AACL-IJCNLP 2022

The 2nd Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics
&
the 12th International Joint Conference on Natural Language Processing

Proceedings of System Demonstrations

November 20 - 23, 2022

©2022 The Association for Computational Linguistics

Order copies of this and other ACL proceedings from:

Association for Computational Linguistics (ACL)
209 N. Eighth Street
Stroudsburg, PA 18360
USA
Tel: +1-570-476-8006
Fax: +1-570-476-0860
acl@aclweb.org

ISBN 978-1-955917-55-1

Introduction

Welcome to the proceedings of the system demonstrations session. This volume contains the papers of the system demonstrations presented at the 2nd Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics and the 12th International Joint Conference on Natural Language Processing (AACL-IJCNLP) on November 20 - 23, 2022.

The AACL-IJCNLP 2022 demonstrations track invited submissions ranging from early research prototypes to mature production-ready systems. We received 17 submissions this year (an increase of 30% over the previous edition of the conference), of which 10 were selected for inclusion in the program (acceptance rate of 58.8%) after review by at least two members of the programme committee.

We would like to express our gratitude to the members of the programme committee. The candidate papers were selected by the demo chairs based on the feedback received by reviewers. Demonstration papers will be presented at the conference during the two poster sessions.

Maria Liakata
Wray Buntine
AACL-IJCNLP 2022 Demo Chairs

Demonstration Co-Chairs

Maria Liakata, Queen Mary University of London, UK
Wray Buntine, Vin University, Hanoi, Vietnam

Table of Contents

VScript: Controllable Script Generation with Visual Presentation
Ziwei Ji, Yan Xu, I-Tsun Cheng, Samuel Cahyawijaya, Rita Frieske, Etsuko Ishii, Min Zeng, Andrea Madotto and Pascale Fung 1

TexPrax: A Messaging Application for Ethical, Real-time Data Collection and Annotation
Lorenz Stangier, Ji-Ung Lee, Yuxi Wang, Marvin Müller, Nicholas Frick, Joachim Metternich and Iryna Gurevych 9

PicTalky: Augmentative and Alternative Communication for Language Developmental Disabilities
Chanjun Park, Yoonna Jang, Seolhwa Lee, Jaehyung Seo, Kisu Yang and Heuiseok Lim 17

UKP-SQuARE v2: Explainability and Adversarial Attacks for Trustworthy QA
Rachneet Sachdeva, Haritz Puerto, Tim Baumgärtner, Sewin Tariverdian, Hao Zhang, Kexin Wang, Hossain Shaikh Saadi, Leonardo F. R. Ribeiro and Iryna Gurevych 28

TaxFree: a Visualization Tool for Candidate-free Taxonomy Enrichment
Irina Nikishina, Ivan Andrianov, Alsu Vakhitova and Alexander Panchenko 39

F-coref: Fast, Accurate and Easy to Use Coreference Resolution
Shon Otmazgin, Arie Cattan and Yoav Goldberg 48

PIEKM: ML-based Procedural Information Extraction and Knowledge Management System for Materials Science Literature
Huichen Yang 57

BiomedCurator: Data Curation for Biomedical Literature
Mohammad Golam Sohrab, Khoa N.A. Duong, Ikeda Masami, Goran Topić, Yayoi Natsume-Kitatani, Masakata Kuroda, Mari Nogami Itoh and Hiroya Takamura 63

Text Characterization Toolkit (TCT)
Daniel Simig, Tianlu Wang, Verna Dankers, Peter Henderson, Khuyagbaatar Batsuren, Dieuwke Hupkes and Mona Diab 72

Meeting Decision Tracker: Making Meeting Minutes with De-Contextualized Utterances
Shumpei Inoue, Hy Nguyen, Hoang Pham, Tsungwei Liu and Minh-Tien Nguyen 88

Conference Program

VScript: Controllable Script Generation with Visual Presentation
Ziwei Ji, Yan Xu, I-Tsun Cheng, Samuel Cahyawijaya, Rita Frieske, Etsuko Ishii, Min Zeng, Andrea Madotto and Pascale Fung

TexPrax: A Messaging Application for Ethical, Real-time Data Collection and Annotation
Lorenz Stangier, Ji-Ung Lee, Yuxi Wang, Marvin Müller, Nicholas Frick, Joachim Metternich and Iryna Gurevych

PicTalky: Augmentative and Alternative Communication for Language Developmental Disabilities
Chanjun Park, Yoonna Jang, Seolhwa Lee, Jaehyung Seo, Kisu Yang and Heuiseok Lim

UKP-SQuARE v2: Explainability and Adversarial Attacks for Trustworthy QA
Rachneet Sachdeva, Haritz Puerto, Tim Baumgärtner, Sewin Tariverdian, Hao Zhang, Kexin Wang, Hossain Shaikh Saadi, Leonardo F. R. Ribeiro and Iryna Gurevych

TaxFree: a Visualization Tool for Candidate-free Taxonomy Enrichment
Irina Nikishina, Ivan Andrianov, Alsu Vakhitova and Alexander Panchenko

F-coref: Fast, Accurate and Easy to Use Coreference Resolution
Shon Otmazgin, Arie Cattan and Yoav Goldberg

PIEKM: ML-based Procedural Information Extraction and Knowledge Management System for Materials Science Literature
Huichen Yang

BiomedCurator: Data Curation for Biomedical Literature
Mohammad Golam Sohrab, Khoa N.A. Duong, Ikeda Masami, Goran Topić, Yayoi Natsume-Kitatani, Masakata Kuroda, Mari Nogami Itoh and Hiroya Takamura

Text Characterization Toolkit (TCT)
Daniel Simig, Tianlu Wang, Verna Dankers, Peter Henderson, Khuyagbaatar Batsuren, Dieuwke Hupkes and Mona Diab

Meeting Decision Tracker: Making Meeting Minutes with De-Contextualized Utterances
Shumpei Inoue, Hy Nguyen, Hoang Pham, Tsungwei Liu and Minh-Tien Nguyen