

**Cost 2102 : Cross Modal
Analysis of Verbal and
Nonverbal Communication
(CAVeNC)**



**European Cooperation in the field of Scientific and
Technological Research**

**COST2102 International Conference
ON**

***Nonverbal Features of Human-Human and Human-Machine Interaction
Patras, Greece 29-31 October 2007***

TENTATIVE PROGRAMME, TIMETABLE AND ORGANIZATION



1st day (October 29 2007)



morning

8:00- 9:30 REGISTRATION

CHAIR: Anna Esposito

9:30 - 10:30 Marian Stewart Bartlett: "Applying Automated Facial Expression Coding to Human Behaviour" **Institute for Neural Computation, University of California, San Diego, USA (Invited speaker)**

10:30 - 11:00 F. Ofli, Y. Demir, E. Erzin, Y. Yemez, and A.M. Tekalp: "Multicamera Audio-Visual Analysis and Synthesis of Dance Figures" **Koc University, Department of Electrical and Electronics Engineering, Istanbul Turkey**

11:00 - 11:30 Coffee break

11:30 - 12:15 Fabian Ramseyer & Wolfgang Tschacher: "Nonverbal Behavior in Psychotherapy: Synchronized Interaction Patterns, Global Movement Characteristics and Outcome" **Berne University, Switzerland (Invited speaker);**

12:15 - 12:45 Eric Keller "The Challenge of Measuring Cooperative Functioning" **IMM-Lettres, University of Lausanne, Suisse;**

12:45 - 14:00 Lunch Break

afternoon

14:00 - 15:30 Management Committee Members Meeting (First Part)

15:30 - 16:00 Coffee break

16:00 - 17:30 Management Committee Members Meeting (Second Part)



2nd day (October 30 2007)



morning

CHAIR: Eric Keller

8:30 - 9:30 Nikolaos G. Bourbakis: "Tyflos-Koufos: Wearable System-Prototypes for Enhancing Interaction between Visual and Hearing Impaired" **ATRC-WSU and AIIS Inc., USA (Invited speaker);**

9:30 - 10:00 Theodoros Kostoulas, Todor Ganchev, Nikos Fakotakis: "Study on speaker-independent emotion recognition from speech on real-world data" **Wire Communications Laboratory, Department of Electrical and Computer Engineering, University of Patras, 26500 Rion-Patras, Greece;**

10: - 10:30 Maurizio Mancini, Catherine Pelachaud: "ECAs distinguishable by their behaviours" **Paris 8, France;**

10:30 - 11:00 David House and Björn Granström: "Obtaining Swedish data for Modelling Verbal and Nonverbal Features of Audio-Visual Spoken Language Communication" **Department of Speech, Music and Hearing, School of Computer Science and Communication, KTH, Stockholm, Sweden;**

11:00 - 11:30 Coffee break

CHAIR: Marcos Faundez-Zanuy

11:30 - 11:55 Goranka Zorić, Karlo Šmid, Igor S. Pandzic: "Survey of Facial Gestures for Embodied Conversational Agents" **Faculty of Electrical Engineering and Computing, Zagreb, Croatia and Ericsson Nikola Tesla, Zagreb, Croatia;**

11:55 - 12:20 R. Hoffmann, L.-M. Alisch, U. Altmann, T. Fehér, R. Petrick, S. Wittenberg: "The acoustic front-end in scenarios of interaction research" **TU Dresden, Germany;**

12:20 - 12:45 Robert Vích, Jan Nouza, Martin Vondra: "Automatic Speech Recognition Used for Evaluation of Text-to-Speech Systems" **Academia of Science, Prague, Czech Republic;**

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12:45-14:00 Lunch Break

afternoon

CHAIR: David House

14:00 - 14:30 Kröger BJ: "Perceptual Identification and Discrimination of Speech Sounds Using the Feedback Path of a Neurophonetic Speech Production Model" **Aachen University, Germany**

14:30 - 15:00 D. Reidsma, H. van Welbergen, R. op den Akker, A. Nijholt, Zs. Ruttkay: "Mutually Coordinated Multimodal Interaction" **Human Media Interaction, University of Twente, The Netherlands;**

15:00 - 15:30 Pantelis Makris: "Speeding up the Communication of the Special Needs People Who Lack of Verbal Communication" **Cyprus Neuroscience and Technology Institute;**

15:30 - 16:00 Coffee break

CHAIR: Björn Granström

16:00 - 16:30 Vojtech Stejskal, Zdeněk Smékal, Anna Esposito: "Voice Activity Detection" **Brno University of Technology Department of Telecommunications, Czech Republic, and Second University of Naples, Italy;**

16:30 - 17:00 Matej Rojc, Harald Höge Zdravko Kačič: "ECESS platform for web based TTS modules and systems evaluation" **University of Maribor, Faculty of Electrical Engineering and Computer Science, Slovenia and Siemens AG, Corporate Technology, Germany;**

17:00 - 17:30 Carl Vogel and Gerard Lynch: "Computational Stylometry: Who's in a Play?" **Centre For Computing And Language Studies, O'Reilly Institute, School of Computer Science And Statistics, Trinity College Dublin, Dublin 2 Ireland;**

17:30 - 18:00 Zsafia Ruttkay: "The Behavior Markup Language: Recent Developments and Challenges" **Human Media Interaction, University of Twente, The Netherlands;**



morning

CHAIR: Robert Vich

8:30 - 9:00 Wojciech Majewski and Piotr Staroniewicz: "Acoustical parameters of target voices and their imitations" **Wroclaw University of Technology, Poland;**

9:00 - 9:30 Sz. L. Tóth, D. Sztahó, K. Vicsi: "Emotion Perception by Human and Machine" **Laboratory of Speech Acoustics, Budapest University, Dept of Telecommunications and Media Informatics, Hungary;**

9:30 - 10:00 Marcos Faundez-Zanuy, Joan Fabregas: "On the relevance of facial expressions for biometric recognition" **Escola Universitària Politècnica de Mataró (Adscrita a la UPC), Spain;**

10:00- 10:30 Hicham Atassi, Zdenek Smékal: "Comparison of analysis of emotional states in Arabic, Czech and English languages" **Brno University of Technology Department of Telecommunications, Czech Republic;**

10:30 - 11:00 Anna Esposito, Daniela Esposito, Luigi Trojano: "Gestural and Speech Entities in Aphasic and Typical Language Users: A Pilot Study" **Second University of Naples, Italy**

11:00 - 11:30 Coffee break

CHAIR: Rudiger Hoffmann

11:30 - 11:55 Matus Pleva, Jozef Juhar, Anton Cizmar, Michal Mirilovic, Stanislav Ondas: "Towards Slovak Broadcast News Automatic Recording and Transcribing Service" **Technical University of Košice, Park Komenského 13, 041 20 Košice, Slovak Republic;**

11:55 - 12:20 Algimantas Rudzionis, Jurate Puniene, Vytautas Rudzionis, Jonas Punys: "Some activities with speech segmentation and synchronization with video information in Lithuania" **Kaunas University of Technology and Vilnius University, Lithuania;**

12:20 - 12:45 Joan Fabregas, Marcos Faundez-Zanuy: "Biometric face recognition with different training and testing databases" **Escola Universitària Politècnica de Mataró Adscrita a la UPC, Spain**

12:45 - 14:00 Lunch Break

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afternoon

CHAIR: Vojtech Stejskal

14:00 - 14:20 Milan Rusko, Jozef Juhar: "Towards the annotation of nonverbal voice gestures" **Technical University of Košice, Park Komenského 13, 041 20 Košice, Slovak Republic;**

14:20 - 14:40 Jiří Přinosil, Zdeněk Smékal, Anna Esposito: "Combining Facial Features for the Recognition of Emotional Facial Expression in Static Images" **Brno University of Technology Department of Telecommunications, Czech Republic, and Second University of Naples, Italy;**

14:40 - 15:00 Csaba Zainkó, Márk Fék, and Géza Németh: "Expressive Speech Synthesis Using Emotion-Specific Speech Inventories" **Department of Telecommunications and Media Informatics, Budapest University of Technology and Economics, Hungary;**

15:00 -15:20 Jan Vlach, Zdeněk Smékal, Anna Esposito: "Blinking Detection " **Brno University of Technology Department of Telecommunications, Czech Republic, and Second University of Naples, Italy;**

15:30 - 16:00 Coffee break