Table of Contents

Utterance Classification in AutoTutor
Andrew Olney, Max Louwerse, Eric Matthews, Johanna Marineau, Heather Hite-Mitchell and Arthur Graesser ................................................................. 1

Learning to Identify Student Preconceptions from Text
Adam Carlson and Steven L. Tanimoto............................................................. 9

Computer-Aided Generation of Multiple-Choice Tests
Ruslan Mitkov and Le An Ha ........................................................................... 17

PLASER: Pronunciation Learning via Automatic Speech Recognition
Brian Mak, Manh Hung Siu, Mimi Ng, Yik-Cheung Tam, Yu-Chung Chan, Kin-Wah Chan, Ka-Yee Leung, Simon Ho, Jimmy Wong and Jacqueline Lo .......................... 23

A Comparison of Tutor and Student Behavior in Speech Versus Text Based Tutoring
Carolyn Penstein-Rosé, Diane Litman, Dumisizwe Bhembe, Kate Forbes, Scott Silliman, Ramesh Srivastava and Kurt VanLehn ............................................... 30

Transforming Grammar Checking Technology into a Learning Environment for Second Language Writing
Ola Knutsson, Teresa Cerrato Pargman and Kerstin Severinson Eklundh ............. 38

Pasteur’s Quadrant: Computational Linguistics, LSA, and Education
Thomas Landauer ............................................................................................. 46

Automatic Evaluation of Students’ Answers using Syntactically Enhanced LSA
Dharmendra Kanejiya, Arun Kumar and Surenda Prasad ...................................... 53

Automated Rating of ESL Essays
Deryle Lonsdale and Diane Strong-Krause ..................................................... 61

A Hybrid Text Classification Approach for Analysis of Student Essays
Carolyn Penstein-Rosé, Antonio Roque, Dumisizwe Bhembe and Kurt VanLehn ...... 68