Proceedings of the Fourth Workshop on Innovative Use of NLP for Building Educational Applications

June 5, 2009
Boulder, Colorado
Introduction

NLP researchers are now building educational applications across a number of areas, including automated evaluation of student writing and speaking, rich grammatical error detection with an increasing focus on English language learning, tools to support student reading, and intelligent tutoring.

This workshop is the fourth in a series, specifically related to “Building NLP Applications for Education”, that began at NAACL/HLT (2003), and continued at ACL 2005 (Ann Arbor), ACL-HLT 2008 (Columbus), and now, at NAACL-HLT 2009 (Boulder). Research in this area continues to grow, and there is ever-increasing interest which was evidenced this year by the fact that we had the largest number of submissions.

For this workshop, we received 25 submissions and accepted 12 papers. All of these papers are published in these proceedings. Each paper was reviewed by a least two members of the Program Committee.

The papers in this workshop fall under several main themes:

- **Assessing Speech** - Two papers deal with assessing spoken language [Zechner et al] and [Cheng et al];

- **Grammar Error Detection** - The majority of papers this year deal with grammar error detection for native and non-native English speakers [Liu et al], [Tsao and Wible], [Leacock et al], [Hermet and Alain], and [Foster and Andersen].

- **Reading Support** - Two papers support vocabulary building [Pino and Eskenazi] and [Landauer et al], and another paper discusses a literacy aid for Brazilian Portuguese [Candido et al].

- **Intelligent Tutoring** - Two papers discuss issues concerning intelligent tutoring systems [Boyer et al] and [Kersey et al].

We wish to thank everyone who showed interest and submitted a paper, all of the authors for their contributions, the members of the Program Committee for their thoughtful reviews, and everyone who attended this workshop. All of these factors contribute to a truly rich and successful event!

Joel Tetreault, Educational Testing Service
Jill Burstein, Educational Testing Service
Claudia Leacock, Butler Hill Group
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  Jill Burstein, Educational Testing Service
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<td>9:40–10:05</td>
<td>Automatic Scoring of Children’s Read-Aloud Text Passages and Word Lists</td>
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<td>Supporting the Adaptation of Texts for Poor Literacy Readers: a Text Simplification Editor for Brazilian Portuguese</td>
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4:00–4:25  Using First and Second Language Models to Correct Preposition Errors in Second Language Authoring
Matthieu Hermet and Désilets Alain

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Claudia Leacock, Michael Gamon and Chris Brockett

4:50–5:15  GenERRate: Generating Errors for Use in Grammatical Error Detection
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