

Workshop on Type Theory and Natural Language Semantics

(TTNLS 2014)

**Held at the 14th Conference of the European Chapter of the
Association for Computational Linguistics**

**Gothenburg, Sweden
27 April 2014**

Editors:

**R. Cooper
S. Dobnik**

**S. Lappin
S. Larsson**

ISBN: 978-1-63266-409-9

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© (2014) 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

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>Types and Records for Predication</i>	
Arne Ranta	1
<i>System with Generalized Quantifiers on Dependent Types for Anaphora</i>	
Justyna Grudzinska and Marek Zawadowski	10
<i>Monads as a Solution for Generalized Opacity</i>	
Gianluca Giorgolo and Ash Asudeh	19
<i>The Phenogrammar of Coordination</i>	
Chris Worth	28
<i>Natural Language Reasoning Using Proof-Assistant Technology: Rich Typing and Beyond</i>	
Stergios Chatzikyriakidis and Zhaohui Luo	37
<i>A Type-Driven Tensor-Based Semantics for CCG</i>	
Jean Maillard, Stephen Clark and Edward Grefenstette	46
<i>From Natural Language to RDF Graphs with Pregroups</i>	
Antonin Delpeuch and Anne Preller	55
<i>Incremental semantic scales by strings</i>	
Tim Fernando	63
<i>A Probabilistic Rich Type Theory for Semantic Interpretation</i>	
Robin Cooper, Simon Dobnik, Shalom Lappin and Staffan Larsson	72
<i>Probabilistic Type Theory for Incremental Dialogue Processing</i>	
Julian Hough and Matthew Purver	80
<i>Propositions, Questions, and Adjectives: a rich type theoretic approach</i>	
Jonathan Ginzburg, Robin Cooper and Tim Fernando	89