

Brij Mohan Lal Srivastava

Ph.D., Computer Science

Speech & Privacy Researcher — speaker anonymization, differential privacy, ASR

Paris / Lille, France · brij.srivastava@icloud.com · +33 6 09 39 66 85 · [linkedin.com/in/brijsri](https://www.linkedin.com/in/brijsri) · scholar.google.com/citations?user=ucjN5cYAAAAJ · github.com/brijmohan · brijmohan.github.io · EN (fluent) / FR (DELFB1) / HI (native)

RESEARCH INTERESTS

Privacy-preserving speech processing; speaker anonymization and differential privacy for audio; evaluation and formal guarantees for privacy; automatic speech recognition for low-resource, code-switched, and multilingual speech; speech representation learning. Broadly, building speech and audio systems that are useful, measurable, and trustworthy.

PROFILE

Speech researcher (PhD, Inria) working on privacy-preserving speech. I develop acoustic representations that decouple biometric speaker identity from linguistic content using differential privacy, with formal, measurable guarantees. I am co-creator of the **VoicePrivacy Challenge**, the community benchmark for voice anonymization, and I serve on the Organizing Committee of the **SPSC Symposium** (ISCA). I have 20+ peer-reviewed publications (1,500+ citations, h-index 15, i10-index 22 on Google Scholar) and 2 pending patent applications. As founder of Nijta, I have also taken this research from the lab into low-latency, on-premise production (diarization, ASR, TTS, anonymization).

EDUCATION

- Ph.D., Computer Science** — Inria & Université de Lille (teams: Magnet, Multispeech)

Thesis: *Speaker Anonymization: Representation, Evaluation and Formal Guarantees*. Advisors: Aurélien Bellet, Emmanuel Vincent, Marc Tommasi.

2018 - 2021
- M.Sc. by Research, Computer Science** — IIIT Hyderabad (NLP & Speech)

2014 - 2016
- B.Tech., Computer Science** — SASTRA University | **Executive MBA** — IAE Lille (2024)

2007 - 2011

RESEARCH & PROFESSIONAL EXPERIENCE

- Nijta** | *Co-founder & CEO (applied speech research)* — Lille, France

 - Translated PhD research on privacy-preserving speech into production: end-to-end voice stacks (diarization, ASR, TTS, anonymization) with low-latency, on-premise (Dockerized) deployment.
 - Built a CNIL-recognised anonymization method with formal privacy guarantees; 2 pending patent applications; raised €3M to fund the research-to-product transition.

Oct 2021 - Present
- Inria** | *PhD Researcher* — Lille, France

 - Developed speaker anonymization with differential privacy and formal guarantees, decoupling biometric identity from linguistic and prosodic content.
 - Co-launched the **VoicePrivacy initiative and Challenge**; released open-source baselines and privacy/utility metrics now widely used across the speech community.

2018 - 2022
- Microsoft Research** | *Research Engineer* — Bengaluru, India

 - Research on low-resource and code-switched (Hindi-English) ASR; contributions shipped in Microsoft Cortana. First-author at Interspeech, co-author at ACL workshop (CALCS).
 - Contributed to the Gondi “Adivasi Radio” low-resource-language intervention (project led by Kalika Bali); published at LREC 2020, covered by the mainstream press.

2017 - 2018
- Voicefox** (acq. by Showpad) | *Research Engineer* — UK (remote)

 - Speaker diarization and audio segmentation for an automated meeting notetaker.

2017

PROFESSIONAL SERVICE & COMMUNITY

- Organizing Committee**, 6th Symposium on Security and Privacy in Speech Communication (SPSC), ISCA SPSC-SIG, 2026. **Co-organizer**, VoicePrivacy Challenge (VPC), 2020–present, and the ISCA SIG-SPSC Webinar Series.
- Conference reviewer**: NeurIPS 2026 · ICLR 2026 · Interspeech 2026 · IEEE SLT 2026 · Odyssey 2026 (Speaker & Language Recognition Workshop) · SPSC 2026.
- Journal reviewer**: IEEE/ACM Transactions on Audio, Speech, and Language Processing (TASLP) · Neurocomputing (Elsevier). Member, ISCA and its SPSC Special Interest Group. Adjunct Faculty, IMT Nord Europe (digital speech processing), 2022–present.

HONOURS & PATENTS

- Best Tech Leader, KPMG France (2024) · Bpifrance i-Lab & i-PhD laureate · Top 100 in Tech, La French Tech Lille (2023). 2 patent applications filed (PCT / international), pending, on privacy-preserving voice anonymization.

SELECTED PUBLICATIONS

Google Scholar: scholar.google.com/citations?user=ucjN5cYAAAAJ · † denotes first author. Full list on Scholar / brijmohan.github.io.

JOURNAL ARTICLES

Srivastava, B. M. L.†, et al. "Privacy and utility of x-vector based speaker anonymization." *IEEE/ACM Transactions on Audio, Speech, and Language Processing* 30 (2022): 2383–2395.

Shamsabadi, A. S., **Srivastava, B. M. L.**, Bellet, A., Vauquier, N., Vincent, E., Maouche, M., Tommasi, M., Papernot, N. "Differentially private speaker anonymization." *Proceedings on Privacy Enhancing Technologies (PoPETs)* (2023).

Tomashenko, N., Wang, X., Vincent, E., ..., **Srivastava, B. M. L.**, et al. "The VoicePrivacy 2020 Challenge: results and findings." *Computer Speech & Language* 74 (2022).

Srivastava, B. M. L.†, Abraham, B., Sitaram, S., Mehta, R., Jyothi, P. "End-to-end ASR for code-switched Hindi-English speech." (2019).

CONFERENCE PROCEEDINGS

Tomashenko, N., Miao, X., Champion, P., Meyer, S., Wang, X., Vincent, E., ..., **Srivastava, B. M. L.**, et al. "The VoicePrivacy 2024 Challenge Evaluation Plan." 2024.

Vauquier, N., **Srivastava, B. M. L.**, Hosseini, S. A., Vincent, E. "Legally validated evaluation framework for voice anonymization." *Interspeech* 2025.

Maouche, M., **Srivastava, B. M. L.**, Vauquier, N., Bellet, A., Tommasi, M., Vincent, E. "Enhancing speech privacy with slicing." *Interspeech* 2022.

Srivastava, B. M. L.†, Vauquier, N., Sahidullah, M., Bellet, A., Tommasi, M., Vincent, E. "Evaluating voice conversion-based privacy protection against informed attackers." *ICASSP* 2020.

Srivastava, B. M. L.†, Tomashenko, N., Wang, X., Vincent, E., Yamagishi, J., Maouche, M., Bellet, A., Tommasi, M. "Design choices for x-vector based speaker anonymization." *Interspeech* 2020.

Tomashenko, N., **Srivastava, B. M. L.**, Wang, X., Vincent, E., Nautsch, A., Yamagishi, J., Evans, N., et al. "Introducing the VoicePrivacy initiative." *Interspeech* 2020.

Maouche, M., **Srivastava, B. M. L.**, Vauquier, N., Bellet, A., Tommasi, M., Vincent, E. "A comparative study of speech anonymization metrics." *Interspeech* 2020.

Srivastava, B. M. L.†, Bellet, A., Tommasi, M., Vincent, E. "Privacy-preserving adversarial representation learning in ASR: reality or illusion?" *Interspeech* 2019.

Srivastava, B. M. L.†, Sitaram, S. "Homophone identification and merging for code-switched speech recognition." *Interspeech* 2018.

Sivasankaran, S., **Srivastava, B. M. L.**, Sitaram, S., Bali, K., Choudhury, M. "Phone merging for code-switched speech recognition." *ACL Workshop on Computational Approaches to Linguistic Code-Switching (CALCS)* 2018.

Srivastava, B. M. L.†, et al. "Interspeech 2018 low-resource ASR challenge for Indian languages." *SLTU* 2018.

Mehta, D., Santy, S., Mothilal, R. K., **Srivastava, B. M. L.**, Sharma, A., Shukla, A., et al. "Learnings from technological interventions in a low-resource language: a case-study on Gondi." *LREC* 2020.

Srivastava, B. M. L.†, Vydana, H. K., Vuppala, A. K., Shrivastava, M. "Significance of neural phonotactic models for large-scale spoken language identification." *IJCNN* 2017.

Danda, P., **Srivastava, B. M. L.**, Shrivastava, M. "Vaidya: a spoken dialog system for the health domain." *ICON* 2016.

Srivastava, B. M. L.†, Shrivastava, M. "Articulatory gesture-rich representation learning of phonological units in low-resource settings." *SLSP* 2016.

SELECTED INVITED TALKS

"Speaker Anonymization: Representation, Evaluation and Formal Guarantees," PhD defence, Inria Lille (2021).

"Recent approaches towards Speaker Anonymization," EAB Research Projects Conference (2020).

"Privacy in Speech Processing," LIUM, Le Mans (2020).