

INTERNATIONAL SCHOOL " E. R. CAIANIELLO" XIII COURSE on
Multimodal Signals: Cognitive and Algorithmic Issues
Vietri sul Mare, Italy 21 - 26 April 2008

PRELIMINARY PROGRAMME, TIMETABLE AND ORGANIZATION



1st day - April 22 2008



morning

8:00- 9:00 REGISTRATION

CHAIR: ANNA ESPOSITO

9:00 - 9:30 Welcome by the local authorities

Professor Raffaele Martone, Second University of Naples
Professor Maria Marinaro, IIASS,

9:30 - 10:30 Alex Pentland: *Honest Signals I*

10:30 - 11:00 Coffee break

CHAIR: BERND KRÖGER

11:00 - 12:00 Eric Keller: *Fundamental Concepts of Voice Analysis*

12:00 - 13:00 Marion Dohen: *Multimodal perception of speech segments and speech prosody in relationship with their production;*

13:00 - 14:30 Lunch Break

afternoon

CHAIR: NICK CAMPBELL

14:30 - 15:30 Wolfgang Tschacher: *Embodied cognition entails embodied communication*

15:30 - 16:30 Alex Pentland *Honest Signals II*

16:30 - 17:00 Coffee break

CHAIR: ISABELLA POGGI

17:00 - 17:45 Marion Dohen: *Coordination of Mouth and Hand Actions in Speech Communication*

SHORT CONTRIBUTIONS

17:45 -18:00 Murhy Peter: *Glottal Characteristics of Emotion Based on Electroglottogram Measures*

18:00 -18:15 Karpiński Maciej: *From Sounds and Gestures to Dialogue Acts. Selected Problems of a Multimodal Corpus Labelling*

18:15 -18:30 Heylen Dirk: *Presence Agents: Physical and Virtual Agents with Interaction Behavior that Supports Being There*

18:30 -18:45 Ter Maat Mark: *Differentiating Communicative Signals using Context*

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2nd day - April 23 2008



morning

CHAIR: KARPIŃSKI MACIEJ

SHORT CONTRIBUTIONS

8:30 - 8:45 Neubarth Friedrich & Kranzler Christian: *A Distributional Concept for Modeling Dialectal Variation in TTS*

8:45 - 9:00 Reidsma Dennis: *Annotation Reliability and Machine Learning Performance*

9:00 - 9:15 Demir Yasemin, Engin Erzin and Murat Tekalp: *Multimodal Signal Processing for Dance Performance Analysis*

9:15 - 9:30 Georgescu Alexandru & Alina Lascu: *Exploiting Protensity of Musical Messages*

INVITED TALK

9:30 - 10:30 Uli Sauerland and Mathias Schenner: *Content in Embedded Sentences: An Overview I*

10:30 - 11:00 Coffee break

CHAIR: ROBERT VICH

11:00 - 12:00 Bencie Woll: *Exploring Sign Language I*

12:00 - 13:00 Isabella Poggi: *Gesture and gaze in persuasive discourse I*

13:00-14:30 Lunch Break

afternoon

CHAIR: ERIC KELLER

14:30 - 15:30 Uli Sauerland and Mathias Schenner: *Content in Embedded Sentences: An Overview II*

15:30 - 16:30 Sue Duncan et al.: *Gesturing compared across cultures and contexts: Some implications for language theory I*

16:30 - 17:00 Coffee break

CHAIR: MOHAMED CHETOUANI

17:00 - 18:00 Matthias Wimmer: *Facial Expression Recognition Implemented with Model-based Image Interpretation I*

SHORT CONTRIBUTIONS

18:00 - 18:15 Costen Nick: *Temporal integration in computer face and movement recognition*

18:15 - 18:30 Reyes-Garcia Carlos: *Qualitative and quantitative crying analysis of new born babies delivered after high risk gestation*

18:30 - 18:45 Abel Andrew & Amir Hussain: *Multi-modal speech processing methods: An overview and possible future directions using a MATLAB based Audio-visual Toolbox*

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3rd day - April 24 2008



morning

CHAIR: BENCIE WOLL

8:30 - 9:30 Anna Esposito: Affect in Multimodal Information

9:30 - 10:30 Nick Campbell: It Takes Two to Discourse: Technology and Techniques for Interactive Speech Processing;

10:30 - 11:00 Coffee break

CHAIR: WOLFGANG TSCHACHER

11:00 - 12:00 Adam Kendon: The structure of gestural performance in extended discourse: Some illustrative examples I

12:00 - 12:30 Michael Pucher: Regionalized Text-to-Speech Systems: Persona Design and Application Scenarios

12:30 - 13:00 Marcos Faundez-Zanuy: Data Fusion at Different Level;

13:00 - 14:30 Lunch Break

afternoon

CHAIR: MARION DOHEN

14:30 - 15:30 Gerard Chollet et al: Multimodal HMI in Virtual and Augmented Reality Applications

15:30 - 16:30 Bencie Woll: Exploring Sign Language II

16:30 - 17:00 Coffee break

17:00 - 19:00

COST 2102 Management Committee Members Meeting

NON-COST 2102 Members and Students are not requested to join the meeting

20:00 Social Dinner

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4th day - April 25 2008


CHAIR: MATTHIAS WIMMER

SHORT CONTRIBUTIONS

8:30 - 8:45: Mahdhaoui Ammar & Mohamed Chetouani: Home movies segmentation for face-to-face interaction analysis

8:45 - 9:00 Lascu Alina & Georgescu Alexandru: From Extensity to Protensity in CAS: Adding Sounds to Icons

9:00 - 9:15 Ruttkay Zsófia: Cultural Dialects of Real and Synthetic Facial Expressions

9:15 - 9:30 Vicsi Klara, Tóth Szabolcs Levente & Sztaho David: Optimization of the Automatic Emotion Recognition of Speech in case of Some Languages

INVITED TALKS

9:30 -10:30 Catherine Pelachaud: Behavior parametrization for embodied conversational agents

10:30 - 11:00 Coffee break

CHAIR: MICHAEL PUCHER

11:00 - 12:00 Hannes Högni Vilhjálmsson: Representing Function and Behavior in Multimodal Communication

12:00 - 13:00 Sue Duncan et al.: Gesturing compared across cultures and contexts: Some implications for language theory II

13:00 - 14:30 Lunch Break

CHAIR: HANNES HÖGNI VILHJÁLMSOON

14:30-15:30 Bernd Kröger: Perspectives for Articulatory Speech Synthesis within the Framework of Audio-Visual Human-Machine Interaction Systems I

15:30 -16:30 Isabella Poggi: Gesture and gaze in persuasive discourse II

16:30 - 17:00 Coffee break

CHAIR: GERARD CHOLLET

17:00 - 18:00 Kristinn Thórisson: Realtime Multimodal Turntaking

SHORT CONTRIBUTIONS

18:00 - 18:15 Chetouani Mohamed & Fabien Rigenthal: A Pseudo-phonetic Approach for Speech Characterisation of Autistic

18:15 - 18:30 Vincze Laura: The Impact of Gesture and Gaze in the Persuasive Political Discourse

18:30 - 18:45 Nelson Delroy: Using a signing avatar as a sign language research tool

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5th day - April 26 2008



CHAIR: ANTONIO CALABRESE

SHORT CONTRIBUTIONS

- 8:30 - 8:45 Malatesta Lori: *Situated Non-verbal expressivity synthesis*
8:45 - 9:00 Op Den Akker: *The Computability of Human Interaction*
9:00 - 9:15 Mirilovič Michal, Jozef Juhár & Anton Čížmár: *Comparison of grapheme and phoneme based acoustic modelling in LVCSR task in Slovak*
9:15 - 9:30 Lalev Emilian: *Social Phenomena Related to Cooperation in Prisoner's Dilemma*
9:30 - 9:45 Přibilová Anna: *Spectrum Modification for Emotional Speech Synthesis*
9:45 - 10:00 Pirker Hannes: *Get a Grip on the Phone(me): The Application of Phonetic Segmentation in Multimodal Emotional Data*
10:00 - 10:15 Vondra Martin & Robert Vích: *Recognition of Emotions in Czech Speech Using Gaussian Mixture Model*
10:15 - 10:30 Zoric Goranka: *Facial Gestures Generation by Speech Signal Analysis using HUGE Architecture*

10:30 - 11:00 Coffee break

SHORT CONTRIBUTIONS

CHAIR: COSTEN NICK

- 11:00 - 11:15 Koutsombogera Maria: *Multimodality Issues in Conversation Analysis of Greek TV Interviews*
11:15 - 11:30 Hempel René & Patrick Westfeld: *Statistical Modeling of Interpersonal Distance with Range Imaging Data*
11:30 - 11:45 Kostoulas Theodoros, Todor Ganchev, Nikos Fakotakis: *Study on speech parameterization for emotion recognition*
11:45 - 12:00 Marco Grassi & Marcos Faundez-Zanuy: *Face Localization in 2D Frontal Face Images Through Luminosity Profiles Analysis*
12:00 - 12:15 Cermak Jan & Smekal Zdenek: *Underdetermined blind source separation by linear separation system.*
12:15 - 12:30 Maskeliunas Rytis: *Multimodal human - machine interface modeling*
12:30 - 12:45 Punys Jonas, Jurate Puniene, and Vytautas Rudzionis: *Modelling of lips for the main vowels of the Lithuanian language*
12:45 - 13:00 Atassi Hicham: *Acoustic Features of Emotional States*
13:00 - 13:30 CONCLUSIONS