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 Rodriguez, 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
  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”