

2022 Jelinek Summer Workshop on Speech and Language Technology

CALL FOR PROPOSALS

Deadline: **Monday, November 8, 2021.**

We are pleased to invite one page research proposals for a
6-8 Week Residential Research Workshop on Speech and Language Technology
at Johns Hopkins University
from June 13 to August 5, 2022 (Tentative)

After a hiatus forced by the global pandemic, **one-page proposals** are again invited for the annual Frederick Jelinek Memorial Workshop in Speech and Language Technology. Proposals should aim to advance the state of the art in Human Language Technology (HLT) or any closely related area in Artificial Intelligence, including Computer Vision and Healthcare. Proposals may address emerging topics or long-standing problems. Areas of interest in 2022 include but are **not limited to**:

SPEECH PROCESSING: *Any aspect of intelligent speech processing, e.g. far-field speech, speaker and language recognition, sentiment and emotion detection, spoken dialog systems; techniques that generalize in spite of limited training data; speech technology for **under-served** languages and dialects of the US/world.*

NATURAL LANGUAGE PROCESSING: *Neural architectures for NLP; knowledge discovery from text in multimodal context; novel approaches to semantic parsing, question-answering, dialog; translation of informal text, speech translation, simultaneous translation, etc.; cross-language information retrieval; summarization.*

HLT FOR HEALTHCARE: *speech and language technology in health monitoring, healthcare delivery in hospitals or the home, or for public health; information extraction from electronic health records.*

COMPUTER VISION AND HLT: *Image understanding in textual context; linguistic description of images or video; visual search from text queries; multimodal speaker/face recognition; handwriting recognition & OCR.*

These workshops are a continuation of the Johns Hopkins University CLSP summer workshop series, and will be hosted by various partner universities on a rotating basis. The research topics selected for investigation by teams in past workshops should serve as good examples for prospective proposers: <https://www.clsp.jhu.edu/workshops/>

All received proposals will be peer-reviewed cursorily *for suitability*. Results of this screening will be communicated by **November 15**, 2021. Travel conditions permitting, authors of feasible proposals will be invited to an interactive peer-review meeting in Baltimore on **December 3-5**, 2021. Proposals will be revised at this meeting to address any outstanding concerns or new ideas. Two or three research topics and the teams to tackle them will be selected at this meeting for the 2022 workshop.

We attempt to bring the best researchers to the workshop to collaboratively pursue research on the selected topics. Each topic brings together a diverse team of researchers and students. Authors of successful proposals typically lead these teams. Other senior participants come from academia, industry and government. Graduate student participants familiar with the field are selected in accordance with their demonstrated performance. Undergraduate participants, selected through a national search, are rising star seniors: new to the field and showing outstanding academic promise.

If you are interested in participating in the 2022 Summer Workshop we ask that you submit a **one-page research proposal** for consideration, detailing the problem to be addressed. *If a topic in your area of interest is chosen as one of the topics to be pursued next summer, we expect you to be available to participate in the workshop for 6+ weeks.* We are not asking for an ironclad commitment at this juncture, just a good faith commitment that if a project in your area of interest is chosen, you will actively pursue it. We in turn will make a good faith effort to accommodate any personal/logistical needs to make your travel, residence, and participation in the workshop, including airfare, housing, meals and incidentals.

While we intend/hope to have an in-person planning meeting, and feel strongly that a residential workshop has been key to past successes, we recognize the uncertainty caused by the still ongoing COVID-19 pandemic, and are preparing for hybrid and fully virtual events, if necessary.

Please submit proposals to [<jsalt2022@lists.johnshopkins.edu>](mailto:jsalt2022@lists.johnshopkins.edu) by **Monday, 11/08/2021.**