



30th annual conference of the International Association for Forensic Phonetics and Acoustics

Monday, July 11, 2022

9:00	Registration	
9:30	Conference opening	
Chair: Tomáš Bořil		
9:40	Vincent Hughes, Carmen Llamas and Thomas Kettig A game-based approach to eliciting and evaluating likelihood ratios for speaker recognition	pdf
10:00	Fernanda Lopez-Escobedo and N. Sofía Huerta-Pacheco Web application that generates reference values of acoustic parameters for forensic studies in Mexican Spanish	pdf
10:20	Elliot Holmes Recognising socio-phonetically comparable speakers using phonetic approaches to automatic speaker recognition	S pdf
10:40	Finnian Kelly, Harry Swanson, Kirsty McDougall and Anil Alexander Classifying non-speech vocalisations for speaker recognition	pdf
<i>11:00 - 11:30 Coffee break</i>		
Chair: Radek Skarnitzl		
11:30	PLENARY TALK Francis Nolan Will forensic speech scientists still need ears?	
<i>12:15 - 13:45 Lunch</i>		
Chair: Alice Paver		
13:45	Kristina Tomić and Peter French Voice quality and voice similarity in cross-language forensic speaker comparison – Perception experiments	S pdf
14:05	Valeriia Perepelytsia, Nathalie Giroud, Tugce Aras, Martin Meyer and Volker Dellwo Neural underpinnings of familiar talker advantage: an EEG study	S pdf

14:25	Willemijn Heeren, Laura Smorenburg and Erica Gold Optimizing the strength of evidence: Combining segmental speech features	pdf
14:45 – 15:15 <i>Coffee break</i>		
Chair: Alice Paver		
15:15	Jim Hoskin and Paul Foulkes Shifting the Burden: towards more robust and transparent procedures for LADO	S pdf
15:35	James Tompkinson, Kate Haworth, Emma Richardson, Felicity Deamer and Magnus Hamann For the Record: Improving standards in the production of non-expert police interview transcripts	pdf
16:00 – 17:30 Poster session I		
18:00	Students' meeting	

Tuesday, July 12, 2022

Chair: Richard Rhodes		
9:00	Ben Gibb-Reid, Paul Foulkes and Vincent Hughes Just the way you are: The potential of the word just as a speaker discriminant	S pdf
9:20	Laura Smorenburg and Willemijn Heeren The effect of linguistic contexts on the acoustics and strength-of-evidence of /s/	S pdf
9:40	Alice Paver, Natalie Braber and David Wright Listener judgements for social traits and criminal behaviours as a function of speaker pitch and articulation rate	pdf
10:00	Nikita Suthar and Peter French Role of within-vowel formants in forensic speaker comparison	S pdf
10:20 – 10:50 <i>Coffee break</i>		
Chair: Jan Volín		
10:50	PLENARY TALK Susanne Fuchs Flexibility and stability of respiration in human actions	
11:50 – 13:20 <i>Lunch</i>		
Chair: Jan Volín		
13:20	Leah Bradshaw and Volker Dellwo Speech variability in telephone openings and its implications for speaker discrimination	S pdf
13:40	Luke Carroll and Georgina Brown Towards a perceptual rhythm framework for forensic analysis: methodological developments	S pdf

14:00 – 15:30 Poster session II	
15:30 – 16:00 Coffee break	
16:00	AGM
19:00 – 23:00 Conference dinner	

Wednesday, July 13, 2022

Chair: Radek Skarnitzl	
10:00	PLENARY TALK Petr Schwarz Current trends in voice biometry research and industrial efforts
Chair: Tomáš Bořil	
10:50	Simon Gonzalez An acoustic-phonetic description of diphthongs in Venezuelan Spanish pdf
11:10 – 11:40 Coffee break	
11:40	Honglin Cao, Chuyi Pan and Lei He Speech length threshold in forensic voice comparison by using long-term fundamental frequency in Chinese Mandarin pdf
Chair: Volker Dellwo	
12:00	Arjan van Dijke Case report: Forensic analysis of a ticking clock in a recording pdf
12:20	Vincent van Heuven and Sandra Ferrari Disner Utility of length-normalization for predicting trademark sound-alikes from Levenshtein string edit distance pdf
12:40	Francis Nolan, Nikolas Pautz, Kirsty McDougall, Katrin Müller-Johnson, Harriet Smith and Alice Paver The impact of reflection and retention intervals on earwitness accuracy: Two experiments pdf
13:00	Conference closing

Poster session I

Monday, July 11, 16:00 – 17:30

PB = poster board

PB 1	Jakub Bortlík The performance of two ASR systems in language mismatch, foreign accent, and channel mismatch conditions pdf
PB 2	Leah Bradshaw, Chiara Tschirner, Lena Jäger and Volker Dellwo Using eye-tracking as a method to explore decision making in voice recognition tasks S pdf

PB 3	Linda Gerlach, Kirsty McDougall, Finnian Kelly and Anil Alexander Seeking voice twins – an exploration of VoxCeleb using automatic speaker recognition and two clustering methods	S pdf
PB 4	Lauren Harrington The effect of listener accent background on the transcription of Standard Southern British English	S pdf
PB 5	Alžběta Houzar, Tomáš Nechanský and Radek Skarnitzl Impact of vocal tract resonance modifications on LTF and f0	S pdf
PB 6	Vincent Hughes and Bruce Wang Forensic experts should focus on uncertainty rather than discriminability	pdf
PB 7	Katharina Klug Assessing the specificity of creaky voice quality for forensic speaker comparisons	S pdf
PB 8	Carolina Lins Machado and Lei He Inter-speaker variability in the American English /æ/ and /ɑ/: a dynamic view from both tongue articulation and the first two formants	pdf
PB 9	Sarah Melker Salient cues to age identity in an LX: a longitudinal pilot study on a female L1 Hungarian speaking English	pdf
PB 10	Sophie Möller and Gea de Jong-Lendle When singing becomes illegal	S pdf
PB 11	Bryony Nuttall, Phillip Harrison and Vincent Hughes Automatic Speaker Recognition performance with (mis)matched bilingual speech material	pdf
PB 12	Elisa Pellegrino, Homa Asadi and Volker Dellwo Voice discrimination across speaking styles	pdf
PB 13	Sascha Schäfer and Paul Foulkes Voice memory as an estimator variable in lay speaker identification tasks	S pdf
PB 14	Ravina Toppo and Sweta Sinha Unmasking identity through acoustic analysis: A case study of Indian English	pdf
PB 15	Raphael Werner, Juergen Trouvain and Bernd Möbius Speaker discrimination and classification in breath noises by human listeners	S pdf

Poster session II

Tuesday, July 12, 14:00 – 15:30

PB 1	Homa Asadi, Maral Asiaee and Volker Dellwo Acoustic variation within Persian-English bilingual speakers	pdf
PB 2	Meike de Boer and Willemijn Heeren Language-dependency of /s/ in L1 Dutch and L2 English	S pdf
PB 3	Ricky K.W. Chan and Bruce Xiao Wang Evidential value of long-term laryngeal voice quality acoustics	pdf
PB 4	Lois Fairclough Exploring covariation as a marker of speaker specificity	S pdf

PB 5	Andrea Fröhlich, Volker Dellwo and Meike Ramon The quest to find auditory 'Super-Recognizers' - Results from a pilot study	pdf
PB 6	Bence Halpern and Finnian Kelly Can DeepFake voices steal high-profile identities?	S pdf
PB 7	Lauren Harrington, Robbie Love and David Wright Analysing the performance of automated transcription tools for covert audio recordings	S pdf
PB 8	Vincent Hughes, Paul Foulkes, Philip Harrison, David van der Vloed and Finnian Kelly Person-specific automatic speaker recognition: understanding the behaviour of individuals for applications of ASR	pdf
PB 9	Jacek Kudera and Bernd Möbius Auditory and machine-based identification of closely related languages: A comparison of methods for LADO procedure	pdf
PB 10	Beeke Muhlack, Jürgen Trouvain and Michael Jessen Acoustic characteristics of filler particles in German	S pdf
PB 11	Amanda Muscat Speaker/author profiling in Maltese	S pdf
PB 12	Tomáš Nechanský, Alžběta Houzar and Radek Skarnitzl The effect of free voice-disguise methods on ASR performance	S pdf
PB 13	Vojtěch Skořepa and Radek Skarnitzl Notorious and new voice: How does a professional imitator fare?	S pdf
PB 14	Bruce Wang and Vincent Hughes Reducing the degree of uncertainty within automatic speaker recognition systems using a Bayesian calibration model	pdf
PB 15	Samantha Williams Analysis of Forced Aligner Performance on Non-native (L2) English Speech	S pdf