1st Workshop on Child, Computer and Interaction

Chania, Crete, Greece, 23 October 2008

Technical Program

Thursday, 23 October 2008

09:00 – 09:15 **Welcome**

09:15 – 10:15 **Invited Talk**
        Chair: Key Berkling

09:15 – 10:15 Modeling and Optimizing User Satisfaction in Interactive Entertainment Systems
        `Georgios N. Yannakakis`

10:15 – 10:30 **Coffee Break**

10:30 – 12:50 **Oral Presentations**
        Chair: Martin Russell

10:30 – 10:50 Does Affect Affect Automatic Recognition of Children's Speech? (OP1)
        `Bjoern Schuller, Anton Batliner, Stefan Steidl, Dino Seppi`

10:50 – 11:10 A Comparison of Read and Spontaneous Children's Speech Recognition (OP2)
        `Matteo Gerosa, Diego Giuliani`

11:10 – 11:30 Linguistic Analysis of Spontaneous Children's Speech (OP3)
        `Vassiliki Farantouri, Alexandros Potamianos, Shrikanth Narayanan`

11:30 – 11:50 Signal Processing for Young Child Speech Language Development (OP4)
        `Dongxin Xu, Umit Yapanel, Sharmi Gray, Jill Gilkerson, Jeff Richards,`
        `John Hansen`

11:50 – 12:10 HMM Based Synthesis of Child Speech (paper OP5)
        `Oliver Watts, Junichi Yamagishi, Kay Berkling, Simon King`

12:10 – 12:30 Recent Advances in Sonic Italian Children's Speech Recognition for Interactive Literacy
        Tutors (OP6)
        `Piero Cosi`

12:30 – 12:50 A Novel Corpus of Children's Disordered Speech (OP7)
        `Oscar Saz, William Rodríguez, Eduardo Lleida, Carlos Vaquero`

12:50 – 14:30 **Lunch**

14:30 – 16:00 **Poster Presentations**
(All presenters are expected to be present during both poster sessions)

14:30 – 15:15 **Poster Session I**
       Chair: Piero Cosi

− COMUNICA – Tools for Speech and Language Therapy (PP1)
  William Ricardo , Oscar Saz, Eduardo Lleida, Carlos Vaquero, Antonio Escartin
− Just in Time Learning: Implementing Principles of Multimodal Processing and Learning for Education of Children with Special Needs (PP2)
  Dominic Massaro
− Integrating Computer Games in Speech Therapy for Children Who Stutter (PP3)
  Daniil Umanski, Walter Kosters, Fons Verbeek, Niels Schiller
− Affective Computer-Aided Learning for Autistic children (PP4)
  Andrej Luneski, Evdokimos Konstantinidis, Madga Hitoglou-Antoniadou, Panagiotis Bamidis
− Comprehension Improvement using Local Confidence Measure: Towards Automatic Transcription for Classroom (PP5)
  Joseph Razik, Odile Mella, Dominique Fohr, Jean-Paul Haton
− Towards Monitoring of Children's Speech – A Case Study (PP6)
  Andreas Maier, Maria Schuster, Elmar Nöth
− A Generative Model for Scoring Children's Reading Comprehension (PP7)
  Joseph Tepperman, Matteo Gerosa, Shrikanth Narayanan

15:15 – 16:00 **Poster Session II**
       Chair: Diego Giuliani

− Detecting Problems in Spoken Child-Computer Interaction (PP8)
  Dino Seppi, Matteo Gerosa, Bjoern Schuller, Anton Batliner, Stefan Steidl
− Automatic Prosodic Disorder Analysis for Children with Impaired Communication (PP9)
  Fabien Ringeval, Mohamed Chetouani, David Sztahó, Klara Vicsi
− An Empirical Analysis of User Uncertainty in Problem-Solving Child-Machine Interactions (PP10)
  Matthew Black, Jeannette Chang, Shrikanth Narayanan
− Language Model for Web Search Task in Spoken Dialogue Systems for Children (PP11)
  Jumpei Miyake, Shota Takeuchi, Hiromichi Kawanami, Hiroshi Saruwatari, Kiyohiro Shikano
− Cognitive and Emotional Linguistic Interaction (PP12)
  Amel Achour, Jeanne Villaneau, Dominique Duhaut, Farida Saïd
− Towards an Embedded Language Tutoring System for Children (PP13)
  Oliver Jokisch, Ruediger Hoffmann

16:00 – 16:15 **Coffee Break**

16:15 – 18:30 **Brain Storming Session**
       Chair: Fabio Pianesi
        "Identification of Building Blocks and Incorporation of Related Technologies"