

---



---

**FUTURE EVENTS**


---



---



### Call for Papers

## IEEE Transactions on Speech and Audio Processing

### Special Issue on Data Mining of Speech, Audio and Dialog

Data mining methods are used to discover patterns and extract potentially useful or interesting information automatically or semi-automatically from data. As a result of the recent advances in machine learning and data mining algorithms, along with the availability of inexpensive storage space and faster processing, data mining has become practical in new areas including speech, audio and spoken language dialog. Data mining research in these areas is growing rapidly given the influx of speech, audio and dialog data that are becoming more widely available. Fundamental research in areas of prediction, explanation, learning and language understanding of speech and audio data are becoming increasingly important in revolutionizing business processes by providing essential sales and marketing information about the service, customers and product offerings. This research is also enabling a new class of learning conversational systems to be created that can infer knowledge and trends automatically from data, analyze and report application performance, and adapt and improve over time with minimal or zero human involvement.

The purpose of this special issue is to present recent advances in Data Mining Research for Speech, Audio, and Spoken Language Dialog. Original, previously unpublished submissions for the following areas are encouraged:

- Data mining theory, algorithms and methods
- Topic spotting and classification
- Performance analysis and evaluation
- Tools and solutions for mining data
- Trend analysis and visualization
- Core machine-learning algorithms for data mining
- Pattern discovery and prediction from data
- Information retrieval
- Applications in marketing, business, security, surveillance, authentication and customer service

#### Guest Editors:

Dr. Mazin Rahim, AT&T Research, Florham Park, USA.  
 Dr. Usama M. Fayyad, DMX Group, Seattle, USA.  
 Dr. Roger Moore, 20/20 Speech Ltd., Malvern, U.K.  
 Dr. Geoff Zweig, IBM Research, Yorktown Heights, USA.

mazin@research.att.com  
 fayyad@dmxgroup.com  
 r.moore@2020speech.com  
 gzweig@us.ibm.com

#### Schedule:

Submission deadline: 1 July 2004 (early submission is encouraged)  
 Notification of acceptance: 1 January 2005  
 Final manuscript due: 31 March 2005  
 Tentative publication date: 1 July 2005

#### Submission Procedure:

Prospective authors should follow the regular guidelines of the IEEE Transactions on Speech and Audio Processing for electronic submission via Manuscript Central (<http://sps-ieee.manuscriptcentral.com>). Authors **must** enter the title of the special issue into the field labeled "Please enter any additional keywords related to this submitted manuscript in order for the paper to be properly assigned to a Guest Editor." In addition, the title of the special issue should be referenced again in the field marked "Comments to Editor-in-Chief" along with any other pertinent information. You are required to provide a properly executed copyright form to be faxed to the IEEE Signal Processing Society Publications Office (via +1

732-562-8905) at the time of submission. An 8-page limit will be enforced on papers published in the special issue and all papers are subject to the published policy for overlength page charges and color charges.

---

## InSTILL/ICALL Symposium

### 2004

The InSTIL SIG is delighted to announce our next symposium to be held in Venice on June 17-19, 2004.

#### LOCATION

Auditorium Santa Margherita, Università Ca' Foscari - Venezia

#### IMPORTANT DATES

- Workshop Paper Submission Deadline: Feb 21, 2004
- Acceptance Notification : April 21, 2004
- Camera Ready papers: May 21, 2004
- Workshop dates: June 17-19, 2004

#### GOALS AND SCOPE

The scope of this workshop is to join together people working in the two neighbouring and often overlapping fields of Natural Language and Speech Technologies research oriented towards Language Learning and Tutoring.

Thanks to latest remarkable advances in NLP research, there has been an increasing interest among researchers in the implementation of NLP-based educational applications for both large-scale assessment and classroom instruction. Educational applications have been developed across a variety of subject domains, among others, in automated evaluation of free-responses and intelligent tutoring.

We feel that research in Artificial Intelligence, Computational Linguistics, Corpus-Driven and Corpus Linguistics, Formal Linguistics, Machine Aided Translation, Machine Translation, Natural Language Interfaces, Natural Language Processing, Theoretical Linguistics has produced results which have proven, are proving and will prove very useful in the field of Computer-Assisted Language Learning.

Research areas may concern Second language oriented research but also First Language learning in presence of language deficiencies - deafness, dyslexia - and sign language. In more general terms, we are targeting intelligent tutoring systems that incorporate state-of-the-art NLP methods to evaluate response content, using either text- or speech-based analyses.

The scope of the symposium will include all the sub themes and categories described below and if you are working in Intelligent CALL and do not recognise yourself under our categories, just ask whether your submission would be welcome for review.

The three-day Symposium is supported by the InSTIL SIG three parent associations, CALICO, EUROCALL and ISCA (International Speech Communication Association) and . It builds on the excellence and excitement of the ISCA workshop STiLL 98 , held in Marholmen, Sweden and on InSTIL events since (2000 and 2002).

Sub-themes: In the selection process, preference will be given to submissions for Papers, Show & Tell Demonstrations and Posters (please =specify) related to at least one of the following areas:

## 1. Language Processing for CALL

NLP for Language Tutoring Systems

Automatic Summary/Essay/Precis Evaluation Tools

Innovative text analysis for evaluation of student writing

Grammar Checkers for Language Learning

Natural Language Generation for Collaborative Interfaces

Machine Translation and Machine Aided Translation Tools for Language Learning

Corpus-Based NLP Tools for Language Learning

Text Understanding Systems for Language Learning

Question-Answering and Dialogue Systems for Language Learning

Evaluation of NLP-based tools for education

Use of student linguistic databases (text or speech) for tool building

## 2. Speech Processing for CALL

CALL Tools for learning/teaching pronunciation

CALL Tools for learning/teaching phonetics and phonology

CALL Applications using Speech Recognition as learning aid

CALL Applications using Speech Synthesis as learning aid

Multimodal CALL System using Speech or Voice Recognition

CALL Applications with graphic display of pronunciation features

CALL tools Speech Analysis

CALL tools networks for Speech Storage/Databases/Archives

Multimodal CALL System using voice triggered operations and learning

Multimodal CALL System using networks for semi-intelligent interactions =involving knowledge bases accessed through voice

Multimodal CALL System using visual display of phonemic symbols from voice input

CALL tools for corrective phonology/phonetics

CALL tools to help with Speech and Hearing Disorders

Talking Head Technology for CALL

## PROGRAMME

The Scientific Programme will include invited speakers, oral presentations, poster presentations, referenced demonstrations and panels. There is no difference in quality between oral presentations and poster presentations. Only the appropriateness of the type of communication to the content of the paper will be considered. All

papers will be blind refereed by two members of the Scientific Committee.

Submissions of between 200 and 400 words should be sent by February 21st 2004. We will confirm acceptance as rapidly as possible and certainly before 21st April 2004. Thereafter, we need papers of 4 pages of A4 for posters and oral presentations. Courseware/software demos may be accepted without an accompanying paper. Invited speakers must procure up to 8 pages of A4 for the same deadline of 21st May 2004.

The information on paper submission will soon appear on the website and on the InSTIL site at <http://project.cgm.unive.it>

Paper length will be up to 8 A4 pages for keynote speakers and 4 A4 pages both for oral and poster presentations.

All accepted papers will be published in the Conference Proceedings.

All submissions will be acknowledged by e-mail, numbered sequentially and sent to the Chair of the Scientific Committee, Philippe Delcloque for distribution to the Scientific Panel.

The Scientific Panel includes the following names:

Reiko Akahane-Yamada  
Jared Bernstein  
Ron Cole  
Piero Cosi  
Peter Roach  
Bjorn Granstrom  
Catia Cucchiarini  
Helmer Strik  
Masatake Dantsuji  
Philippe Delcloque  
Rodolfo Delmonte (Chair of Panel and co-organiser of Symposium)  
Kathleen Egan  
Maxine Eskenazi  
Aline Germain  
Bjorn Granstrom  
Marie Jo Hamel  
Valerie Hazan  
Trude Heift  
Melissa Holland  
Eric Keller  
Ton Koet  
Steve La Rocca  
Philippe Martin  
Dominic Massaro  
Blaise N'Kwenti-Azeh  
Patti Price  
Mathias Schulze

Yorick Wilks  
Brigitte Zellner-Keller

Submissions will be refereed on a double blind basis using a criterion-referencing system, details of which can be found at the conference website: and

All applicants will be notified of the Panel's decision by 15 April 2000. The symposium, which will also include several free hands-on workshops and a separate one-day training event, will be open to presenters as well as parties simply interested in the field.

The Organisation Committee:

Rodolfo Delmonte, Antonella Bristot, Sara Tonelli, Rachele de Nicola, Ciprian Bacalu, Luminita Chiran.

We look forward to giving you all a warm Venetian welcome.

#### CONFERENCE REGISTRATION

You are kindly requested to bring a copy of the form together with a copy of the bank transfer documents to the conference secretariat at your arrival in case you would like to pay in advance.

Otherwise, it is recommended that you pay cash on site at your arrival =at the Registration Desk directly in the Auditorium.

No Credit-Card payment will be available, sorry.

The conference registration fee includes: conference fee, conference package, 5 coffee breaks, and Proceedings.

Normal Fee

\$ 300

Euro 300

Student Fee

\$ 100

Euro 100

Industrial Session Fee

\$ 500

Euro 500

Please pay the conference fee to the:

Dipartimento di Scienze del Linguaggio

on the c/c n. 221528

at the Banca Intesa B.C.I.

ABI 3069

CAB 2010

SWIFT BCITIT22221

with the subject "Quota di iscrizione INSTIL/ICALL" and your name.

---

## IJCNLP-04 Newsletter No.3 (6th of Nov. 2003)

The 1st International Joint Conference on Natural Language Processing  
organized by the Asia Federation of NLP associations (AFNLP)

<http://www.rcl.cityu.edu.hk/ijcnlp04>

<http://www.colips.org/conference/ijcnlp04/> (mirror site in Singapore)

<http://www.isi.edu/natural-language/ijcnlp04> (mirror site at USC)

[Date]

Main Conference: March 22-24, 2004

Workshops/symposium: March 25-26, 2004

[Venue]

Resort Golden Palm <http://www.resortgp.com.cn/>

Sanya, Hainan island, China

\*\*\*Land's End - Hainan is so remote on the sea that ancient people,  
while believing that earth is square, really thought it is where  
the land ends\*\*\*

<http://www.regenttour.com/chinaplanner/hainan/>

[Sponsoring Organizations]

Association for Natural Language Processing of Japan (ANLP), Tokyo

Association for Computational Linguistics (ACL), Philadelphia

Association for Computational Linguistics and Chinese Language  
Processing (ACLCLP), Taipei

Korea NLP society, Seoul

Chinese Information Processing Society of China (CLISC), Beijing

(more to be added)

\*\*\*\*\*

This issue contains

[1] Publication Policy

[2] Donation

[3] Merger of two thematic sessions

[4] The electronic submission site is now UP

[5] Workshops and Satellite Symposium

\*\*\*\*\*

[1] Publication Policy

We are very glad to announce that:

1. Springer Verlag has agreed to publish a selection of IJCNLP-2004 papers as a book in its wellknown LNAI series. The editorial committee will make all efforts to include every worthwhile paper in this publication, which will have benefited from revision following

discussions and comments at the conference.

2. The proceedings of IJCNLP-2004 will be archived in the ACL anthology site for future reference.

---

[2] LATEST DONATION TO AFNLP FOR ITS INAUGURAL CONFERENCE IN HAINAN

We are very grateful to our colleagues from the Association for Computational Linguistics and Chinese Language Processing in Taipei for joining the ranks of others in their generous support of the inaugural conference of AFNLP in Hainan next march in spirit and in monetary terms.

The contributions we will receive will go a long way towards helping promoting better cross-fertilization among NLP efforts in asia beyond the conference, especially with respect to colleagues working on languages not yet on centre stage. Thus far we have support pledged from the following organizations:

Association for Natural Language Processing of Japan (ANLP), Tokyo  
Association for Computational Linguistics (ACL), Philadelphia  
Association for Computational Linguistics and Chinese Language Processing (ACLCLP), Taipei  
Korea NLP society, Seoul  
Chinese Information Processing Society of China (CLISC), Beijing

We would very much welcome similar reponse from other like minded organizations, which are in a position to add to the material support as well.

Professors Kam-Fai Wong and Tom Lai are the chair and vice chair of the Finance committee for IJCNLP-04 and will be happy to follow up on any specific queries.

We thank our colleagues in Taipei again and with all best wishes,

Benjamin Tsou  
General Co-chair

---

[3] Merger of two thematic sessions

Following two original Thematic Sessions have been merged into a new one:

[Original TS-2] Natural Language Technology in the Text Processing User Interface (organized by Michael Kuehn and Kumiko TANAKA-Ishii)

[Original TS-3] Mobile Information Retrieval (organized by Mun-Kew

Leong)

New Thematic Sessions after merge:

[TS-1] Natural Language Learning using Both Labeled and Unlabeled Data  
(organized by: Hang Li)

[New TS-2] Natural Language Technologies in Mobile Information  
Retrieval and Text Processing User Interfaces (organized by: Michael  
Kuehn, Mun-Kew Leong, and Kumiko Tanaka-Ishii)

[New TS-3] Text mining in Biomedicine (organized by: Sophia Ananiadou  
and Jong C. Park)

The procedure for submitting papers to those Thematic Sessions would be  
exactly the same as that for submitting papers to other general areas  
(<http://www-tsujii.is.s.u-tokyo.ac.jp/ijc-nlp04/submitijc.html>).

-----  
[4] The electronic submission site is now UP

You can get information necessary for submission from  
[Submission Information Web Site]:  
<http://www-tsujii.is.s.u-tokyo.ac.jp/ijc-nlp04/submission.html>

And the submission site is:  
[Submission Web Site]:  
<http://www-tsujii.is.s.u-tokyo.ac.jp/ijc-nlp04/submitijc.html>

The submission deadline for both the general areas and thematic  
sessions are:  
[Deadline of Submission] 12 p.m. (midnight, JST), November 15

-----  
[5] Workshops and Satellite Symposium

We will have the following four workshops and one satellite symposium  
on March 25 and/or 26, following the main conference. You find the  
details of these events in our web site. Another one or two workshops  
are now being planned and will be announced soon.

\*\*\*

[W1] Asian Language Resources

(Organizers)

Chair:

Virach Sornlertlamvanich

(Thai Computational Linguistics Laboratory, CRL, Bangkok)

Co-chairs:

Chu-Ren Huang (Academia Sinica, Taipei)

Takenobu Tokunaga (Tokyo Institute of Technology, Tokyo)

Paper submission deadline: December 12, 2003

\*\*\*

[W2] Multilingual Summarization and Question Answering - Towards Systematizing and Automatic Evaluation

(Organizers)

Chin-Yew Lin (USC/ISI, Los Angeles)

Hang Li (Microsoft Research Asia, Beijing)

Paper submission deadline: December 12, 2003

\*\*\*

[W3] Beyond shallow analyses - Formalisms and statistical modeling for deep analyses

(Organizers)

R. Kaplan (Parc, Palo Alto)

M. Johnson (Brown University, Rhode Island)

A. Joshi (University of Pennsylvania, Philadelphia)

D. McAllester (Toyota Technological Institute, Chicago)

Y. Miyao (University of Tokyo, Tokyo)

S. Oepen (University of Oslo, Oslo and Stanford Univ., Palo Alto)

S. Riezler (Parc, Palo Alto)

J. Tsujii (University of Tokyo, Tokyo)

H. Uszkoreit (DFKI and Saarbrueken University, Saarbrueken)

Paper submission deadline: January 31, 2004

\*\*\*

[W4] Named Entity Recognition for Natural Language Processing Applications

(Organizer)

Benjamin Tsou (City University of Hong Kong, Hong Kong)

Paper submission deadline: 8 December 2003

\*\*\*Satellite Symposium\*\*\*

[SS1] Asian Symposium on Natural Language Processing to Overcome Language Barriers

(Organizers)

ISAHARA Hitoshi (Co-chair) - Communications Research Laboratory

NITTA Yoshihiko (Co-chair) - Nihon University

AKIBA Tomoyoshi - National Institute of Advanced Industrial Science and Technology

INUI Kentaro - Nara Institute of Science and Technology

UTSURO Takehito - Kyoto University  
FUKUMOTO Jun'ichi - Ritsumeikan University  
NAKANO Mikio - Nippon Telegraph and Telephone Corporation

Submission of Extended Abstracts: December 2, 2003

---