

**9-th International Workshop  
SPEECH AND COMPUTER (SPECOM'2004)  
20-22 September 2004, St. Petersburg, Russia**

**Organized by St. Petersburg Institute for Informatics and Automation of the Russian  
Academy of Sciences (SPIIRAS)**

**Supported by SIMILAR European Network of Excellence, Russian Ministry of  
Science and Technology, The Russian Foundation for Basic Research, ELSNET  
European Network in Language and Speech**

**FIRST CALL FOR PAPERS**

Dear Colleagues, we are pleased to invite you to 9-th International Workshop "Speech and Computer" SPECOM'2004, which will be held in September 20-22, 2004 in St. Petersburg. The aim of the Workshop is to discuss the wide range of problems and technologies connected with natural forms of **Human-Computer Interaction**. The main topics of the Workshop are given below:

- Fundamentals of Human-Computer Interaction;
- Signal analysis, processing and feature estimation;
- Speech recognition and understanding;
- Natural language and speech processing;
- Speaker verification and identification;
- Speech synthesis;
- Integration and fusion of modalities (speech, handwriting, visual, tactile information, etc.);
- Multimodal analysis and synthesis;
- Discourse, dialogue and situational analysis;
- Ontologies and knowledge representation;
- Speech and language resources;
- Applied systems for Human-Computer Interaction;

**GENERAL CHAIR:**

Rafael M. Yusupov, Director of the SPIIRAS, St. Petersburg, Russia

**SCIENTIFIC COMMITTEE:**

**Chair:**

Rafael M. Yusupov, Director of the SPIIRAS, St. Petersburg, Russia

**Co-Chair:**

Benoit Macq, University catholique de Louvain, Belgium, Coordinator of SIMILAR NoE

**Members:**

Gerhard Rigoll, Munich University of Technology, Germany

Heinrich Niemann, University of Erlangen-Nuremberg, Germany

Jean Caelen, Grenoble University, France  
George Kokkinakis, University of Patras, Greece  
Steven Krauwer, Utrecht University, The Netherlands  
Niels Bernsen, University of Southern Denmark, Denmark  
Ferran Marqués, Technical University of Catalonia, Spain  
Thierry Dutoit, Faculté Polytechnique de Mons, Belgium  
André Gilloire, France Telecom Research & Development, France  
Benoit Michel, University catholique de Louvain, Belgium  
Allen Gorin, AT&T Laboratories, USA  
Michael Savic, Rensselaer Polytechnic Institute, USA  
Sadaoki Furui, Tokyo Institute of Technology, Japan  
Hiroya Fujisaki, University of Tokyo, Japan  
Jesus Savage, University of Mexico, Mexico  
Boris Lobanov, Institute of Engineering Cybernetics, Belarus  
Rajmund Piotrowski, Russian State Pedagogical St. Petersburg, Russia  
Rodmonga Potapova, Moscow State Linguistic University, Russia  
Andrey Ronzhin, SPIIRAS, Russia

**LANGUAGE:** English is the official language of the Workshop.

**REGISTRATION PROCEDURE:** Prospective authors should fill [registration form](#), which includes a title, names of author (co-authors), position, affiliations, address, telephone, fax numbers and e-mail address, and send it by e-mail [specom@mail.ias.spb.su](mailto:specom@mail.ias.spb.su) before 15 January 2004.

**ABSTRACT SUBMISSION:** Prospective authors should submit the abstracts in English (at the most 400 words) by e-mail [specom@mail.ias.spb.su](mailto:specom@mail.ias.spb.su) before 15 March 2004.

**PAPER SUBMISSION:** Camera-ready full papers in English (4-8 pages) will be published in the proceedings distributed at the Workshop. The paper must be sent to the Organizing Committee by e-mail before 1 August 2004. Instructions for camera-ready papers preparation will be distributed later.

**ORGANIZING COMMITTEE:**

**Chair:**

Andrey Ronzhin, SPIIRAS, Russia

**Members:**

Anatoli Tkatch, SPIIRAS, Russia  
Irina Podnozova, SPIIRAS, Russia  
Alexey Karpov, SPIIRAS, Russia  
Izolda Lee, SPIIRAS, Russia  
Alexander Shalin, SPIIRAS, Russia  
Leonid Mesnik, SPIIRAS, Russia

**REGISTRATION FEE:**

Registration fees are arranged as following:

Western participants – 200 EURO;  
Western students – 100 EURO;  
Central Europe participants – 150 EURO;  
Central Europe students – 75 EURO;  
SIMILAR NoE participants – 50 EURO;  
Russian and former SU states participants – 50 EURO;  
Russian students – 10 EURO.

The fees include the welcome reception, a copy of the Workshop Proceedings, all Workshop material, admission to all sessions and to the exhibition, banquet and coffee break refreshments. Additional copy of Proceedings costs 15 EURO.

**ACCOMODATION:**

All participants will be provided with comfortable rooms (about 35-45 EURO per day) in Hotel "Russ" located in the heart of the city, in historical, cultural and business center of Saint-Petersburg (Artilleriyskaya street, 1). The conference hall for Workshop SPECOM'2004 is located at the same Hotel.

**SCHEDULE:**

Registration form:	15 January 2004
Submission of abstracts:	15 March 2004
Notification of acceptance:	1 April 2004
Submission of camera-ready papers:	15 August 2004
Workshop:	20-22 September 2004

Possibilities for acquaintance with historical valuables of Saint-Petersburg and cultural program will be provided in weekend before Workshop and other days.

**CONTACT INFORMATION:**

Organizing Committee, SPIIRAS, 39, 14th line, St-Petersburg, 199178, RUSSIA  
Tel.: + 7(812) 328 7081 Fax : + 7(812) 328 4450  
E-mail: [specom@mail.iias.spb.su](mailto:specom@mail.iias.spb.su)  
Web: <http://www.spiiras.nw.ru/speech>