The 3rd Conference on
Speech Technology and Human – Computer Dialogue

"SpeD 2005"

Organized by

Romanian Academy – Section for Science and Technology of Information,
Research Institute for Artificial Intelligence,

University "POLITEHNICA" of Bucharest – Faculty of Electronics, Telecommunications and Information Technology
Speech Technology and Human – Computer Dialogue Laboratory

and

Technical University of Cluj-Napoca – Faculty of Electronics and Telecommunications

Cluj-Napoca, May 13-14, 2005

Scientific Program

1. "Speaker and Story Segmentation Using Audio-Video Information", **Daniel Moraru**, **Laurent Besacier**, **Georges Quenot** and **Stéphane Ayache**, Laboratory CLIPS, Team Université Joseph Fourier – Grenoble.

2. "Can Automatic Speech Recognition Learn More From Human Speech Perception?", **Sorin Dusan** and **Lawrence Rabiner**, Center for Advanced Information Processing, Rutgers University, Piscataway, NJ, U.S.A.

3. "Detection and Speech/Sound Segmentation in a Smart Room Environment", **Michel Vacher**, **Dan Istrate**, **Jean-François Serignat** and **Nicolas Gac**, CLIPS - IMAG, Team GEOD UMR CNRS-INPG-UJF – Grenoble.

4. "Multiple Sense Inventories and Test-Bed Corpora", **Dan Tufiş**[*,**] and **Radu Ion**[*], [*]Research Institute for Artificial Intelligence, Romanian Academy, [**]Faculty of Informatics, University "A. I. Cuza", Iaşi.

5. "An Algorithm for Formant Tracking, Modification and Re-Synthesis of Speech", **Géza Németh, Géza Kiss** and **Tamás Bőhm,** Department of Telecommunications and Media Informatics, Budapest University of Technology and Economics, Hungary.

6. "Implementation of Stress and Emotion Rendering Rules in Synthesized Speech", **Vasile Apopei**[*], **Doina Jitca**[*], **Horia Nicolai Teodorescu**[**], [*]Institute of Information Science, Romanian Academy, Iaşi Branch, [**]Romanian Academy and Technical University of Iaşi.

7. "A Comparative Study of Features for Continuous Speech Recognition by Statistical Modeling with Monophones and Triphones", **Corneliu Octavian Dumitru**, **Vlad Mihailescu** and **Inge Gavat**, University "POLITEHNICA" of Bucharest, Faculty of Electronics Telecommunications and Information Technology.

8. "Continuous Speech Recognition System Improvements", **Eugeniu Oancea**[*]**, Doru Munteanu**[*] and **Corneliu Burileanu**[**], [*]Military Technical Academy Bucharest, University "POLITEHNICA" of Bucharest, Faculty of Electronics Telecommunications and Information Technology.

9. "Performances of Voice Transmission (VoIP) over Cabled (Lan) and Wireless (Wi-Fi) Networks", **Alina Cristina Banciu**[*]**, Sorin Mircea Paşa**[**]**, Alexandru Şerbănescu**[**], [*]University "POLITEHNICA" of Bucharest, [**]Military Technical Academy Bucharest.

10. "Preliminaries to the Implementation of a Continuous Speech Recognition System for the Romanian Language", **Alexandru Căruntu** and **Gavril Toderean**, Technical University of Cluj-Napoca, Faculty of Electronics and Telecommunications.

11. "A Proposed Theory in Prosody Generation and Perception: The Multidimensional Contextual Integration Principle of Prosody", *Horia-Nicolai L. Teodorescu*, m.c. of the Romanian Academy, Technical University of Iaşi.

12. "Parallel Implementation of Acoustic Training Procedures for Continuous Speech Recognition", *Vladimir Popescu* and *Corneliu Burileanu*, University "POLITEHNICA" of Bucharest, Faculty of Electronics, Telecommunications and Information Technology**.**

13. "Support vector machines in speech recognition: multimodality aspects", *Gabriel Costache*, *Claudia Iancu* and *Inge Gavat*, University "POLITEHNICA" of Bucharest, Faculty of Electronics Telecommunications and Information Technology.

14. "A Fast Speaker Change Detection Method for Audio Data Processing", *Aurelian Derviş* and *Dragoş Burileanu*, University "POLITEHNICA" of Bucharest, Faculty of Electronics, Telecommunications and Information Technology.

15. "Linguistic Theory and Language", *Amelia Molea* and *Mihai Radu*, Military Technical Academy Bucharest.

16. "Extending Packet Communications: Voice and Data over IP", *Adrian Răileanu, Bogdan Vlad* and *Mircea Ioniţă*, Freescale Semiconductor Romania.

17. "Experiments for Prosody Modification Using the Nonlinear Springing Method (NSM)", *Árpád Zsolt Bodó*[*], and *Gavril Toderean*[**], [*]Technical University of Cluj-Napoca, Faculty of Electronics and Telecommunications, SIEMENS PSE HU Ltd., [**]Technical University of Cluj-Napoca, Faculty of Electronics and Telecommunications.

18. "Combining Time and Spectral Domain Methods in Speaker Verification", *Petre G. Pop* and *Eugen Lupu*, Technical University of Cluj-Napoca, Faculty of Electronics and Telecommunications, Communications Department.

19. "Phoneme Classification Using Two Level Classification Scheme", *Margit Antal*[*] and *Gavril Toderean*[**] , [*]Sapientia - Hungarian University of Transylvania, Faculty of Technological and Human Sciences, Tg.-Mures, Romania, [**]Technical University of Cluj-Napoca, Faculty of Electronics and Telecommunications.

20. "TESPAR Coding Method Evaluation in Speaker Recognition Experiments", *Vasile Vlad Moca*[*], *Eugen Lupu*[**] and *Petre G. Pop*[**], [*]Center for Cognitive and Neural Studies (Coneural), Cluj-Napoca, Technical University of Cluj-Napoca, Faculty of Electronics and Telecommunications, Communications Department.