 (Chair: Stephan Schmid)**

HELEN FRASER

Forensic transcription: Scientific and legal perspectives

10:00 Break

Oral session 4 (Chair: Davide Garassino)

10:20 ANGELIKA BRAUN

The quest for speaker individuality – a challenge for forensic phonetics

10:40 JUSTIN LO

Seeing the trees in the forest: Diagnosing individual performance in likelihood ratio based forensic voice comparison

11:00 ADAS LI, PETER FRENCH, VOLKER DELLWO AND ELEANOR CHODROFF

Analysing the effect of language on speaker-specific speech rhythm in Cantonese-English bilinguals

11:20 LEI HE

Characterizing speech rhythm using spectral coherence between jaw displacement and speech temporal envelope

11:40 HONGLIN CAO AND XIAOLIN ZHANG

The Current Situation of the Application of Evidence of Forensic Phonetics in Courts of China

12:00 **Posterslam (Chair: Dalila Dipino)**

Poster session 2

13:20 Lunch break

Oral session 5 (Chair: Dieter Studer-Joho)

14:20 ADRIANA HANULÍKOVÁ

Do faces speak volumes? A life span perspective on social biases in speech comprehension and evaluation

14:40 NICOLAS AUDIBERT, CÉCILE FOUGERON AND ESTELLE CHARDENON

Do you remain the same speaker over 21 recordings?

15:00 STEFON FLEGO AND JON FORREST

Interspeaker variation in anticipatory coarticulation: A whole-formant approach

- 15:20 LAURA SMORENBURG AND WILLEMIJN HEEREN
Forensic value of acoustic-phonetic features from Standard Dutch nasals and fricatives
- 15:40 LEONARDO CONTRERAS ROA, PAOLO MAIRANO, CAROLINE BOUZON AND MARC
CAPLIEZ
*The acquisition of /s/ - /z/ in a phonemic vs neutralised context: comparing FrenchL1, ItalianL1 and
SpanishL1 learners of L2 English*
- 16:00 Break
- 16:20 **Round table**
Current trends and issues in forensic phonetics research
Moderated by: PETER FRENCH
Participants: VOLKER DELLWO, HELEN FRASER, MIRKO GRIMALDI, MICHAEL JESSEN,
KIRSTY MCDUGALL AND LUCIANO ROMITO
- 18:00 Closing remarks

Poster session 1

- 1 CECILIA VALENTINI AND SILVIA CALAMAI
Sull'insegnamento della pronuncia italiana negli anni sessanta a bambini e a stranieri
- 2 VALENTINA DE IACOVO, MARCO PALENA AND ANTONIO ROMANO
La variazione prosodica in italiano: l'utilizzo di un chatbot Telegram per la didattica assistita per apprendenti di italiano L2 e nella valutazione linguistica delle conoscenze disciplinari
- 3 CHIARA BERTINI, PAOLA NICOLI, NICCOLÒ ALBERTINI AND CHIARA CELATA
A 3D model of linguopalatal contact for VR biofeedback
- 4 CLAUDIO ZMARICH, SERENA BONIFACIO, MARIA GRAZIA BUSÀ, BENEDETTA COLAVOLPE, MARIAVITTORIA GAIOTTO AND FRANCESCO OLIVUCCI
Coarticulation and VOT in four Italian children from 18 to 48 months of age
- 5 ALICE ALBANESI, SONIA CENCESCHI, CHIARA MELUZZI AND ALESSANDRO TRIVILINI
Italian monozygotic twins' speech: a preliminary forensic investigation
- 6 MARCO MARINI, MAURO VIGANÒ, MASSIMO CORBO, MARINA ZETTIN, GLORIA SIMONCINI, BRUNO FATTORI, CLELIA D'ANNA, MASSIMILIANO DONATI AND LUCA FANUCCI
The first Italian Dysarthric Speech Database for improving daily living of severely dysarthric people
- 7 ELISA PELLEGRINO AND VOLKER DELLWO
Dynamics of short-term cross-dialectal accommodation. A study on Grison and Zurich German
- 8 ALEJANDRA PESANTEZ
L2 speakers' individual differences in the acoustic properties of the front-high English vowels: The case of Ecuadorian speakers
- 9 ÁLVARO MOLINA-GARCÍA
Acoustics and Perception do not match in Andalusian Spanish
- 10 UMAR MUHAMMAD, PETER FRENCH AND ELEANOR CHODROFF
A Comparative Analysis of Nigerian Linguist Native Speakers and Untrained Native Speakers Categorising Four Accents of Nigerian English
- 11 MEIKE DE BOER AND WILLEMIJN HEEREN
Language-dependency of /m/ in L1 Dutch and L2 English
- 12 DAVIDE GARASSINO, DALILA DIPINO AND FRANCESCO CANGEMI
Modeling intonation in interaction. A new approach to the intonational analysis of questions in (semi-)spontaneous speech

Poster session 2

- 13 DUCCIO PICCARDI AND FABIO ARDOLINO
Variazione e user engagement. Un approfondimento sulla ludicizzazione dei protocolli d'inchiesta linguistica
- 14 MANUELA FRONTERA
Radici identitarie e mantenimento linguistico. Il caso di un gruppo di heritage speakers di origine calabrese
- 15 GLENDA GURRADO
Sulla codifica e decodifica della sorpresa
- 16 MARCO FARINELLA, MARCO CARNAROGLIO AND FABIO CIAN
Una nuova idea di "impronta vocale" come strumento identificativo e riabilitativo
- 17 ELLIOT HOLMES
Using Phonetic Theory to Improve Automatic Speaker Recognition
- 18 CHLOË FARR, GRACELLIA PURNOMO, AMANDA CARDOSO, ARIAN SHAMEI AND BRYAN GICK
Speaker Accommodations and VUI Voices: Does Human-likeness of a Voice Matter?
- 20 ANNA HUSZÁR, VALÉRIA KREPSZ, ALEXANDRA MARKÓ AND TEKLA ETELKA GRÁCZI
Formant variability in five Hungarian vowels with regard to speaker Discriminability
- 21 CLAUDIA ROSWANDOWITZ, THAYABARAN KATHIRESAN, ELISA PELLEGRINO, VOLKER DELLWO AND SASCHA FRÜHHOLZ
First indications for speaker individuality and speech intelligibility in state-of-the-art artificial voices
- 22 LEI HE AND WILLEMJN HEEREN
Between-speaker variability in dynamic formant characteristics in spontaneous speech
- 23 YU ZHANG, LEI HE, KARNTHIDA KERDPOL AND VOLKER DELLWO
Between-speaker variability in intensity slopes: The case of Thai
- 24 CAROLINA LINS MACHADO
A cross-linguistic study of between-speaker variability in intensity dynamics in L1 and L2 spontaneous speech