

# **First International Workshop on Language Cognition and Computational Models (LCCM-2018)**

Santa Fe, New Mexico, USA  
20 August 2018

ISBN: 978-1-5108-6907-3

**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© (2018) by the Association for Computational Linguistics  
All rights reserved.

Printed by Curran Associates, Inc. (2018)

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](mailto: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: 845-758-2633  
Email: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

## Table of Contents

<i>A Compositional Bayesian Semantics for Natural Language</i> Jean-Philippe Bernardy, Rasmus Blanck, Stergios Chatzikyriakidis and Shalom Lappin . . . . .	1
<i>Detecting Linguistic Traces of Depression in Topic-Restricted Text: Attending to Self-Stigmatized Depression with NLP</i> JT Wolohan, Misato Hiraga, Atreyee Mukherjee, Zeeshan Ali Sayyed and Matthew Millard . . . . .	11
<i>An OpenNMT Model to Arabic Broken Plurals</i> Elsayed Issa . . . . .	22
<i>Enhancing Cohesion and Coherence of Fake Text to Improve Believability for Deceiving Cyber Attackers</i> Prakruthi Karuna, Hemant Purohit, Ozlem Uzuner, Sushil Jajodia and Rajesh Ganesan . . . . .	31
<i>Addressing the Winograd Schema Challenge as a Sequence Ranking Task</i> Juri Opitz and Anette Frank . . . . .	41
<i>Finite State Reasoning for Presupposition Satisfaction</i> Jacob Collard . . . . .	53
<i>Language-Based Automatic Assessment of Cognitive and Communicative Functions Related to Parkinson’s Disease</i> Lesley Jessiman, Gabriel Murray and McKenzie Braley . . . . .	63
<i>Can spontaneous spoken language disfluencies help describe syntactic dependencies? An empirical study</i> M. KURDI . . . . .	75
<i>Word-word Relations in Dementia and Typical Aging</i> Natalia Arias-Trejo, Aline Minto-García, Diana I. Luna-Umanzor, Alma E. Ríos-Ponce, Balderas-Pliego Mariana and Gemma Bel-Enguix . . . . .	85
<i>Part-of-Speech Annotation of English-Assamese code-mixed texts: Two Approaches</i> Ritesh Kumar and Manas Jyoti Bora . . . . .	94