

# **Workshop on Graph-based Methods for Natural Language Processing 2013**

**(TextGraphs-8)**

**Seattle, Washington, USA  
18 October 2013**

ISBN: 978-1-62993-550-8

**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© (2013) 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](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: 845-758-2634  
Email: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

## Table of Contents

<i>Event-Centered Information Retrieval Using Kernels on Event Graphs</i> Goran Glavaš and Jan Šnajder .....	1
<i>JoBimText Visualizer: A Graph-based Approach to Contextualizing Distributional Similarity</i> Chris Biemann, Bonaventura Coppola, Michael R. Glass, Alfio Gliozzo, Matthew Hatem and Martin Riedl .....	6
<i>Merging Word Senses</i> Sumit Bhagwani, Shrutiranjana Satapathy and Harish Karnick .....	11
<i>Reconstructing Big Semantic Similarity Networks</i> Ai He, Shefali Sharma and Chun-Nan Hsu .....	20
<i>Graph-Based Unsupervised Learning of Word Similarities Using Heterogeneous Feature Types</i> Avneesh Saluja and Jiri Navratil .....	29
<i>From Global to Local Similarities: A Graph-Based Contextualization Method using Distributional Thesauri</i> Martin Riedl and Chris Biemann .....	39
<i>Understanding seed selection in bootstrapping</i> Yo Ehara, Issei Sato, Hidekazu Oiwa and Hiroshi Nakagawa .....	44
<i>Graph-Structures Matching for Review Relevance Identification</i> Lakshmi Ramachandran and Edward Gehring .....	53
<i>Automatic Extraction of Reasoning Chains from Textual Reports</i> Gleb Sizov and Pinar Öztürk .....	61
<i>Graph-based Approaches for Organization Entity Resolution in MapReduce</i> Hakan Kardes, Deepak Konidena, Siddharth Agrawal, Micah Huff and Ang Sun .....	70
<i>A Graph-Based Approach to Skill Extraction from Text</i> Ilkka Kivimäki, Alexander Panchenko, Adrien Dessy, Dries Verdegem, Pascal Francq, Hugues Bersini and Marco Saerens .....	79