

Conference on Empirical Methods in Natural Language Processing (EMNLP 2021)

Systems Demonstrations

Punta Cana, Dominican Republic and Online
7-11 November 2021

ISBN: 978-1-7138-9162-8

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

Printed with permission by Curran Associates, Inc. (2024)

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>MiSS: An Assistant for Multi-Style Simultaneous Translation</i> Zuchao Li, Kevin Parnow, Masao Utiyama, Eiichiro Sumita and Hai Zhao	1
<i>Automatic Construction of Enterprise Knowledge Base</i> Junyi Chai, Yujie He, Homa Hashemi, Bing Li, Daraksha Parveen, Ranganath Kondapally and Wenjin Xu	11
<i>LightTag: Text Annotation Platform</i> Tal Perry	20
<i>TransIns: Document Translation with Markup Reinsertion</i> Jörg Steffen and Josef van Genabith	28
<i>ET: A Workstation for Querying, Editing and Evaluating Annotated Corpora</i> Elvis de Souza and Cláudia Freitas	35
<i>N-LTP: An Open-source Neural Language Technology Platform for Chinese</i> Wanxiang Che, Yunlong Feng, Libo Qin and Ting Liu	42
<i>COMBO: State-of-the-Art Morphosyntactic Analysis</i> Mateusz Klimaszewski and Alina Wróblewska	50
<i>ExcavatorCovid: Extracting Events and Relations from Text Corpora for Temporal and Causal Analysis for COVID-19</i> Bonan Min, Benjamin Rozonoyer, Haoling Qiu, Alexander Zamanian, Nianwen Xue and Jessica MacBride	63
<i>KOAS: Korean Text Offensiveness Analysis System</i> San-Hee Park, Kang-Min Kim, Seonhee Cho, Jun-Hyung Park, Hyuntae Park, Hyuna Kim, Seongwon Chung and SangKeun Lee	72
<i>RepGraph: Visualising and Analysing Meaning Representation Graphs</i> Jaron Cohen, Roy Cohen, Edan Toledo and Jan Buys	79
<i>Thermostat: A Large Collection of NLP Model Explanations and Analysis Tools</i> Nils Feldhus, Robert Schwarzenberg and Sebastian Möller	87
<i>LMdiff: A Visual Diff Tool to Compare Language Models</i> Hendrik Strobelt, Benjamin Hoover, Arvind Satyanaryan and Sebastian Gehrmann	96
<i>Semantic Context Path Labeling for Semantic Exploration of User Reviews</i> Salah Ait-Mokhtar, Caroline Brun, Yves Hoppenot and Agnes Sandor	106
<i>Beyond Accuracy: A Consolidated Tool for Visual Question Answering Benchmarking</i> Dirk Väh, Pascal Tilli and Ngoc Thang Vu	114
<i>Athena 2.0: Contextualized Dialogue Management for an Alexa Prize SocialBot</i> Marilyn Walker, Vrindavan Harrison, Juraj Juraska, Lena Reed, Kevin Bowden, Wen Cui, Omkar Patil and Adwait Ratnaparkhi	124

<i>SPRING Goes Online: End-to-End AMR Parsing and Generation</i>	
Rexhina Biloshmi, Michele Bevilacqua, Edoardo Fabiano, Valentina Caruso and Roberto Navigli	
134	
<i>fairseq S²: A Scalable and Integrable Speech Synthesis Toolkit</i>	
Changhan Wang, Wei-Ning Hsu, Yossi Adi, Adam Polyak, Ann Lee, Peng-Jen Chen, Jiatao Gu and Juan Pino	143
<i>Press Freedom Monitor: Detection of Reported Press and Media Freedom Violations in Twitter and News Articles</i>	
Tariq Yousef, Antje Schlaf, Janos Borst, Andreas Niekler and Gerhard Heyer	153
<i>UMR-Writer: A Web Application for Annotating Uniform Meaning Representations</i>	
Jin Zhao, Nianwen Xue, Jens Van Gysel and Jinho D. Choi	160
<i>TranslateLocally: Blazing-fast translation running on the local CPU</i>	
Nikolay Bogoychev, Jelmer Van der Linde and Kenneth Heafield	168
<i>Datasets: A Community Library for Natural Language Processing</i>	
Quentin Lhoest, Albert Villanova del Moral, Yacine Jernite, Abhishek Thakur, Patrick von Platen, Suraj Patil, Julien Chaumond, Mariama Drame, Julien Plu, Lewis Tunstall, Joe Davison, Mario Šaško, Gunjan Chhablani, Bhavitvya Malik, Simon Brandeis, Teven Le Scao, Victor Sanh, Canwen Xu, Nicolas Patry, Angelina McMillan-Major, Philipp Schmid, Sylvain Gugger, Clément Delangue, Théo Matussière, Lysandre Debut, Stas Bekman, Pierric Cistac, Thibault Goehringer, Victor Mustar, François Lagunas, Alexander Rush and Thomas Wolf	175
<i>Summary Explorer: Visualizing the State of the Art in Text Summarization</i>	
Shahbaz Syed, Tariq Yousef, Khalid Al Khatib, Stefan Jänicke and Martin Potthast	185
<i>MeetDot: Videoconferencing with Live Translation Captions</i>	
Arkady Arkhangorodsky, Christopher Chu, Scot Fang, Yiqi Huang, Denglin Jiang, Ajay Nagesh, Boliang Zhang and Kevin Knight	195
<i>Box Embeddings: An open-source library for representation learning using geometric structures</i>	
Tejas Chheda, Purujit Goyal, Trang Tran, Dhruv Patel, Michael Boratko, Shib Sankar Dasgupta and Andrew McCallum	203
<i>LexiClean: An annotation tool for rapid multi-task lexical normalisation</i>	
Tyler Bikaun, Tim French, Melinda Hodkiewicz, Michael Stewart and Wei Liu	212
<i>T3-Vis: visual analytic for Training and fine-Tuning Transformers in NLP</i>	
Raymond Li, Wen Xiao, Lanjun Wang, Hyeju Jang and Giuseppe Carenini	220
<i>DomiKnowS: A Library for Integration of Symbolic Domain Knowledge in Deep Learning</i>	
Hossein Rajaby Faghihi, Quan Guo, Andrzej Uszok, Aliakbar Nafar and Parisa Kordjamshidi	231
<i>OpenFraming: Open-sourced Tool for Computational Framing Analysis of Multilingual Data</i>	
Vibhu Bhatia, Vidya Prasad Akavoor, Sejin Paik, Lei Guo, Mona Jalal, Alyssa Smith, David Assefa Tofu, Edward Edberg Halim, Yimeng Sun, Margrit Betke, Prakash Ishwar and Derry Tanti Wijaya	242
<i>IrEne-viz: Visualizing Energy Consumption of Transformer Models</i>	
Yash Kumar Lal, Reetu Singh, Harsh Trivedi, Qingqing Cao, Aruna Balasubramanian and Niranjan Balasubramanian	251

<i>Open-Domain Question-Answering for COVID-19 and Other Emergent Domains</i> Sharon Levy, Kevin Mo, Wenhan Xiong and William Yang Wang	259
<i>Project Debater APIs: Decomposing the AI Grand Challenge</i> Roy Bar-Haim, Yoav Kantor, Elad Venezian, Yoav Katz and Noam Slonim	267
<i>CroAno : A Crowd Annotation Platform for Improving Label Consistency of Chinese NER Dataset</i> Baoli Zhang, Zhucong Li, Zhen Gan, Yubo Chen, Jing Wan, Kang Liu, Jun Zhao, Shengping Liu and Yafei Shi	275
<i>iFacetSum: Coreference-based Interactive Faceted Summarization for Multi-Document Exploration</i> Eran Hirsch, Alon Eirew, Ori Shapira, Avi Caciularu, Arie Cattan, Ori Ernst, Ramakanth Pasunuru, Hadar Ronen, Mohit Bansal and Ido Dagan	283
<i>AMuSE-WSD: An All-in-one Multilingual System for Easy Word Sense Disambiguation</i> Riccardo Orlando, Simone Conia, Fabrizio Brignone, Francesco Cecconi and Roberto Navigli	298
<i>SeqAttack: On Adversarial Attacks for Named Entity Recognition</i> Walter Simoncini and Gerasimos Spanakis	308
<i>InVeRo-XL: Making Cross-Lingual Semantic Role Labeling Accessible with Intelligible Verbs and Roles</i> Simone Conia, Riccardo Orlando, Fabrizio Brignone, Francesco Cecconi and Roberto Navigli	319
<i>SummerTime: Text Summarization Toolkit for Non-experts</i> Ansong Ni, Zhangir Azerbayev, Mutethia Mutuma, Troy Feng, Yusen Zhang, Tao Yu, Ahmed Hassan Awadallah and Dragomir Radev	329
<i>Chandler: An Explainable Sarcastic Response Generator</i> Silviu Oprea, Steven Wilson and Walid Magdy	339
<i>TabPert : An Effective Platform for Tabular Perturbation</i> Nupur Jain, Vivek Gupta, Anshul Rai and Gaurav Kumar	350
<i>DRIFT: A Toolkit for Diachronic Analysis of Scientific Literature</i> Abheesht Sharma, Gunjan Chhablani, Harshit Pandey and Rajaswa Patil	361
<i>FAST: Fast Annotation tool for Smart devices</i> Shunyo Kawamoto, Yu Sawai, Kohei Wakimoto and Peinan Zhang	372
<i>deepQuest-py: Large and Distilled Models for Quality Estimation</i> Fernando Alva-Manchego, Abiola Obamuyide, Amit Gajbhiye, Frédéric Blain, Marina Fomicheva and Lucia Specia	382