## 4th Workshop on Discourse in Machine Translation (DiscoMT 2019)

Hong Kong, China 3 November 2019

ISBN: 978-1-7138-0079-8

## 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© (2019) by the Association for Computational Linguistics All rights reserved.

Printed with permission by Curran Associates, Inc. (2020)

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: 845-758-2633

Email: curran@proceedings.com Web: www.proceedings.com

## **Table of Contents**

Analysing Coreference in Transformer Outputs  Ekaterina Lapshinova-Koltunski, Cristina España-Bonet and Josef van Genabith	1
Context-Aware Neural Machine Translation Decoding  Eva Martínez Garcia, Carles Creus and Cristina España-Bonet	13
When and Why is Document-level Context Useful in Neural Machine Translation?	13
Yunsu Kim, Duc Thanh Tran and Hermann Ney	24
Data augmentation using back-translation for context-aware neural machine translation Amane Sugiyama and Naoki Yoshinaga	35
Context-aware Neural Machine Translation with Coreference Information	
Takumi Ohtani, Hidetaka Kamigaito, Masaaki Nagata and Manabu Okumura	45
Analysing concatenation approaches to document-level NMT in two different domains	
Yves Scherrer, Jörg Tiedemann and Sharid Loáiciga	51