

Preface: Computational Linguistics Workshop

Nina Khairova^{1,2}, Thierry Hamon³, Natalia Grabar⁴ and Yevhen Burov⁵

¹ Umeå University, Sweden

² National Technical University "Kharkiv Polytechnic Institute", Ukraine

³ Institut Galilée - Univ. Sorbonne Paris Nord, France

⁴ University of Lille, France

⁵ Lviv Polytechnic National University, Ukraine

Abstract

This document is the preface of the Computational Linguistics Workshop of the 7th International Conference on Computational Linguistics and Intelligent Systems (CoLInS 2023), April 20–21, 2023, held in Kharkiv, Ukraine.

1. Preface

The main purpose of the Computational Linguistics Workshop is a discussion of the recent research results in all areas of Technology for Natural Language Processing and Intelligent Systems Development. The conference is soliciting literature review, survey and research papers comments including, whilst not limited to, the following areas of interest:

1.1. Natural Language Processing

- Machine translation;
- Text summarization;
- Named-entity recognition;
- Information retrieval;
- Text classification;
- Sentiment analysis;
- Automated speech recognition;
- Question answering system;
- Topic modeling;
- Text generation;
- Text understanding;
- Text simplification;
- Spam filtering technology;
- Error correction;
- Chatbots and conversational agents.
- Voice cloning, voice encoders, voice readers, voice output communication aids.

1.2. Corpus Technologies, Ontologies and Computer Lexicography

- Corpus creation;
- Corpus annotation;
- Corpus-based translation;
- Collocation identification and extraction;

COLINS-2023: 7th International Conference on Computational Linguistics and Intelligent Systems, April 20–21, 2023, Kharkiv, Ukraine
EMAIL: nina.khairova@gmail.com (N. Khairova); hamon@limsi.fr (T. Hamon); natalia.grabar@univ-lille.fr (N. Grabar); Yevhen.V.Burov@lpnu.ua (Y. Burov)
ORCID: 0000-0002-9826-0286 (N. Khairova); 0000-0002-1521-4875 (T. Hamon); 0000-0002-0237-4554 (N. Grabar); 0000-0001-8653-1520 (Y. Burov)



© 2023 Copyright for this paper by its authors.
Use permitted under Creative Commons License Attribution 4.0 International (CC BY 4.0).
CEUR Workshop Proceedings (CEUR-WS.org)

- Thesauri, ontologies, ontology building;
 - Ontology models and ontological graphs;
 - Lexicographic systems.
 - Digital learner's dictionaries;
 - General and special purpose digital dictionaries;
 - Digital dictionary-based research;
 - Virtual lexicographic laboratories;
 - Dictionary-writing systems;
- 1.3. Computer-Based Discourse Analysis and Social Media Analysis
- Discourse organization;
 - Critical discourse analysis;
 - Sarcasm detection;
 - Opinion mining and emotion detection;
 - Essay grading;
 - Unambiguity / wordplay identification;
 - Computer-mediated communication;
 - Digital multimodal text creation;
 - Statistical text analysis;
 - Conceptualization;
 - Fake news detection;
 - Text authorship identification;
 - Good/evil character traits identification.

The language of Computational Linguistics Workshop is English.

The Computational Linguistics Workshop took the form of oral presentation by peer-reviewed individual papers. The papers were distributed among 93 external reviewers from France, Germany, The Netherlands, United States, United Kingdom, India, Moldova, Czech Republic, Poland, Bulgaria, Portugal, Serbia, Slovenia, Finland and Ukraine. The total number of reviews is 157. To take more correct decision regarding the acceptance or rejection the papers got 3-7 reviews. The peer review statistics is as follows: 23 papers (3 reviews), 7 paper (4 reviews), 3 paper (5 reviews), 4 papers (6 reviews), and 3 paper (7 reviews).

The Computational Linguistics Workshop gathered participants from different countries including Austria, Germany, Poland France, Ukraine, Viet Nam and Republic of Kazakhstan.

This year Organizing Committee received 69 submissions, out of which 40 were accepted for presentation as a regular papers. These papers and extended abstracts were published in this Volume II of 7th International Conference on Computational Linguistics and Intelligent Systems (CoLLnS 2023) proceedings.

2. Acknowledgments

The Machine Learning Workshop would not have been possible without the support of many people. First of all, we would like to thank all the authors who submitted papers to Machine Learning Workshop and thus demonstrated their interest in the research problems within our scope. We are very grateful to the members of our Program Committee for providing timely and thorough reviews and, also, for being cooperative in doing additional review work. We would like to thank the Organizing Committee of the conference whose devotion and efficiency made this instance of Machine Learning Workshop a very interesting and effective scientific forum. We would like to thank Machine Learning Workshop Chairs, as well as Program Committee and all Reviewers, for their diligence in selecting the papers and ensuring their high scientific quality.