

# INTERSPEECH2011

Florence, Italy / August 27-31, 2011

<http://www.interspeech2011.org>

## Call for Papers

INTERSPEECH is the world's largest and most comprehensive conference on challenges surrounding the science and technology of Spoken Language Processing (SLP) both in humans and in machines.

The theme of INTERSPEECH 2011 will be: “**Speech science and technology for real life**” and under this theme the conference will emphasize an interdisciplinary approach covering all aspects of speech science and technology spanning the basic theories to applications. Besides regular oral and poster sessions, plenary talks by internationally renowned experts, tutorials, exhibits, and special sessions are planned. A number of satellite events will take place immediately before and after the conference. Please follow the details of these and other news at our website [www.interspeech2011.org](http://www.interspeech2011.org).

We invite you to submit original papers in any related area, including but not limited to:

### Speech Perception and Production

- Human speech and sound perception
- Human speech production
- Physiology and pathology of spoken language

### Phonology, Phonetics

- Phonology and phonetics
- First Language acquisition
- Second language acquisition, development and learning
- Prosody (e.g., production, perception, prosodic structure, modeling)

### Para-/Non- linguistic Information

- Paralinguistic and nonlinguistic cues (e.g., emotion and expression)
- Non-verbal interaction (e.g., facial expression, gesture)

### Language Processing

- Computational linguistics for SLP
- Discourse and dialogue
- Intersection of spoken and written languages
- Written language processing for SLP

### Analysis, Enhancement and Coding of Speech and Audio Signals

#### Analysis of Speech and Audio Signals

- Speech analysis and representation

Speech and audio segmentation and classification  
Voice activity detection  
Signal processing for music and song

### **Enhancement and Coding**

Speech enhancement  
Source separation  
Speech coding and transmission

### **Speaker and Language Identification**

Speaker characterization and recognition  
Language and dialect identification  
Speaker diarization

### **Speech & Spoken Language Generation, Speech Synthesis**

Speech synthesis and spoken language generation  
Voice conversion

### **Automatic Speech Recognition (ASR)**

#### **ASR - signal processing & acoustic modeling**

ASR: feature extraction  
ASR: acoustic models

#### **ASR - architecture, search & linguistic components**

ASR: lexical and prosodic models  
ASR: language models  
ASR: search, keyword spotting and confidence measures  
ASR: cross-lingual & multi-lingual aspects  
ASR: tone languages  
ASR: new paradigms

#### **ASR - robustness and adaptation**

ASR: robustness against noise, reverberation, etc.  
ASR: adaptation to speaker, bandwidth, emotion, etc.

#### **LVCSR and its applications**

Systems for LVCSR and rich transcription

#### **Technologies and Systems for New Applications**

Multimodal/multimedia signal processing (including A/V ASR, A/V diarization, sign languages)  
Cross-lingual and multi-lingual speech processing  
Applications for aged and handicapped persons  
Applications for learning and education  
Spoken language technology for prosthesis, rehabilitation, wellness and welfare

#### **Spoken Dialogue System, Spoken Language Understanding, Speech Translation, and Information Retrieval**

Spoken dialogue systems  
Spoken language understanding  
Rich transcription of LVCSR

SLP systems for information extraction/retrieval (including Q/A, topic classification, summarization)

Systems for spoken language translation

### **Application, Evaluation, Standardization, SL Resources**

Spoken language resources and annotation

Evaluation and standardization of spoken language systems

**Special Session Topics will be defined after February 11, 2011**

**INTERSPEECH Proceedings have been indexed in ISI web of science, Engineering Index and Scopus.**

## **Paper Submission**

Papers for the INTERSPEECH 2011 proceedings should be up to four pages in length and conform to the format given in the paper preparation guidelines and author kits which is now available on the INTERSPEECH 2011 website along with the Final Call for Papers.

Optionally, authors may submit additional files, such as multimedia files, to be included on the Proceedings CD-ROM.

Authors shall also declare that their contributions are original and not being submitted for publication elsewhere (e.g., another conference, workshop, or journal). Papers must be submitted via the on-line paper submission system, which will open in early February 2011. The deadline for submitting a paper is **31 March 2011**. This date will not be extended.

Inquiries regarding paper submissions should be directed via email to [submission@interspeech2011.org](mailto:submission@interspeech2011.org).

## **Important dates**

<b>Full paper submission deadline:</b>	<b>31 March 2011</b>
<b>Notification of paper acceptance or rejection:</b>	<b>26 May 2011</b>
<b>Camera-ready paper due:</b>	<b>09 June 2011</b>
<b>Early/Authors' registration deadline:</b>	<b>10 June 2011</b>
<b>Tutorials dates:</b>	<b>27 August 2011</b>
<b>Conference:</b>	<b>28-31 August 2011</b>

Please visit our website at <http://www.interspeech2011.org/>

## **Language**

The working language of the conference is English.

## **PDF File**

The CFP file can be downloaded [here](#). [109KB]

We look forward to welcoming you to INTERSPEECH 2011 in Florence!

Sincerely

**Piero Cosi, Renato De Mori**

General Chairs

Sincerely,

**Roberto Pieraccini, Giuseppe Di Fabbrizio**

Technical Chairs ( [technical\\_chair@interspeech2011.org](mailto:technical_chair@interspeech2011.org) )