



# SPSC Symposium

## Call for Late Breaking Results

**Speech** is becoming an increasingly important means for human-computer interaction with numerous deployments in biometry, 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 first edition of the [Symposium on Security & Privacy in Speech Communication](#) aims at laying the first building blocks required to address this question and brings together researchers and practitioners across multiple disciplines – more specifically: signal processing, cryptography, security, human-computer interaction, law and anthropology. By integrating different disciplinary perspectives on speech-enabled technology and applications, the SPSC Symposium opens opportunities to collect and merge input regarding technical and social practices, as well as a deeper understanding of the situated ethics at play. As a result, we also seek to identify “the kind of labor that goes into interdisciplinary collaboration”.

After the submission for regular papers is due, we now call for **Late Breaking Results!**

### **What is Late breaking work?**

Late-Breaking Work submissions represent work such as preliminary results, provoking and current topics, novel experiences or interactions that may not have been fully validated yet, cutting edge or emerging work that is still in exploratory stages, smaller-scale studies, or novel questionnaires, evaluation methods. However, Late-Breaking Work papers are still expected to bring a contribution to the SPSC community, commensurate with the preliminary, short, and quasi-informal nature of this track.

### **Why submit to Late-breaking work Track at the SPSC Symposium?**

Accepted Late-Breaking Work papers will be presented in a (virtual) poster session during the symposium. This provides an opportunity for researchers to receive feedback on

early-stage work, explore potential collaborations, and otherwise engage in exciting thought-provoking discussions about their work in an informal setting that is significantly less constrained than a paper presentation. The Late-Breaking Work track also offers those new to the SPSC community a chance to share their preliminary research as they become familiar with this field.

#### **Submission:**

Late-Breaking Work papers intended for the SPSC Symposium should have a maximum of two pages of text. An optional third page can be used for references only. Paper submissions must conform to the format defined in the paper preparation guidelines and as detailed in the [author's kit](#).

The paper should be submitted in PDF format and through the [online paper submission system](#) in the "Late-Breaking Work" track. Due to the tight publication timeline, it is recommended that authors submit a very nearly finalized paper that is as close to camera-ready as possible, as there will be a very short timeframe for preparing the final camera-ready version and no deadline extensions can be granted.

#### **Review:**

Late-Breaking Work papers will be evaluated to the extent that they are presenting work still in progress, rather than complete work which is under-described in order to fit into the Late-Breaking Work format. The Late-Breaking Work track will undergo an external peer review process. Submissions will be evaluated by a number of factors including (1) the relevance of the work to the SPSC Community, (2) the quality of the submission, and (3) the degree to which it "fits" the Late-Breaking Work track (e.g., in-progress results). More particularly, the quality of the submission will be evaluated based on the potential contributions to the research of the SPSC community.

#### **Attendance:**

At least one author of all accepted LBR submissions must register for and attend the conference, including the conference Late-Breaking Work session.

#### **Topics regarding the technical perspective include but are not limited to:**

- [Speech Communication](#)
  - Spoken Language Processing
  - Speech Recognition
  - Speech Perception, Production and Acquisition

- Speech Synthesis and Spoken Language Generation
- Speech Coding and Enhancement
- Speaker and Language Identification
- Phonetics, Phonology and Prosody
- Paralinguistics in Speech and Language
- Analysis of Speech and Audio Signals
- **Cyber security**
  - Secure Computation
  - Privacy Engineering
  - Network Security and Adversarial Robustness
  - Mobile Security
  - Cryptography
  - Biometrics
- **Machine Learning**
  - Federated Learning
  - Disentangled Representations
  - Differential Privacy
  - Collaborative/centralized Learning
- **Natural Language Processing**
  - Web as Corpus, Resources and Evaluation
  - Tagging, Summarization, Syntax and Parsing
  - Question Answering, Discourse and Pragmatics
  - Machine Translation and Document Analysis
  - Linguistic Theories and Psycholinguistics
  - Inference of Semantics and Information Extraction

**Topics regarding the humanities' view include but are not limited to:**

- **Human-Computer Interfaces (Speech as Medium)**
  - Usable Security and Privacy
  - Ubiquitous Computing
  - Quality
  - Pervasive Computing and Communication
  - Cognitive Science
- **Ethics & Law**
  - Privacy and Data Protection
  - Media and Communication
  - Identity Management
  - Electronic Mobile Commerce
  - Data in Digital Media
- **Digital Humanities**

- Acceptance and Trust Studies
- User Experience research on practice
- Co-development across disciplines
- Data-citizenship
- Future studies
- Situated Ethics
- STS perspectives

**Important Dates:**

September 26, 2021 submission deadline (fixed, no extension possible)

October 10, 2021 author notification

October 13, 2021 final paper submission

November 10-12, 2021 SPSC Symposium