



Welcome to the 31st IAFPA Conference!
Zurich, July 9-12, 2023

(S denotes papers and posters eligible for student papers/posters awards)

Evening of Sunday, 9th July 2023
Students: 5:30 PM
All attendees: 6:30 PM

Conference Opening and Welcome Drinks
@ETH Dozentenfoyer

Time DAY 1 (Monday, 10th July 2023)

8:30-9:00 AM *Registration*

9:00 AM Conference Welcome

Special Session 1: Case reports

Chair: Andrea Föhlich

9:20-9:40 AM **Vincent van Heuven**
 You're on the wrong track! Some disputed utterances in a two-channel phone tap

9:40-10:00 AM **Arjan van Dijke**
 Forensic analysis of audio recordings using the Electric Network Frequency method: a case study

10:00-10:20 AM **Angelika Braun and Jacek Kudara**
 The influence of mismatch conditions on LRs

10:20-10:40 AM **Mirjam de Jonge and Tina Cambier-Langeveld**
 Blind Grouping: Practical Implementation

10:40-11:00 AM **Honglin Cao, Sixue Gao, Xiaodong Xu and Yue Zhong**
 Case report: how was the disputed audio recording stopped?

11.00-11:15 AM *Coffee Break*

11:15-12:15 AM **Plenary 1: Petr Motlicek**
Speaker verification and identification for criminal investigations and forensics

12:15-1:15 PM *Lunch*

1:15-2:30 PM **Poster Session 1**

2:30-4:00 PM **Workshop 1: Tina Cambier-Langeveld and Christin Kirchhübel**
Let's talk about Bayes!

4:00-4:25 PM *Coffee Break*

Oral Session 1: Speaker discrimination

Chair: Paula Rinke

4:25-4:45 PM **Alice Paver, Kirsty McDougall and Francis Nolan**
Is pitch equally powerful for the auditory discrimination of low-, mid- and high-pitched voices?

4:45-5:05 PM **Valeriia Perepelytsia and Volker Dellwo**
Own-age bias in voice recognition by younger and older adults

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5:05-5:25 PM **Vincent Hughes, Carmen Llamas and Thomas Kettig**
The effect of other forensic evidence and expert opinions on lay listener perceptions in voice comparison tasks

5:25-5:45 PM **Leah Bradshaw, Eleanor Chodroff and Volker Dellwo**
Exploring the relationship between acoustic-phonetic and perceived voice similarity

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Evening **Students' drinks @Frau Gerolds Garten**

Time **DAY 2 (Tuesday, 11th July 2023)**

9:00-10:30 AM	Workshop 2: Volker Dellwo and Herbert Masthoff Doing Casework	Workshop 3: Philip Harrison and Amelia Gully Breaking the chain: exploring the limits of interpreting audio evidence
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10:30-10:45 AM *Coffee Break*

Oral Session 2: Methodology

Chair: Valeriia Perepelytsia

10:45-11:05 AM **Lauren Harrington and Richard Rhodes**

	Forensic transcription: a survey of expert transcription practices in Europe and North America	S
11:05-11:25 AM	Helen Fraser, Debbie Loakes, Ute Knoch and Lauren Harrington Towards accountable evidence-based methods for producing reliable transcripts of indistinct forensic audio	
11:25-11:45 AM	Hanna Ruch, Andrea Fröhlich and Sarah Lim Clustering a large number of unknown voices	
11:45-12:05 AM	Kirsty McDougall, Pautz Nikolas, Peter Goodwin, Francis Nolan, Katrin Müller-Johnson, Alice Paver and Harriet M.J. Smith An investigation of the effect of warning strength on voice parade performance	
12:05-1:05 PM	<i>Lunch</i>	
1:05-2:15 PM	Poster Session 2	
	Oral Session 3: Spoofed speech <i>Chair: Lois Fairclough</i>	
2:15-2:35 PM	Radek Skarnitzl, Tomáš Nechanský and Alžběta Houzar Acoustic, perceptual and ASR analysis of targeted voice manipulations	
2:35-2:55 PM	Linda Gerlach, Finnian Kelly, Kirsty McDougall and Anil Alexander A convincing voice clone? Automatic voice similarity assessment for synthetic speech samples	S
2:55-3:15 PM	Daniel Denian Lee, Kirsty McDougall, Finnian Kelly and Anil Alexander PASS (Phonetic Assessment of Spoofed Speech): Towards a human-expert-based framework for spoofed speech detection	S
3:15-3:30 PM	<i>Coffee Break</i>	
3:30-4:30 PM	Plenary 2: Prof. Dr. Catalin Grigoras Digital Audio Authentication: Framework, Challenges and Solutions	
4.30-5.30 PM	Annual General Meeting of the Association	
7:00 PM	Conference Dinner (BBQ @Campus Irchel)	

Time	DAY 3 (Wednesday, 12th July 2023)
9:30-10:30 AM	Plenary 3: Dr. Georgina Brown Synthetic speech is more than a threat

Oral Session 4: ASR

Chair: Linda Gerlach

- 10:30-10:50 AM** **Vincent Hughes, Jessica Wormald, Paul Foulkes, Philip Harrison, Poppy Welch, Chenzi Xu, Finnian Kelly and David van der Vloed**
Effects of vocal variation on the output of an automatic speaker recognition system
- 10:50-11:10 AM** **Chenzi Xu, Vincent Hughes, Jessica Wormald, Paul Foulkes, Philip Harrison, Poppy Welch, Finnian Kelly and David van der Vloed**
Impact of the changes in long-term acoustic features upon different-speaker ASR scores
- 11:10-11:30 AM** **Michael Jessen, Anil Alexander, Thomas Coy, Oscar Forth and Finnian Kelly**
CON(gruence)-plots for assessing agreement between voice comparison systems
- 11:30 – 11:50 AM** *Coffee Break*

Special Session 2: Casework practices

Chair: Lauren Harrington

- 11:50-12:10 AM** **Christin Kirchhuebel, Georgina Brown and Luke Carroll**
The future of evidential voice analysis in the UK: 'Self-employed' is not a dirty word
- 12:10-12:30 AM** **Richard Rhodes, Katherine Earnshaw, Bryony Nuttall, Edie Murray and Peter French**
Casework Procedures & Information Management Strategies
- 12:30-12:50 AM** **Colleen Kavanagh, Peter Milne and Emily Lawrie-Munro**
Forensic Voice Comparison in Canada
- 12:50-1:10 PM** **Isolde Wagner, Dagmar Boss and Vincent Hughes**
Best Practice Manual for the Methodology of Forensic Speaker Comparison - A Framework Document developed within ENFSI
- 1:10-1:30 PM** *Closing*

Poster Session 1

DAY 1 (Monday, 10th July, 11:15-2:30 PM)

PB = poster board

PB 1 a	Ben Gibb-Reid It's all like yeah: Assessing the speaker discriminant potential of yeah	S
PB 2 a	Chloe Patman, Paul Foulkes and Vincent Hughes Smile with your eyes! The impact of face coverings on speech comprehension and perceptions of speaker attributes	S
PB 3 a	Luke Carroll and Georgina Brown To what extent can expert listeners distinguish between speakers based on speech rhythm?	S
PB 4 a	James Tompkinson and Kate Haworth The perception and interpretation of additional information in legally relevant transcripts	
PB 5 a	Lois Fairclough, Georgina Brown and Christin Kirchhübel Taking a closer look at formants for the purpose of voice comparison: a meta-analysis of research literature	S
PB 6 a	Paula Rinke, Nadine Lavan and Mathias Scharinger Personality ratings for male and female speakers of different age groups	S
PB 7 a	Alexandra Lieb and Gea de Jong-Lendle The Vocal Parameters of Dissociative Identity Disorder	S
PB 8 a	Marlon Siewert, Linda Gerlach, Anil Alexander, Gea de Jong Lendle, Alfred Lameli and Roland Kehrein Automatic Speaker Recognition: does dialect switching matter?	
PB 9 a	Gea de Jong-Lendle Voice parade guidelines: what happened since?	
PB 10 a	Adrian Leemann, Carina Steiner, Péter Jeszenszky and Yara Miescher	

Reaction time predicts accuracy in the estimation of speaker origin

PB 1 b **Elisa Pellegrino, Enrico Varano, Alexis Hervais-Adelman, Nadine Lavan and Volker Dellwo**

Predicting a face from a voice and a voice from a face: the effect of expressive audio-visual information on cross-modal identity matching

PB 2 b **Kristina Tomić and Peter French**

Vocal Profile Analysis as a Tool in Cross-Language Forensic Speaker Comparison

PB 3 b **Beeke Muhlack and Omnia Ibrahim**

Filler particles and pausing behaviour in Egyptian Arabic

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PB 4 b **Georgina Brown and Christin Kirchhübel**

The possibilities that come with using whole voice comparison processes in voice comparison research

PB 5 b **Yu Zhang, Lei He and Volker Dellwo**

Within-speaker fundamental frequency variations in bi-dialectal speakers: The case of Mandarin and Danyang dialect

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PB 6 b **David Grünert, Alexandre de Spindler and Volker Dellwo**

Speaker Diarization Systems in the Context of Forensic Audio Analysis

Poster Session 2

DAY 2 (Tuesday, 11th July, PM)

PB 1 a **Hannah Hedegard, Priska Hubbuch and Simonette Favaro-Buschor**

Language Analysis in the Swiss Asylum System: Towards Inclusive Collaboration and Best Practice

PB 2 a **Timo Becker and Herbert Masthoff**

Machine Assisted Voice Evaluation (MAVE)

PB 3 a **Fernanda López-Escobedo, N. Sofía Huerta-Pacheco and Iván Vladimir Meza Ruiz**

Questioning the authorship of the voice of a famous Mexican painter. An acoustic-phonetic approach to the case

PB 4 a **Angelika Braun and Nathalie Elsässer**

Are hesitation patterns individual?

PB 5 a **Ellen Grand and Georgina Brown**

Towards automatic speech recognition in police operations: the difference that real case resources can make

- PB 6 a** **Philip Harrison, Paul Foulkes, Vincent Hughes, Poppy Welch, Jessica Wormald and Chenzi Xu**
Interactive Visualisation of Speech Data in Virtual Reality
- PB 7 a** **Linda Gerlach, Luke Carroll, Lois Fairclough, Ben Gibb-Reid, Lauren Harrington, Daniel Denian Lee, Alexandra Lieb, Sophie Möller, Chloe Patman, Alice Paver, Sascha Schäfer, Marlon Siewert, Nikita Suthar, M. Gabriela Valenzuela Farías, Samantha Williams, Georgina Brown and Christin Kirchhübel**
Learning by doing: An example of casework-relevant training in forensic speech science
- PB 8 a** **David Wright, Alice Paver and Natalie Braber**
The effects of voice stereotypes on voice parades
- PB 9 a** **Caroline Kleen and Angelika Braun**
Regional accent identification by naïve listeners
- PB 10 a** **André Saraiva, Attila Fejes, Jelena Devenson and Vasile-Dan Sas**
Multilingual voices database and COVID protection masks effect in Forensic Speaker Recognition
- PB 1 b** **Bruce Xiao Wang, Lei He**
Exploring the Articulatory Perspective of Mel-Frequency Cepstral Coefficients: Unravelling the Link between MFCCs and Vocal Tract Features
- PB 2 b** **Sonia Cenceschi, Francesco Roberto Dani and Alessandro Trivilini**
VocalHUM: real-time whisper-to-speech enhancement
- PB 3 b** **Alanna Tibbs**
Exposure to a greater range of emotions and speech qualities make an ear witness more reliable at identifying a voice?
- PB 4 b** **Alessandro De Luca and Volker Dellwo**
A guide on the exploration of the vocal identity space
- PB 5 b** **Bahar Akgün Okumus and Ayfer Batmaz**
The effects of sinusitis and voice core polyp surgery on forensic speaker diagnosis and recognition examination

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