

Selina Jeanne Sutton: Curriculum Vitae

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My research expertise is at the intersection of human-computer interaction and sociolinguistics. I primarily focus on how social factors and the design of technology interact to affect the language and speech used, and how these are perceived, in computer-mediated communication. My general research interests, however, are far broader and include any element of human communication within technology. This has evolved from my multi and interdisciplinary experience gained through my diverse previous employment and education.

1. Qualifications

PhD: pending

March 17 – present.
(Including 6 months maternity leave)
Northumbria University, Newcastle upon Tyne.

Provisional thesis title: *“Exploring social media as a context for sociophonetic variation”*.

My PhD research brings together human-computer interaction and sociophonetics to investigate interaction via video from a new perspective. I am investigating how the configurations of online video sharing platforms can influence the ways in which people speak. Due to this being an unprecedented topic, my primary contribution to knowledge is how it is best to perform such research. Some of the methodological/method elements that I consider are ethics and legalities, and the conceptualization of time, space and place in order to select speech variables. The main product of the thesis will be a set of guidelines for future researchers who also wish to investigate this topic.

Supervisors: Prof. Shaun Lawson, Dr Marta Cecchinato.

External supervisors: Prof. David Kirk, Newcastle University. Prof. Paul Foulkes, University of York.

MSc Forensic Speech Science: Distinction.

Sept 15 – Sept 16.
University of York, York.

Core knowledge/skills obtained: overview of contexts for forensic speech science (e.g. voice line up, language as determination of origin); analysis of speech data using auditory and acoustic methods; grounding in the field of sociolinguistics, primarily variationist with focus on accent variation and change; use of specialist software (Praat, Sound Forge); training in probabilistic and Bayesian statistics and statistical software (SPSS, Rstudio and MATLAB).

BSc Speech and Language Therapy: 2:1.

Sept 08 – June 11.
University of Marjon, Plymouth.

Core knowledge/skills obtained: data collection through formal and informal assessment; evidence supported decision making; critique of research methods to ensure evidence-based, efficacious clinical practice; detailed, systematic records in patient notes; report and therapy plan writing for various audiences; how to handle confidential information with respect; counselling and conflict resolution strategies; how to design and provide training.

2. Employment

Doctoral Candidate and Research Assistant

March 17 – present.

- For information on doctoral studies, please see section 1.
- For information on teaching and assessment experience, please see section 4.

In addition to my doctoral studies and teaching and assessment activities, I was the NORTH Lab secretary from March 17 til April 19. NORTH Lab is Northumbria's university wide network of human-computer interaction researchers. Founded in early 2017, from its inception I designed and organized its activities, assisting to define the group's identity.

I organize the bi-monthly talks for internal and external speakers, as well as organize the annual 'PhD Welcome' session and the 'CHI practice day'; a mini conference where those presenting at that year's CHI conference have the opportunity to present and gain feedback within a supportive environment. I also manage the @NorSCLab and @NORTHLabHCI twitter accounts.

Research Support Assistant (part-time)

Aug 16 – Jan 17.

Northern Institute of Cancer Research, Newcastle University

- Responsibilities: costing projects for funding applications; expenses; finance statements and projected costings; explaining financial information to non-finance staff.

Research Assistant (part-time)

Sept 16 – Nov 16.

School of Education, Communication and Language Sciences, Newcastle University

- Responsibilities: reviewing literature and longitudinal corpus measurement tools.

Research Support Assistant

April 14 – Sept 15.

Northern Institute of Cancer Research, Newcastle University

- *Please see "Research Support Assistant (part-time). Aug 16 – Jan 17" above.*

Undergraduate Assessments Administrator

Sept 13 – March 14.

Department of Philosophy, University of York

- Responsibilities: administrative processes for essay submission, marking and feedback, external examiner approval, student records, and Mitigating Circumstances claims.

Research Assistant

June 12 – Aug 13.

Digital Interaction Group, School of Computing Science, Newcastle University

- Responsibilities: Writing project documents (e.g. data management protocols, consent forms, information sheets, ethics and governance forms); recruiting, and debriefing participants. Data collection: literature reviews, interviews, experiments. Data preparation and storage. Data analysis: video and audio annotation, thematic analysis.

Speech and Language Therapist

Dec 11 – May 12.

Portfield Special School, Hywel Dda Health Board, Pembrokeshire, Wales

- Caseload: 3 to 19 year olds with special educational and complex needs.
- Responsibilities: clinical assessment; provision of a report, therapy plan and goals; intervention design; delegation of therapy tasks; training; input monitoring, review; discharge or modify programme.

Research Assistant

Sept 11 – Dec 11.

Digital Interaction Group, School of Computing Science, Newcastle University

Please see "Research Assistant. June 12 – Aug 13." above.

3. Publications

i. Peer reviewed publications

Sutton S J. (2019) "I am from all over the world": Moving towards a healthier voice enabled internet by acknowledging how it is built. *1st International Conference on Conversational User Interfaces (CUI 2019)*, Dublin, Ireland, 22 – 23 August 2019.

<https://doi.org/10.1145/3342775.3342798>

Aylett, M P., **Sutton S J.**, and Vazquez-Alvarez Y. (2019) The Right Kind of Unnatural: Designing a Robot Voice. *1st International Conference on Conversational User Interfaces (CUI 2019)*, Dublin, Ireland, 22 – 23 August 2019. <https://doi.org/10.1145/3342775.3342806>

Sutton S J., Foulkes P., Kirk D., and Lawson S. (2019). Voice as a Design Material: Sociophonetic Inspired Design Strategies in Human-Computer Interaction. In *Proceedings of the 2019 ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2019)*, 4 – 9 May 2019, Glasgow, UK. Paper 603. [Paper acceptance rate 23.8%, h-index 86]. <https://doi.org/10.1145/3290605.3300833>

Sutton S., and Lawson S. (2017). A provocation for rethinking and democratizing emoji design. In *Proceedings of the 2017 ACM Conference Companion Publication on Designing Interactive Systems (DIS 2017)*, 10 – 14 June 2017, Edinburgh, UK, p. 7 – 12. [Overall acceptance rate 22%, h-index 25]. <https://doi.org/10.1145/3064857.3079109>

Long K., Vines J., **Sutton S.**, Brooker P., Feltwell T., Kirman B., Barnett J., and Lawson S. (2017). "Could You Define That in Bot Terms?": Requesting, Creating and Using Bots on Reddit. In *Proceedings of the 2017 ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2017)*, 6 – 11 May 2017, Denver, Canada, p. 3488-3500. [Overall acceptance rate 25%, h-index 86]. <https://doi.org/10.1145/3025453.3025830>

Davidson N., Vines J., Bartindale T., **Sutton S.**, Green D., Comber R., Balaam M., Olivier P., Vance G. (2017). Supporting Self-Care of Adolescents with Nut Allergy Through Video and Mobile Educational Tools. In *Proceedings of the 2017 ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2017)*, 6 – 11 May 2017, Denver, Canada, p. 1078-1092. [Overall acceptance rate 25%, h-index 86]. <https://doi.org/10.1145/3025453.3025680>

Brooker P., Vines J., **Sutton S.**, Barnett J., Feltwell T., Lawson S. (2015). Debating Poverty Porn on Twitter: Social Media as a Place for Everyday Socio-Political Talk. In *Proceedings of the 2015 ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2015)*, 18 – 23 April 2015, Seoul, Republic of Korea, p. 3177-3186. [Overall acceptance rate 25%, h-index 86]. <https://doi.org/10.1145/2702123.2702291>

Balaam M., Comber R., Jenkins E., **Sutton S.**, Garbett A. (2015). FeedFinder: A Location- Mapping Mobile Application for Breastfeeding Women. In *Proceedings of the 2015 ACM SIGCHI Conference on Human Factors in Computing Systems*, 18 – 23 April 2015, Seoul, Republic of Korea, p. 1709-1718. [Overall acceptance rate 25%, h-index 86]. <https://doi.org/10.1145/2702123.2702328>

Al-Megren S., Kharrufa A., Hook J., Holden A., **Sutton S.**, Olivier P. (2015). Comparing Fatigue when Using Large Horizontal and Vertical Multi-Touch Interaction Displays. In *Proceedings of the 15th International Federation of Information Processing Technical Committee on Human-Computer Interaction 13 International Conference (INTERACT 2015)*, 14 – 18 September 2015, Bamberg, Germany, p. 156-164. https://doi.org/10.1007/978-3-319-22723-8_13

i. Conference presentations

Sutton S, Foulkes P. (2018) Speech on YouTube – Vloggers and theories of style. *British Association of Academic Phoneticians (BAAP 2018)*, University of Kent, UK, 12th – 14th April 2018. (Abstract and poster). https://blogs.kent.ac.uk/baap/files/2018/03/BAAP-2018_SuttonFoulkes.pdf

Sutton S., and Lawson S. (2017). A provocation for rethinking and democratizing emoji design. In *Proceedings of the 2017 ACM Conference Companion Publication on Designing Interactive Systems (DIS 2017)*, 10th – 14th June 2017, Edinburgh, UK, p. 7 – 12. (Extended Abstract and poster).

Sutton S. (2016). Combining vowel formants and automatic speaker recognition variables in forensic voice comparison. In *Proceedings of the 25th Annual Conference of the International Association for Forensic Phonetics and Acoustics (IAFPA 25)*, 24th – 27th July 2016 University of York, UK, p. 130 - 131. (Abstract and poster).

Sutton S., Vines J., McNaney R., Webster M., and Olivier P. (2013). Trust and Evidence in an Online Community of Speech and Language Therapists: The Case of iPad Use. *Digital Economy 2013: Open Digital*. (Presentation).

ii. Non peer reviewed / press articles.

Sutton S J. It's not what is said, but how it is said—Sociophonetic inspired design strategies for VUI voice. *Medium.com* 30/04/2019. <https://medium.com/acm-chi/its-not-what-is-said-but-how-it-is-said-sociophonetic-inspired-design-strategies-for-vui-voice-851ec469ee65>

Sutton S J. Book review: English in Computer Mediated Communication. *Linguist List*. 19/03/2019. <http://linguistlist.org/issues/30/30-1257.html>

Sutton S. What universities can do to help pregnant PhD students. *Times Higher Education Online*. 06/03/2019. <https://www.timeshighereducation.com/opinion/what-universities-can-do-help-pregnant-phd-students>

Sutton S J. Emoji are becoming more inclusive, but not necessarily more representative. *The Conversation, UK*. 08/02/2019. <http://theconversation.com/emoji-are-becoming-more-inclusive-but-not-necessarily-more-representative-111388> 9,367 reads as of 16/02/2019

Sutton S J. Book review: Technolingualism, James Pfrehm. *Babel Magazine*. February 2019, Issue 26.

Sutton S J. Interdisciplinary PhDs: turning negatives into positives. *Times Higher Education Online*. 09/06/2018. <https://www.timeshighereducation.com/blog/interdisciplinary-phds-turning-negatives-positives>

Sutton S. Why decisions on emoji design should be made more inclusive. *The Conversation, UK*. 14/07/2017. <https://theconversation.com/why-decisions-on-emoji-design-should-be-made-more-inclusive-80912> 6,191 reads as of 16/02/2019

4. Research Impact

Interviewed for and quoted in: Stokel-Walker, C. From hijabs to pretzels – what makes an emoji? 16/09/2019. *The Guardian*. <https://www.theguardian.com/technology/2018/sep/16/what-makes-an-emoji-hijabs-pretzels>

5. Funding

Applicants: Dr Marta Cecchinato, **Selina Jeanne Sutton**, Dr Lisa Thomas

Title: *PLAN: Parental Leave At Northumbria*

Funder: Northumbria University Vice Chancellor Diversity and Inclusion Fund

Value: £2,500

6. Teaching and Assessment (at Northumbria University unless stated otherwise)

Autumn 2017 - present

- *Design of content* - Human-Computer Interaction lectures: i. Voice User Interfaces, ii. Essay writing [Level 5, 10 credits].
- *Delivery of content* – Acoustic Phonetic analysis (introduction to specialist software) [Level 5, 10 credits] Newcastle University.
- *Tutoring/Demonstrating* - Social Media Analysis [Level 5, 20 credits]; Code-wrangling for beginners (introduction to coding) [Level 3, 20 credits];
- *Assessment marking* - Human-Computer Interaction, Essay marking [Level 5, 10 credits]; Web Analytics module, report marking [Level 6, 20 credits]; The Business Environment Information Systems in the Business Environment, poster presentation assessment [Level 4, 20 credits]; Introduction to Computer Security and Forensics, exam paper marking [Level 4, 20 credits].
- *Student supervision* – Jade Young, undergraduate dissertation [Level 6, 40 credits]: “An investigation into how to effectively design an engaging spelling app that supports children based on the national curriculum”.

Further, the experience gained from my employment as an Assessment Administrator at the University of York (Sept 13 – March 14) has been invaluable during my teaching experience to date as I can engage with elements of teaching and assessment such as mitigating circumstances, reasonable adjustments for students with disabilities, quality assurance and quality enhancement, and internal and external module and programme design and review processes.

7. Academic and Professional Service

i. Membership of professional bodies

Associate Fellow of the Higher Education Authority	2019-
Association of Computing Machinery	2019-
British Association of Academic Phoneticians	2018-
International Association of Phonetics	2017-

ii. Review and conference committee membership

Local Chair for ICAD 2019: The 25th International Conference on Auditory Display, Newcastle upon Tyne, UK, 23rd til 27th of June 2019.

- Responsibilities: rooms and resources for workshops, catering, conference dinner, conference packs, badges, volunteers, poster session, liaising with central services (e.g. security, cleaners, estates, IT services), and social media.

Programme Committee member for the 13th Newcastle Postgraduates in Linguistics conference, Newcastle upon Tyne, UK, 4th April 2019.

- Responsibilities: Wrote and distributed the call for papers; helped co-ordinate the reviewing process; investigated options for conference dinner and liaised with restaurant; wrote and distributed the invitation to register; invited and liaised with plenary speakers; designed conference resources (attendee badges, certificate of attendance, conference programme).

Student volunteer for The 27th Annual Conference of the International Association of Forensic Phonetics and Acoustics (IAFPA), University of Huddersfield, UK, 29th July til 1st August 2018.

- Responsibilities: distributed the microphone during question sessions, provided technical support to presenters, collected and counted votes for the student prize, made sure presenter's slides were uploaded at the start of each session, generally helped out.

Reviewing: IndiaHCI 2019 (papers), DIS 2019 (papers), TVX 2019 (papers), CHI 2019 (papers and late-breaking work), DIS 2018 (papers), alt.chi 2018 (papers), CHI 2018 (papers), DIS 2017 (extended abstracts), Interact 2017 (papers).

iii. Departmental Committee membership

Athena SWAN Departmental Self-Assessment Team

03/2019-

iv. Other Activities

FoNETiks Jiscmail Editor

03/2019-

8. Awards and Prizes

- 3rd place, Northumbria University 3MT (Three Minute Thesis) competition, 2018.

7. Referees

i. Professor Shaun Lawson
(Professor of Social Computing),
shaun.lawson@northumbria.ac.uk
Computer and Information Sciences,
Northumbria University,
Newcastle Upon Tyne, NE1 8ST

ii. Professor Paul Foulkes
(Professor of Forensic Speech Science)
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Department of Language and Linguistic Science
University of York,
Heslington, York,
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iii. Dr Marta Cecchinato
(Lecturer in Human-Computer Interaction)
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Computer and Information Sciences,
Northumbria University,
Newcastle Upon Tyne, NE1 8ST

iv. Professor David Kirk
(Professor of Human-Computer Interaction)
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