

Second Workshop on Domain Adaptation for NLP (Adapt-NLP 2021)

Online
20 April 2021

ISBN: 978-1-7138-2956-0

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© (2021) by the Association for Computational Linguistics
All rights reserved.

Printed with permission by Curran Associates, Inc. (2021)

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

<i>Multidomain Pretrained Language Models for Green NLP</i> Antonios Maronikolakis and Hinrich Schütze	1
<i>Pseudo-Label Guided Unsupervised Domain Adaptation of Contextual Embeddings</i> Tianyu Chen, Shaohan Huang, Furu Wei and Jianxin Li	9
<i>Conditional Adversarial Networks for Multi-Domain Text Classification</i> Yuan Wu, Diana Inkpen and Ahmed El-Roby	16
<i>The impact of domain-specific representations on BERT-based multi-domain spoken language understanding</i> Judith Gaspers, Quynh Do, Tobias Röding and Melanie Bradford	28
<i>Bridging the gap between supervised classification and unsupervised topic modelling for social-media assisted crisis management</i> Mikael Brunila, Rosie Zhao, Andrei Mircea Romascanu, Sam Lumley and Renee Sieber	33
<i>Challenges in Annotating and Parsing Spoken, Code-switched, Frisian-Dutch Data</i> Anouck Braggaar and Rob van der Goot	50
<i>Genres, Parsers, and BERT: The Interaction Between Parsers and BERT Models in Cross-Genre Constituency Parsing in English and Swedish</i> Daniel Dakota	59
<i>Cross-Lingual Transfer with MAML on Trees</i> Jezabel Garcia, Federica Freddi, Jamie McGowan, Tim Nieradzik, Feng-Ting Liao, Ye Tian, Dashan Shiu and Alberto Bernacchia	72
<i>Addressing Zero-Resource Domains Using Document-Level Context in Neural Machine Translation</i> Dario Stojanovski and Alexander Fraser	80
<i>MultiReQA: A Cross-Domain Evaluation for Retrieval Question Answering Models</i> Mandy Guo, Yinfei Yang, Daniel Cer, Qinlan Shen and Noah Constant	94
<i>Domain adaptation in practice: Lessons from a real-world information extraction pipeline</i> Timothy Miller, Egoitz Laparra and Steven Bethard	105
<i>BERTologiCoMix: How does Code-Mixing interact with Multilingual BERT?</i> Sebastin Santy, Anirudh Srinivasan and Monojit Choudhury	111
<i>Locality Preserving Loss: Neighbors that Live together, Align together</i> Ashwinkumar Ganesan, Francis Ferraro and Tim Oates	122
<i>On the Hidden Negative Transfer in Sequential Transfer Learning for Domain Adaptation from News to Tweets</i> Sara Meftah, Nasredine Semmar, Youssef Tamaazousti, Hassane Essafi and Fatiha Sadat	140
<i>Trajectory-Based Meta-Learning for Out-Of-Vocabulary Word Embedding Learning</i> Gordon Buck and Andreas Vlachos	146
<i>Dependency Parsing Evaluation for Low-resource Spontaneous Speech</i> Zoey Liu and Emily Prud'hommeaux	156

<i>An Empirical Study of Compound PCFGs</i> Yanpeng Zhao and Ivan Titov	166
<i>User Factor Adaptation for User Embedding via Multitask Learning</i> Xiaolei Huang, Michael J. Paul, Franck Dernoncourt, Robin Burke and Mark Dredze	172
<i>On the Effectiveness of Dataset Embeddings in Mono-lingual, Multi-lingual and Zero-shot Conditions</i> Rob van der Goot, Ahmet Üstün and Barbara Plank	183
<i>Effective Distant Supervision for Temporal Relation Extraction</i> Xinyu Zhao, Shih-Ting Lin and Greg Durrett	195
<i>Zero-Shot Cross-Lingual Dependency Parsing through Contextual Embedding Transformation</i> Haoran Xu and Philipp Koehn	204
<i>Gradual Fine-Tuning for Low-Resource Domain Adaptation</i> Haoran Xu, Seth Ebner, Mahsa Yarmohammadi, Aaron Steven White, Benjamin Van Durme and Kenton Murray	214
<i>Analyzing the Domain Robustness of Pretrained Language Models, Layer by Layer</i> Abhinav Ramesh Kashyap, Laiba Mehnaz, Bhavitvya Malik, Abdul Waheed, Devamanyu Hazarika, Min-Yen Kan and Rajiv Ratn Shah	222
<i>Few-Shot Learning of an Interleaved Text Summarization Model by Pretraining with Synthetic Data</i> Sanjeev Kumar Karn, Francine Chen, Yan-Ying Chen, Ulli Waltinger and Hinrich Schütze	245
<i>Semantic Parsing of Brief and Multi-Intent Natural Language Utterances</i> Logan Lebanoff, Charles Newton, Victor Hung, Beth Atkinson, John Killilea and Fei Liu	255
<i>Domain Adaptation for NMT via Filtered Iterative Back-Translation</i> Surabhi Kumari, Nikhil Jaiswal, Mayur Patidar, Manasi Patwardhan, Shirish Karande, Puneet Agarwal and Lovekesh Vig	263