

2nd Workshop on Speech and Language Processing for Assistive Technologies 2011

(SLPAT 2011)

Held at EMNLP 2011

**Edinburgh, Scotland, UK
30 July 2011**

ISBN: 978-1-61839-254-1

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2011) by the Association for Computational Linguistics
All rights reserved.

Printed by Curran Associates, Inc. (2011)

For permission requests, please contact the Association for Computational Linguistics
at the address below.

Association for Computational Linguistics
209 N. Eighth Street
Stroudsburg, Pennsylvania 18360

Phone: 1-570-476-8006

Fax: 1-570-476-0860

acl@aclweb.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

<i>An on-line system for remote treatment of aphasia</i> Anna Pompili, Alberto Abad, Isabel Trancoso, José Fonseca, Isabel Pavão Martins, Gabriela Leal and Luisa Farrajota	1
<i>Acoustic transformations to improve the intelligibility of dysarthric speech</i> Frank Rudzicz	11
<i>Towards technology-assisted co-construction with communication partners</i> Brian Roark, Andrew Fowler, Richard Sproat, Christopher Gibbons and Melanie Fried-Oken . . .	22
<i>Trap Hunting: Finding Personal Data Management Issues in Next Generation AAC Devices</i> Joseph Reddington and Lizzie Coles-Kemp	32
<i>Asynchronous fixed-grid scanning with dynamic codes</i> Russ Beckley and Brian Roark	43
<i>Improving the Accessibility of Line Graphs in Multimodal Documents</i> Charles Greenbacker, Peng Wu, Sandra Carberry, Kathleen McCoy, Stephanie Elzer, David McDonald, Daniel Chester and Seniz Demir	52
<i>Indian Language Screen Readers and Syllable Based Festival Text-to-Speech Synthesis System</i> Anila Susan Kurian, Badri Narayan, Nagarajan Madasamy, Ashwin Bellur, Raghava Krishnan, Kasthuri G, Vinodh M. Vishwanath, Kishore Prahallad and Hema A. Murthy	63
<i>READ-IT: Assessing Readability of Italian Texts with a View to Text Simplification</i> Felice Dell’Orletta, Simonetta Montemagni and Giulia Venturi	73
<i>Source Language Categorization for improving a Speech into Sign Language Translation System</i> Verónica López-Ludeña, Rubén San-Segundo, Syaheerah Lufti, Juan Manuel Lucas-Cuesta, Julián David Echevarry and Beatriz Martínez-González	84
<i>What does it mean to communicate (not) emotionally?</i> Jan-Oliver Wülfing and Lisa Hoffmann	94
<i>Arabic Text to Arabic Sign Language Translation System for the Deaf and Hearing-Impaired Community</i> Abdulaziz Almohimeed, Mike Wald and R.I. Dampier	101
<i>Lekbot: A talking and playing robot for children with disabilities</i> Peter Ljunglöf, Britt Claesson, Ingrid Mattsson Müller, Stina Ericsson, Cajsa Ottesjö, Alexander Berman and Fredrik Kronlid	110
<i>Using lexical and corpus resources for augmenting the AAC-lexicon</i> Katarina Heimann Mühlenbock and Mats Lundälv	120
<i>Experimental Identification of the Use of Hedges in the Simplification of Numerical Expressions</i> Susana Bautista, Raquel Hervás, Pablo Gervás, Richard Power and Sandra Williams	128
<i>Towards an on-demand Simple Portuguese Wikipedia</i> Arnaldo Candido Jr, Ann Copestake, Lucia Specia and Sandra Maria Aluísio	137
<i>SLPAT Demo Session</i> Annalu Waller (editor)	148