

# Final Announcement IWSDS 2012

## International Workshop on Spoken Dialog Systems

Paris, France – November 28-30, 2012

### Towards a Natural Interaction with Robots, Knowbots and Smartphones



NAO-robot

#### IWSDS Steering Committee:

Gary Geunbae Lee (POSTECH, Pohang, Korea)  
Ramón López-Cózar (University of Granada, Spain)  
Joseph Mariani (LIMSI and IMMI-CNRS, Orsay, France)  
Wolfgang Minker (Ulm University, Germany)  
Satoshi Nakamura (Nara Institute of Science and Technology, Japan)

#### IWSDS 2012 Program Committee:

Joseph Mariani (LIMSI & IMMI-CNRS) (Chair)  
Laurence Devillers (LIMSI-CNRS & University Paris-Sorbonne 4)  
Martine Garnier-Rizet (IMMI-CNRS)  
Sophie Rosset (LIMSI-CNRS)

#### IWSDS 2012 Organizing Committee:

Martine Garnier-Rizet (IMMI-CNRS) (Chair)  
Lynn Barreteau (IMMI-CNRS)  
Joseph Mariani (IMMI-CNRS)

#### Invited speakers:

Jérôme Bellegarda (Apple Inc., USA)  
Axel Buendia (SpirOps, France)  
Jonathan Ginzburg (Univ. Paris-Diderot, France)  
Alex Waibel (KIT, Germany; CMU, USA and IMMI, France)  
Marilyn Walker (University of California at Santa Cruz, USA)

#### Participating organizations:

IMMI-CNRS (France)  
LIMSI-CNRS (France)  
Postech (Korea)  
University of Granada (Spain)  
Nara Institute of Science and Technology (Japan)  
NICT (Japan)  
Ulm University (Germany)

#### IMPORTANT DATES:

**Deadline for submission: July 19, 2012**

Notification of acceptance: September 15, 2012

Deadline for final submission: October 8, 2012

Deadline for Early Bird registration: October 8, 2012

Final program available online: November 5, 2012

Workshop: November 28-30, 2012

To get more information, please contact

[iwds2012@immi-labs.org](mailto:iwds2012@immi-labs.org)

or visit

[www.iwds.org](http://www.iwds.org)

Following the success of IWSDS'2009 (Irsee, Germany), IWSDS'2010 (Gotemba Kogen Resort, Japan) and IWSDS'2011 (Granada, Spain), the Fourth International Workshop on Spoken Dialog Systems (IWSDS 2012) will be held in Paris (France) on November 28-30, 2012.

The IWSDS Workshop series provides an international forum for the presentation of research and applications and for lively discussions among researchers as well as industrialists, with a special interest to the practical implementation of Spoken Dialog Systems in everyday applications.

Spoken dialog is a matter of research investigations for many years. The first spoken language processing systems aimed at providing such an interaction between humans and machines. It slowly appeared that the problem was much more difficult than it was initially thought, as it involves many different components: speech recognition and understanding, prosody analysis, indirect speech acts, dialog handling, maintenance of the communication with verbal or non verbal events such as backchannels, speech generation and synthesis, multimodal fusion and fission, etc. Social interaction among humans is characterized by a continuous and dynamic exchange of information carrying signals. Producing and understanding these signals allow humans to communicate simultaneously on multiple levels. The ability to understand this information, and for that matter adapt generation to the goal of the communication and the characteristics of particular interlocutors, constitutes a significant aspect of natural interaction. It shows that it is actually very complex to develop simple, natural interaction means.

Even if the research investigations kept on being conducted, it resulted in a shift of interest to easier tasks, such as voice command, voice dictation, or speech transcription. However, scientific achievements in language processing now result in the development of successful applications such as IBM Watson, Evi, Apple SIRI or Google Assistant for access to knowledge and interaction with smartphones, while the coming of domestic robots advocates for the development of powerful communication means with their human users and fellow robots.

We therefore put this year workshop under the theme

***“Towards a Natural Interaction with Robots, Knowbots and Smartphones”***

which covers:

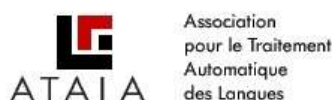
- Dialog for robot interaction (including ethics),
- Dialog for Open Domain knowledge access,
- Dialog for interacting with Smartphones,
- Mediated dialog (including multilingual dialog involving Speech Translation),
- Dialog quality evaluation.



## Sponsors:



## Supporting organizations:



We would also like to encourage the discussion of common issues of theories, applications, evaluation, limitations, general tools and techniques, and therefore also invite the submission of original papers in any related area, including but not limited to:

- Speech recognition and understanding,
- Dialog management,
- Adaptive dialog modeling,
- Recognition of emotions from speech, gestures, facial expressions and physiological data,
- Emotional and interactional dynamic profile of the speaker during dialog,
- User modeling,
- Planning and reasoning capabilities for coordination and conflict description,
- Conflict resolution in complex multi-level decisions,
- Multi-modality such as graphics, gesture and speech for input and output,
- Fusion, fission and information management,
- Learning and adaptability,
- Visual processing and recognition for advanced human-computer interaction,
- Spoken Dialog databases and corpora, including methodologies and ethics,
- Objective and subjective Spoken Dialog evaluation methodologies, strategies and paradigms,
- Spoken Dialog prototypes and products, etc.

**We particularly welcome papers that can be illustrated by a demonstration, and we will organize the conference in order to best accommodate these papers, whatever their category.**

## PAPER SUBMISSION

We distinguish between the following categories of submissions:

**Long Research Papers** are reserved for reports on mature research results. The expected length of a long paper should be in the range of 8-12 pages.

**Short Research Papers** should not exceed 6 pages in total. Authors may choose this category if they wish to report on smaller case studies or ongoing but interesting and original research efforts.

**Demo - System Papers:** Authors who wish to demonstrate their system during IWSDS'2012 may choose this category and provide a description of their system, installation, or demo. System papers should not exceed 6 pages in total.

**As usual, it is planned that a selection of accepted papers will be published in a book by Springer following the conference.**

## IMPORTANT DATES

**Deadline for submission: July 16, 2012**

Notification of acceptance: September 15, 2012

Deadline for final submission of accepted paper: October 8, 2012

Deadline for Early Bird registration: October 8, 2012

Final program available online: November 5, 2012

Workshop: November 28-30, 2012

## VENUE:

IWSDS 2012 will be held as a two-day residential seminar in the wonderful Castle of Ermenonville, near Paris, where all attendees will be accommodated: <http://www.chateau-ermenonville.com/en>