

14th Meeting on the Mathematics of Language

(MoL 2015)

**Chicago, Illinois, USA
25 – 26 July 2015**

ISBN: 978-1-5108-0815-7

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© (2015) by the Association for Computational Linguistics
All rights reserved.

Printed by Curran Associates, Inc. (2015)

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>A Refined Notion of Memory Usage for Minimalist Parsing</i> Thomas Graf, Brigitta Fodor, James Monette, Gianpaul Rachiele, Aunika Warren and Chong Zhang	1
<i>Abstract Categorical Parsing as Linear Logic Programming</i> Philippe de Groote	15
<i>Topology of Language Classes</i> Sean A. Fulop and David Kephart	26
<i>Individuation Criteria, Dot-types and Copredication: A View from Modern Type Theories</i> Stergios Chatzikyriakidis and Zhaohui Luo	39
<i>Lexical Semantics and Model Theory: Together at Last?</i> András Kornai and Marcus Kracht	51
<i>A Frobenius Model of Information Structure in Categorical Compositional Distributional Semantics</i> Dimitri Kartsaklis and Mehrnoosh Sadrzadeh	62
<i>A Synopsis of Morphoid Type Theory</i> David McAllester	75
<i>General Perspective on Distributionally Learnable Classes</i> Ryo Yoshinaka	87
<i>Canonical Context-Free Grammars and Strong Learning: Two Approaches</i> Alexander Clark	99
<i>Output Strictly Local Functions</i> Jane Chandlee, Rémi Eyraud and Jeffrey Heinz	112
<i>How to Choose Successful Losers in Error-Driven Phonotactic Learning</i> Giorgio Magri and René Kager	126
<i>A Concatenation Operation to Derive Autosegmental Graphs</i> Adam Jardine and Jeffrey Heinz	139
<i>Syntactic Polygraphs. A Formalism Extending Both Constituency and Dependency</i> Sylvain Kahane and Nicolas Mazziotta	152