

9th Workshop on Innovative Use of NLP for Building Educational Applications 2014

Held at ACL 2014

**Baltimore, Maryland, USA
26 June 2014**

ISBN: 978-1-63439-198-6

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© (2014) by the Association for Computational Linguistics
All rights reserved.

Printed by Curran Associates, Inc. (2014)

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>Automated Measures of Specific Vocabulary Knowledge from Constructed Responses ('Use These Words to Write a Sentence Based on this Picture')</i> Swapna Somasundaran and Martin Chodorow	1
<i>Automatic Assessment of the Speech of Young English Learners</i> Jian Cheng, Yuan Zhao D'Antilio, Xin Chen and Jared Bernstein	12
<i>Automatic detection of plagiarized spoken responses</i> Keelan Evanini and Xinhao Wang	22
<i>Understanding MOOC Discussion Forums using Seeded LDA</i> Arti Ramesh, Dan Goldwasser, Bert Huang, Hal Daume and Lise Getoor	28
<i>Translation Class Instruction as Collaboration in the Act of Translation</i> Lars Ahrenberg and Ljuba Tarvi	34
<i>The pragmatics of margin comments: An empirical study</i> Debora Field, Stephen Pulman and Denise Whitelock	43
<i>Surprisal as a Predictor of Essay Quality</i> Gaurav Kharkwal and Smaranda Muresan	54
<i>Towards Domain-Independent Assessment of Elementary Students' Science Competency using Soft Cardinality</i> Samuel Leeman-Munk, Angela Shelton, Eric Wiebe and James Lester	61
<i>Automatic evaluation of spoken summaries: the case of language assessment</i> Anastassia Loukina, Klaus Zechner and Lei Chen	68
<i>An Explicit Feedback System for Preposition Errors based on Wikipedia Revisions</i> Nitin Madnani and Aoife Cahill	79
<i>Syllable and language model based features for detecting non-scorable tests in spoken language proficiency assessment applications</i> Angeliki Metallinou and Jian Cheng	89
<i>Improving Peer Feedback Prediction: The Sentence Level is Right</i> Huy Nguyen and Diane Litman	99
<i>ArCADE: An Arabic Corpus of Auditory Dictation Errors</i> C. Anton Rytting, Paul Rodrigues, Tim Buckwalter, Valerie Novak, Aric Bills, Noah H. Silbert and Mohini Madgavkar	109
<i>Similarity-Based Non-Scorable Response Detection for Automated Speech Scoring</i> Su-Youn Yoon and Shasha Xie	116
<i>Natural Language Generation with Vocabulary Constraints</i> Ben Swanson, Elif Yamangil and Eugene Charniak	124
<i>Automated scoring of speaking items in an assessment for teachers of English as a Foreign Language</i> Klaus Zechner, Keelan Evanini, Su-Youn Yoon, Lawrence Davis, Xinhao Wang, Lei Chen, Chong Min Lee and Chee Wee Leong	134

<i>Automatic Generation of Challenging Distractors Using Context-Sensitive Inference Rules</i> Torsten Zesch and Oren Melamud	143
<i>Sentence-level Rewriting Detection</i> Fan Zhang and Diane Litman	149
<i>Exploiting Morphological, Grammatical, and Semantic Correlates for Improved Text Difficulty Assessment</i> Elizabeth Salesky and Wade Shen	155
<i>Assessing the Readability of Sentences: Which Corpora and Features?</i> Felice Dell’Orletta, Martijn Wieling, Giulia Venturi, Andrea Cimino and Simonetta Montemagni	163
<i>Rule-based and machine learning approaches for second language sentence-level readability</i> Ildikó Pilán, Elena Volodina and Richard Johansson	174