

# **Workshop on Applications of Tree Automata Techniques in Natural Language Processing 2012**

**(ATANLP 2012)**

**Held at the 13th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2012)**

**Avignon, France  
23 – 27 April 2012**

**ISBN: 978-1-62276-491-4**

**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© (2012) by the Association for Computational Linguistics  
All rights reserved.

Printed by Curran Associates, Inc. (2012)

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>Preservation of Recognizability for Weighted Linear Extended Top-Down Tree Transducers</i> Nina Seemann, Daniel Quernheim, Fabienne Braune and Andreas Maletti .....	1
<i>Deciding the Twins Property for Weighted Tree Automata over Extremal Semifields</i> Matthias Büchse and Anja Fischer .....	11
<i>TTT: A Tree Transduction Language for Syntactic and Semantic Processing</i> Adam Purtee and Lenhart Schubert .....	21
<i>Second Position Clitics and Monadic Second-Order Transduction</i> Neil Ashton .....	31