

# 1<sup>st</sup> EUROPE-ASIA SPOKEN DIALOGUE SYSTEMS TECHNOLOGY WORKSHOP

December 9 – 11, 2009  
Kloster Irsee, Germany



## Introduction

Dear Colleagues,

It is our pleasure to invite you to participate in this **FIRST EUROPE-ASIA SPOKEN DIALOGUE SYSTEMS TECHNOLOGY WORKSHOP**, which will be held at the Kloster Irsee in southern Germany from December 9 to December 11, 2009.

This annual workshop will bring together researchers from all over the world working in the field of spoken dialogue systems. It will provide an international forum for the presentation of research and applications and for lively discussions among researchers as well as industrialists. The workshops will be held alternately in Europe and Asia.

A scientific focus of the Europe-Asia Spoken Dialogue Systems Technology Workshop is placed on advanced speech-based human-computer interaction where to a larger extent contextual factors are modelled and taken into account when users communicate with computers. Future interfaces will be endowed with more human-like capabilities. For example, the emotional state of the user will be analyzed so as to be able to automatically adapt the dialogue flow to user preferences, state of knowledge and learning success. Complex knowledge bases and reasoning capabilities will control ambient devices that automatically adapt to user requirements and communication styles and, in doing so, help reducing the mental load of the user. Future interfaces will finally behave like real partners or cognitive technical assistants to their users.

Topics of interest include mechanisms, architectures, design issues, applications, evaluation and tools. Prototype and product demonstrations will be very welcome.

The workshop will be held as a Satellite Event of ASRU2009 - Automatic Speech Recognition and Understanding Workshop; Merano (Italy), December 13-17, 2009.

We welcome you to the workshop.

**Gary Geunbae Lee**    **Joseph Mariani**    **Wolfgang Minker**    **Satoshi Nakamura**

*POSTECH, Pohang (Korea)*    *LIMSI-CNRS and IMMI, Orsay (France)*    *Ulm University (Germany)*    *NICT-ATR, Kyoto (Japan)*

## Workshop Themes

Papers may discuss theories, applications, evaluation, limitations, general tools and techniques. Discussion papers that critically evaluate approaches or processing strategies and prototype demonstrations are especially welcome.

- Speech recognition and semantic analysis
- Dialogue management
- Adaptive dialogue modelling
- Recognition of emotions from speech, gestures, facial expressions and physiological data
- User modelling
- 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 and information management
- Learning and adaptability
- Visual processing and recognition for advanced human-computer interaction
- Databases and corpora
- Evaluation strategies and paradigms
- Prototypes and products

## Workshop Programme

The format of the workshop will be a non-overlapping mixture of oral and poster sessions. A number of tutorial lectures will be given by internationally recognised experts from the area of Spoken Dialogue Systems.

All poster sessions will be opened by an oral summary by the session chair. A number of poster sessions will be succeeded by a discussion session focussing on the subject of the session. It is our belief that this general format will ensure a lively and valuable workshop.

The organisers would like to encourage researchers and industrialists to take the opportunity to bring their applications as well as their demonstrator prototypes and design tools for demonstration to the workshop. If sufficient interest is shown, a special demonstrator/poster session will be organised and followed by a discussion session.

The official language of the workshop is English. A publication of the workshop proceedings in the LNAI Series by Springer is planned.

## Timing and Dates

### June 26, 2009

September 4, 2009

September 25, 2009

October 2, 2009

December 1, 2009

December 9 - 11, 2009

### Deadline for Long, Short and Demo Papers

Author notification

Deadline for final submission of accepted paper

Deadline for early bird registration

Final programme available on web

Workshop