

## **Dr Jessica Wormald: Summary Curriculum Vitae**

Dr Jessica Wormald (BA MSc PhD) is a forensic consultant at J P French Associates. She has been involved in over a hundred cases in the areas of speaker comparison and transcription and works for both prosecution and defence. She has carried out research into new and developing accents in different locations in the UK, which utilised forensic methodologies as well as more innovative ultrasound and automatic methods. Dr Wormald is a member of the International Association for Forensic Phonetics and Acoustics (IAFPA) and the British Association of Academic Phoneticians (BAAP). She is an Associate Lecturer on the MSc in Forensic Speech Science at the University of York.

### **Positions**

Forensic consultant, J P French Associates, York

2013-2015: Postgraduate Teacher, Department of Language and Linguistic Science, University of York

### **Qualifications**

BA (First class) in Language and Linguistic Science, University of York

MSc in Forensic Speech Science, University of York

PhD in Linguistics (Sociophonetics), University of York

### **Memberships**

Member of the International Association for Forensic Phonetics and Acoustics

Member of the British Association of Academic Phoneticians

### **Publications**

Hughes, V. & Wormald, J. (2020) Sharing innovative methods, data and knowledge across sociophonetics and forensic speech science. *Linguistics Vanguard: Special Issue on Innovative Methods in Sociophonetics* 5(4), DOI: <https://doi.org/10.1515/lingvan-2018-0062>

Brown, G. & Wormald, J. (2017) Automatic Sociophonetics: exploring corpora with a forensic accent recognition system. *JASA: Special Issue on Advancing Methods for Analyzing Dialect Variation*, 142 (1), p.422-433, DOI: <http://dx.doi.org/10.1121/1.4991330>

Kirkham, S. & Wormald, J. (2015) Acoustic and Articulatory Variation in British Asian English Liquids. *Proceedings of ICPhS XVIII*. Glasgow.

Wormald, J. (2015) Dynamic Variation in 'Panjabi-English': Analysis of F1 and F2 trajectories for FACE /eɪ/ and GOAT /əʊ/. *Proceedings of ICPhS XVIII*. Glasgow.

Wormald, J. (2014) Bradford Panjabi-English: the Realisation of FACE and GOAT. *YPL Special Issue: Proceedings of the first PARLAY conference. Issue 1*, p.118-138.

### **Presentations & invited talks**

Wormald, J. (2019) Forensic Speech Science. UCL Voice Conference, Institute of Cognitive Neuroscience, UCL, UK. 29<sup>th</sup> November. [Invited]

Wormald, J. (2019) Listening to crime: working as a forensic speech analyst. CLCR Research Seminar Series. University of Cardiff, UK. 3<sup>rd</sup> April. [Invited]

Hughes, V. and Wormald, J. (2018) Data Sharing: Solutions. *WYRED Project: Data Sharing Satellite Event*. University of Huddersfield, UK. 2<sup>nd</sup> August. [Invited]

Wormald, J. (2018) Population data in casework. *WYRED Project: Data Sharing Satellite Event*. University of Huddersfield, UK. 2<sup>nd</sup> August. [Invited]

McDougall, K., Rhodes, R., Duckworth, M., French, J. P., Kirchhübel, C. and Wormald, J. (2018) Applying Disfluency Analysis in Forensic Speaker Comparison Casework. *IAFPA conference*. University of Huddersfield, UK. 30<sup>th</sup> July.

- Wormald, J. (2018) A Life in Headphones: Working as a Forensic Speech Analyst. *Presentation given at the Institute of Acoustics: Speech and Hearing Group AGM*. London, UK. 21st June. [Invited]
- Hughes, V., Wormald, J., Gold, E., Kendall, T., Rose, Y. and Schilling, N. (2017) Sociolinguistics and forensic speech science: knowledge- and data-sharing. *Workshop given at NWAV46*. University of Wisconsin-Madison, US. 2nd November.
- French, J. P., Harrison, P., Kirchhübel, C., Rhodes, R. and Wormald, J. (2017) From Receipt of Recordings to Dispatch of Report: Opening the Blinds on Lab Practices. *IAFPA conference*. Split, Croatia. 9th July.
- Rhodes, R., French, J.P., Harrison, P., Hughes, V., Kirchhübel, C. and Wormald, J. (2017) Which questions, propositions and ‘relevant populations’ should a speaker comparison expert assess? *IAFPA conference*. Split, Croatia. 9th July.
- Hughes, V. and Wormald, J. (2017) WikiDialects: a resource for assessing typicality in forensic voice comparison. *IAFPA conference*. Split, Croatia. 9th July. [Poster]
- Wormald, J. (2017) Regional variation in ‘Panjabi English’: the realisation of /r/ in two English contact varieties. *WSC4*. University of Edinburgh, 20th April. [Poster]
- Hughes, V. and Wormald, J. (2017) Assessing typicality in forensic voice comparison: How can sociophonetics help? (and how can sociophonetics benefit?). *IMS*. University of Edinburgh, 19th April.
- Brown, G., Jenkins, M., Wormald, J. and Watt, D. (2017) A tin ear for accents? Human vs. machine in accent classification and authentication tasks. *IMS*. University of Edinburgh, 19th April.
- Kirchhübel, C., Bhagdin, A., French, P., Harrison, P., Rhodes, R. and Wormald, J. (2016) Understanding of forensic speaker comparison conclusions in the legal setting. *IAFPA conference*. University of York, 27th July.
- Wormald, J. (2016) Regional variation in Panjabi-English: a contact variety corpus. *IAFPA conference*. University of York, 24th July. [Poster]
- Wormald, J., French, J. P., Harrison, P. T., Kirchhübel, C., Rhodes, R. and Watt, D. (2016) Voice quality in Panjabi English: sociophonetic and forensic considerations. *BAAP conference*. Lancaster University, UK. 1st April.
- Wormald, J. (2016) Settings or segments: Fronting patterns in varieties of English. *Linguistics research seminar*. University of Huddersfield, UK. 9th March. [Invited]
- Wormald, J. (2015) Voice quality in ‘Panjabi-English’: Innovation, diffusion or language contact? *Research Seminar*. University of Glasgow, UK. 29th October. [Invited]
- Wormald, J. (2015) Voice quality variation in Panjabi-English: Characterisation using the Vocal Profile Analysis scheme. *UKLVC 10*. University of York, UK. 2nd September. [Poster]
- Kirkham, S. & Wormald, J. (2015) Articulatory variation in a contact variety: Liquids in British Asian English. *UKLVC 10*. University of York, UK. 1st September.
- Wormald, J. & Kirkham, S. (2015) Articulation, Audition and Acoustics: An ultrasound tongue imaging study. *IAFPA conference*. University of Leiden, Holland. 9th July.
- Kirkham, S. & Wormald, J. (2015) An ultrasound study of language contact in Bradford English liquids. *ICLAVE 8*. University of Leipzig, Germany. 28th May.
- Wormald, J. (2015) Panjabi-English: Characterising a British contact variety. *Departmental talk*. University of Washington, US. 3rd April.
- Wormald, J. (2015) Investigating a British contact variety: Conducting fieldwork and analysing vowels. *Departmental talk*. University of Oregon, US. 30th March.
- Wormald, J. (2015) “It’s mixed, it’s like a cake, innit.” Characterising a British contact variety with a focus on rhotics. *Departmental colloquium*. University of Victoria, Canada. 26th March.
- Kirkham, S. & Wormald, J. (2014) An Ultrasound study of liquids in Bradford-English. *Research Seminar*. Lancaster University, UK. 27th November.

- Watt, D., Brown, G. & Wormald, J. (2014) Using zooplots to visualise interspeaker distances and automated accent classification accuracy in the Y-ACCDIST system. *IMPS*. Roskilde University, Denmark. 21st November.
- Brown, G. & Wormald, J. (2014) Speaker Profiling: An automatic method? IAFPA conference. University of Zürich, Switzerland. 2nd September.
- Wormald, J. (2014) Languages in Contact - the role of identity. *Wolfson Scholars' Symposium*. British Academy, UK. 30th June.
- Wormald, J. (2014) R-sandhi in Bradford Panjabi-English. *NEW6*. Lancaster University, UK. 16th April.
- Wormald, J. (2014) Phonetic realisations of /r/ in Bradford Panjabi-English. *ShefLingPGC*. University of Sheffield, UK. 4th February.
- Wormald, J. (2013) Innovation and transfer in Bradford Panjabi-English. *1st PARLAY conference*. University of York, UK. 6th September.
- Wormald, J. (2013) Regional variation in Panjabi-English. *Panel presentation at a postgraduate workshop*. University of St Andrews, UK. 25th March.

**Security Clearance:** Current clearance - SC