Speech Technology and Research Laboratory

Current Team Members:
Dimitra Vergyri, Murat Akbacak, Arindam Mandal, Jing Zheng, Wen Wang, Kristin Precoda

Unique Capabilities

- Spoken term detection
  - 2006 NIST evaluation
- State-of-the-art speech recognition
  - Multiple languages, domains, genres
  - Systems developed under DARPA EARS, GALE, and TRANSTAC programs
  - All NIST LVCSR evaluations in the last decade
- ASR and NLP techniques for a variety of languages
  - Pashto, Dari, Farsi, Malay, dialectal Arabic, Mandarin, Filipino, Spanish...
- Phonetics, grammar modeling
- Software engineering, system integration

Capabilities Sought

- Machine learning
- Corpus linguistics
- Noise robust audio processing

Research Areas

- Spoken term detection/ Audio search
- Multilingual/Multidialectal modeling
- Noise robustness
- Speech recognition
- NLP including highly inflected languages
- Sparse data modeling
- Speech analytics
- Language ID/Dialect ID/ Speaker ID
- Topic spotting
- Information extraction

Contact:
Dimitra Vergyri / Wen Wang
SRI International
{dverg, wwang}
@speech.sri.com
650-859-5698
www.speech.sri.com