

# **Workshop on Advances in Text Input Methods 2011**

## **(WTIM 2011)**

**Held at the 5th International Joint Conference on Natural  
Language Processing 2011 (IJCNLP 2011)**

**Chiang Mai, Thailand**  
**13 November 2011**

**ISBN: 978-1-62276-456-3**

**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© (2011) 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>Challenges in Designing Input Method Editors for Indian Languages: The Role of Word-Origin and Context</i>	
Umair Z. Ahmed, Kalika Bali, Monojit Choudhury and Sowmya VB .....	1
<i>Discriminative Method for Japanese Kana-Kanji Input Method</i>	
Hiroyuki Tokunaga, Daisuke Okanohara and Shinsuke Mori .....	10
<i>Efficient dictionary and language model compression for input method editors</i>	
Taku Kudo, Toshiyuki Hanaoka, Jun Mukai, Yusuke Tabata and Hiroyuki Komatsu .....	19
<i>Different Input Systems for Different Devices</i>	
Asad Habib, Masakazu Iwatate, Masayuki Asahara and Yuji Matsumoto .....	26
<i>An Accessible Coded Input Method for Japanese Extensive Writing</i>	
Takeshi Okadome, Junya Nakajima, Sho Ito and Koh Kakusho .....	31
<i>Error Correcting Romaji-kana Conversion for Japanese Language Education</i>	
Seiji Kasahara, Mamoru Komachi, Masaaki Nagata and Yuji Matsumoto .....	38
<i>From pecher to pêcher... or pêcher: Simplifying French Input by Accent Prediction</i>	
Pallavi Choudhury, Chris Quirk and Hisami Suzuki .....	43
<i>Phrase Extraction for Japanese Predictive Input Method as Post-Processing</i>	
Yoh Okuno .....	48
<i>Robustness Analysis of Adaptive Chinese Input Methods</i>	
Mike Tian-Jian Jiang, Cheng-Wei Lee, Chad Liu, Yung-Chun Chang and Wen-Lian Hsu .....	53