

# Table of Contents

## I - Human-Computer Interaction: Cognitive and Computational Issues

Interaction and Resistance: The Recognition of Intentions in New Human-Computer Interaction .....	1
<i>Vincent C. Müller</i>	
Speaking without Thinking: Embodiment, Speech Technology and Social Signal Processing .....	8
<i>Tim Rohrer</i>	
More Than Words: Inference of Socially Relevant Information from Nonverbal Vocal Cues in Speech .....	23
<i>Alessandro Vinciarelli, Hugues Salamin, Gelareh Mohammadi, and Khiet Truong</i>	
A Timely Endeavor: Theoretical, Behavioral, Bioimaging, and Clinical Perspectives on Time Perception .....	34
<i>Argiro Vatakis and Georgios Papadelis</i>	
Instruction and Belief Effects on Sentential Reasoning .....	39
<i>Olimpia Matarazzo and Ivana Baldassarre</i>	
Audio-Visual Prosody: Perception, Detection, and Synthesis of Prominence .....	55
<i>Samer Al Moubayed, Jonas Beskow, Björn Granström, and David House</i>	
Adaptation in Turn-Initiations .....	72
<i>Štefan Beňuš</i>	
Sentic Avatar: Multimodal Affective Conversational Agent with Common Sense .....	81
<i>Erik Cambria, Isabelle Hupont, Amir Hussain, Eva Cerezo, and Sandra Baldassarri</i>	
Patterns of Synchronization of Non-verbal Cues and Speech in ECAs: Towards a More “Natural” Conversational Agent .....	96
<i>Nicla Rossini</i>	
Top-Down Influences on Eye-Movements during Painting Perception: The Effect of Task and Titles .....	104
<i>Eugenia Hristova, Severina Georgieva, and Maurice Grinberg</i>	

Visual Sociology in the Classroom: Fostering Interaction Awareness Using Video .....	116
<i>Paolo Parmeggiani</i>	
Analysis of Interrogatives in Different Domains .....	134
<i>Helena Moniz, Fernando Batista, Isabel Trancoso, and Ana Isabel Mata</i>	
Interviewers' Use of Coercive Questioning during a Midterm Period Favorable to the Opposition Party .....	147
<i>Angiola Di Conza, Augusto Gnisci, and Angelo Caputo</i>	
Emotions and Speech Disorders: Do Developmental Stutters Recognize Emotional Vocal Expressions? .....	155
<i>Anna Esposito and Alda Troncone</i>	
Representing Meaning in Mind: When Predicate Argument Structures Meet Mental Representations .....	165
<i>Rosa Volpe</i>	
Beyond the Panopticon Framework: Privacy, Control and User Generated Content .....	180
<i>Manuela Farinosi</i>	
Micro and Macro Spatial Dimensions of New Media in Five European Countries .....	190
<i>Leopoldina Fortunati and Federico de Luca</i>	
Nonverbal Expressions of Turn Management in TV Interviews: A Cross-Cultural Study between Greek and Icelandic .....	207
<i>Maria Koutsombogera, Sigrún María Ammendrup, Hannes Högni Vilhjálmsón, and Harris Papageorgiou</i>	
 <b>II - Synchrony through Verbal and Nonverbal Signals</b>	
Interpretation and Generation of Dialogue with Multidimensional Context Models .....	214
<i>Harry Bunt</i>	
Coordination, Not Control, Is Central to Movement .....	243
<i>Fred Cummins</i>	
Speech, Gaze and Head Motion in a Face-to-Face Collaborative Task ...	256
<i>Sascha Fagel and Gérard Bailly</i>	
Neuroelectric Methodologies for the Study of the Economic Decisions in Humans .....	265
<i>Giovanni Vecchiato and Fabio Babiloni</i>	

An Evaluation Study on Speech Feature Densities for Bayesian Estimation in Robust ASR .....	283
<i>Simone Cifani, Emanuele Principi, Rudy Rotili, Stefano Squartini, and Francesco Piazza</i>	
Naturalness, Adaptation and Cooperativeness in Spoken Dialogue Systems .....	298
<i>Milan Gnjatović, Darko Pekar, and Vlado Delić</i>	
Towards Semantic Multimodal Video Annotation .....	305
<i>Marco Grassi, Christian Morbidoni, and Francesco Piazza</i>	
The Effect of Subharmonic Stimuli on Singing Voices .....	317
<i>Marena Balinova, Peter Reichl, Inma Hernández Rioja, and Ibon Saratraga</i>	
Speech Modeling Using the Complex Cepstrum .....	324
<i>Martin Vondra and Robert Vích</i>	
Problems of the Automatic Emotion Recognitions in Spontaneous Speech; An Example for the Recognition in a Dispatcher Center .....	331
<i>Klára Vicsi and Dávid Sztahó</i>	
Slovak Language Model from Internet Text Data .....	340
<i>Ján Staš, Daniel Hládek, Matúš Pleva, and Jozef Juhár</i>	
Automatic Recognition of Emotional State in Polish Speech .....	347
<i>Piotr Staroniewicz</i>	
Categorical Perception of Consonants and Vowels: Evidence from a Neurophonetic Model of Speech Production and Perception .....	354
<i>Bernd J. Kröger, Peter Birkholz, Jim Kannampuzha, and Christiane Neuschaefer-Rube</i>	
The MultiLis Corpus – Dealing with Individual Differences in Nonverbal Listening Behavior .....	362
<i>Iwan de Kok and Dirk Heylen</i>	
Comparing the Rhythmical Characteristics of Speech and Music – Theoretical and Practical Issues .....	376
<i>Stephan Hübler and Rüdiger Hoffmann</i>	
The Ability of Children with Mild Learning Disabilities to Encode Emotions through Facial Expressions .....	387
<i>Christiane El-Haddad and Yiannis Laouris</i>	
Designing a Hungarian Multimodal Database – Speech Recording and Annotation .....	403
<i>Kinga Papay</i>	

Conveying Directional Gaze Cues to Support Remote Participation in Hybrid Meetings .....	412
<i>Betsy van Dijk, Job Zwiers, Rieks op den Akker, Olga Kulyk, Hendri Hondorp, Dennis Hofs, and Anton Nijholt</i>	
Affect Recognition in Real Life Scenarios .....	429
<i>Theodoros Kostoulas, Todor Ganchev, and Nikos Fakotakis</i>	
Understanding Parent-Infant Behaviors Using Non-negative Matrix Factorization .....	436
<i>Ammar Mahdhaoui and Mohamed Chetouani</i>	
Learning and Knowledge-Based Sentiment Analysis in Movie Review Key Excerpts .....	448
<i>Björn Schuller and Tobias Knaup</i>	
<b>Author Index .....</b>	<b>473</b>