5ᵗʰ ISCA SPSC Symposium

Call for Papers

Speech is becoming an increasingly important means for human-computer interaction with numerous deployments in biometrics, forensics and, most importantly, information access through virtual voice assistants. Alongside these developments, the need for robust, secure algorithms and applications which guard the user's security and privacy emerged at the forefront of speech-based research and development.

The fifth edition of the Symposium on Security & Privacy in Speech Communication, focuses on speech and voice through which we express ourselves. As speech communication can be used to command virtual assistants to transport emotion or to identify oneself. The symposium tries to give answers to the question on how we can strengthen security and privacy for speech representation types in user-centric human/machine interaction. The symposium therefore sees that interdisciplinary exchange is in high demand and aims to bring together researchers and practitioners across multiple disciplines – more specifically: signal processing, cryptography, security, human-computer interaction, law, and anthropology.

We welcome contributions to related topics, as well as progress reports, project dissemination, or theoretical discussions and "work in progress". In addition, guests from academia, industry and public institutions as well as interested students are welcome to attend the conference without having to make their own contribution. All accepted submissions will appear in the symposium proceedings published in the ISCA Archive.

SPSC TOPICS	
Technical perspectives include (but are not limited to):	Humanities and social perspectives include (but are not limited to):

➢ **Privacy-preserving speech communication**
  ○ Speech Recognition and Processing
  ○ Speech Perception, Production, and Acquisition
  ○ Speech Synthesis
  ○ Speech Coding and Enhancement
  ○ Speaker and Language Identification
  ○ Phonetics, Phonology, and Prosody
	➢ **Human-Computer Interfaces (Speech as Medium)**
	  ○ Usable Security and Privacy
	  ○ Ubiquitous Computing
	  ○ Pervasive Computing and Communication
	  ○ Cognitive Science
	➢ **Ethics & Law**
	  ○ Privacy and Data Protection

- o   Paralinguistics
- ➢ **Cybersecurity**
  - o   Privacy Engineering and Secure Computation
  - o   Network Security and Adversarial Robustness
  - o   Mobile Security
  - o   Cryptography
  - o   Biometrics
- ➢ **Machine Learning**
  - o   Federated Learning
  - o   Disentangled Representations
  - o   Differential Privacy
  - o   Distributed Learning
- ➢ **Natural Language Processing**
  - o   Web as Corpus and Resources
  - o   Tagging, Parsing and Document Analysis
  - o   Discourse and Pragmatics
  - o   Machine Translation
  - o   Linguistic Theories and Psycholinguistics
  - o   Inference of Semantics and Information Extraction
- o   Media and Communication
- o   Identity Management
- o   Electronic Mobile Commerce
- o   Data in Digital Media
- ➢ **Digital Humanities**
  - o   Acceptance and Trust Studies
  - o   User Experience research on practice
  - o   Co-development across disciplines
  - o   Data-citizenship
  - o   Future studies
  - o   Situated Ethics
  - o   STS perspectives

Submission:

Papers intended for the SPSC Symposium should be up to eight pages of text. The length should be chosen appropriately to present the topic to an interdisciplinary community. Paper submissions must conform to the format defined in the paper preparation guidelines and as detailed in the author's kit or the Overleaf Template.

Papers must be submitted via the online paper submission system via the Link on the SPSC Website. The working language of the conference is English, and papers must be written in English. All accepted papers will be published in the ISCA archive alongside Interspeech papers and related ISCA workshops.

At least one author of each paper must be registered for the Symposium. We may offer hybrid participation but will change the format of presentation for virtual participants.

Reviews:

At least three double-blind reviews will be provided, and we aim to obtain feedback from interdisciplinary experts for each submission.

Important Dates:

IMPORTANT DATES AND DEADLINES

Long paper (up to 8 pages, excl. references) submission deadline	**June 01, 2025**
Short papers (up to 4 pages excl. references) submission deadline	**June 01, 2025**
Author notification (long and short)	July 15, 2025
Final (camera-ready) paper submission	**August 02, 2025**
Symposium	August 16, 2025

Venue:

The venue of the Symposium will be published soon, we are planning to have it co-located with Interspeech. Hybrid participation is possible

Sponsors: