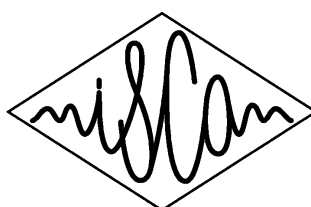




Proceedings of the
Seventh ISCA workshop on
Speech and Language Technology in Education
2017

August 25–26, 2017

Djurö, Stockholm, Sweden



Olov Engwall, José Lopes and Iolanda Leite
KTH Royal Institute of Technology,
SE-100 44 Stockholm, Sweden

Proceedings of the Seventh ISCA workshop on Speech and Language Technology in Education 2017

Published by
KTH Royal Institute of Technology,
SE-100 44 Stockholm, Sweden

Electronic version

Copyright © 2017 by the authors.
Cover photo by Djurönäset. Sun rising view from Djurönäset.
L^AT_EX class and proceedings files by Giampiero Salvi
(<https://github.com/giampierosalvi/LaTeXProceedings>)

Foreword

Welcome to the seventh ISCA workshop on Speech and Language Technology in Education (SLaTE). The workshop has been held bi-annually since 2007, with an additional occasion in 2010, when the workshop *Second Language Studies: Acquisition, Learning, Education and Technology* was co-organised by SLaTE. However, the SLaTE history goes further back, over the Interspeech special session in 2006, and the InSTIL/ICALL symposium in 2004, to the first meeting *Speech technology in language learning (STiLL)*, held at the island of Marholmen, Sweden in 1998.

When SLaTE is now organised by KTH Royal Institute of Technology, we return to its roots, and much of the original STiLL concept is reused: The workshop is again held in the beautiful Stockholm archipelago, with all meals eaten together and accommodation on-site, and with several presenters and reviewers from the first meeting returning.

On a personal note, STiLL was my very first international workshop experience as a new PhD student and I have very positive recollections of the meeting, with its convenient convenient size, its plenary setting and the communal meals, which allowed all attendees to easily interact with each other. I am therefore very happy to reuse the same concept for SLaTE 2017, with some updates in accommodation comfort and presentation topics (although some of the 1998 paper titles still seem strikingly relevant...). I hope that SLaTE 2017 attendees will be remembering this workshop as fondly in 20 years time.

Continuing on the personal note, I am happy to welcome you to the beautiful island of Djurö, where I spent most of my summers as a child and teenager. Djurö is located 50 km from the Stockholm city centre, and even though it is easily reached by bus or car, it is very far from the city centre in terms of atmosphere. The two islands Djurö-Vindö have 2,000 year-round inhabitants, but about ten times more during the summers, when Stockholmers go out to their summer cottages and boats. The conference site Djuroönäset is located by one of the gateways to the outer archipelago, and the views from the hotel will be filled by sail boats on a beautiful day (and if you are lucky you might also spot one of the resident seals). The surrounding pine woods are ideal for walks or runs and the water is marvellous (being a mixture of salty and fresh water), albeit somewhat cool for more southern visitors. Which is where the sauna comes in! Enjoy!

These proceedings contain the 33 scientific papers accepted for presentation at SLaTE 2017, and in addition four demo papers. All submissions were assigned three reviewers and all but a handful also received more than two reviews. We are very grateful to all of the reviewers listed overleaf for providing their valuable time. We would also like to express our gratitude to Helmer Strik, Chair of the ISCA SIG SLaTE, for all help and advice during the planning of the workshop.

The papers are included in order of presentation, grouped by different SLaTE themes, including the two special sessions: the CALL shared task challenge and Robot-Assisted Language Learning.

The CALL shared task challenge aims at allowing quantitative comparisons between methodologies used by different researchers on the same task and has been addressed by seven different teams.

Robot-Assisted Language Learning (RALL) has emerged during the last decade as a situated interaction alternative to conversational CALL, with different types of more or less antropomorphic robots being used to stimulate language practice, leading to numerous research questions on what the robots should look like and how they should behave in order to provide effective training.

RALL is also the theme of the presentation of the invited speaker, Tony Belpaeme, Professor of Cognitive Systems and Robotics at Plymouth University and leader of the European project *Second language tutoring using social robots (L2Tor)*. We are very proud to have professor Belpaeme as keynote speaker and are grateful to ISCA for the financial support that made it possible to invite him.

We wish you an enjoyable SLaTE workshop.

Review committee

- Abeer Alwan, UCLA
- Paul Baxter, University of Lincoln
- Pierre Badin, GIPSA-lab, Grenoble
- Kay Berkling, DHBW, Karlsruhe
- Jared Bernstein, Analytic Measures Inc.
- Anne Bonneau, LORIA, Nancy
- Lei Chen, Educational Testing Service (ETS)
- Catia Cucchiarini, Radboud University, Nijmegen
- Rodolfo Delmonte, University of Venice
- Maxine Eskenazi, Carnegie Mellon University (CMU)
- Keelan Evanini, Educational Testing Service (ETS)
- Björn Granström, Royal Institute of Technology (KTH)
- Diego Guiliani, Fondazione Bruno Kessler (FBK), Povo
- Rebecka Hincks, KTH Royal Institute of Technology
- Florian Höning, FAU, Erlangen
- Denis Jouvét, LORIA, Nancy
- Tatsuya Kawahara, Kyoto University
- James Kennedy, Plymouth University
- Jacques Koreman, NTNU, Trondheim
- Iolanda Leite, KTH Royal Institute of Technology
- Diane Litman, University of Pittsburgh
- Dominic Massaro, University of California – Santa Cruz
- Nobuaki Minematsu, University of Tokyo
- Berd Mobius, Saarland University
- Omar Mubin, University of Western Sydney
- Patti Price, PPrice.com
- Manny Rayner, University of Geneva
- Preeti Rao, Indian Institute of Technology, Bombay
- Martin Russell, University of Birmingham
- Stefan Steidl, FAU, Erlangen-Nurnberg
- Helmer Strik, Radboud University, Nijmegen
- Isabel Trancoso, IST Lisbon
- Febe de Wet, CSIR, Pretoria
- Preben Wik, Furhat Robotics