Preface

This volume contains the papers presented at International Workshop on Computational Models in Language and Speech co-located with the 15th International Conference on Computational and Cognitive Linguistics (TEL-2018, http://telconf.tatar). The TEL-2018 conference was held from October 31 to November 3, 2018 in Kazan, Russia. The conference and the workshop are organized by the Institute of Applied Semiotics of Tatarstan Academy of Sciences and Kazan Federal University.

The goal of this workshop is to bring together leading researchers from artificial intelligence, computational linguists, software researchers that are interested in natural language processing – both as speakers and as audience members. Its ultimate goal is to share knowledge, discuss open research questions, and inspire new paths.

The scope of “Computational Models in Language and Speech” workshop includes the following topics:

- Semantic analysis of the text;
- Semantic Web technologies;
- Thesauri, ontologies;
- Machine translation;
- Natural Language Processing;
- Speech technologies.

We received 22 submissions describing new research for the workshop. Collected papers have undergone preliminary reviewing. The acceptance rate for papers was 64% (12 full papers and 2 short papers were accepted).

The TEL-2018 conference and this workshop were supported by the Russian Foundation for Basic Research, the project # 18-47-161001.

We would like to thank all who contributed to our workshop. First of all, we thank the authors for submitting their high-quality research works to the workshop. We would like to thank the members of the program committee for their valuable review contributions. We are grateful to our organizing committees, who made the conference possible.
Program Committee Chair
Alexander Elizarov, Dr.Sc., Kazan (Volga Region) Federal University, N.I. Lobachevsky Institute of Mathematics and Mechanics, Kazan, Russia.

Program Committee and Reviewers
1. Natalia Loukachevitch, Dr.Sc., Lomonosov Moscow State University, Research Computing Center, Moscow, Russia
2. Dmitry Lande, Dr.Sc., Institute for Information Recording, National Academy of Sciences of Ukraine, Kyiv, Ukraine
3. Olga Nevzorova, Cand.Sc., Tatarstan Academy of Sciences, Institute of Applied Semiotics, Kazan, Russia
4. Valery Solovyev, Dr.Sc., Kazan (Volga Region) Federal University, Leo Tolstoy Institute of Philology and Intercultural Communication, Kazan, Russia
5. Vladimir Polyakov, Cand.Sc., Russian Academy of Sciences, Institute of Linguistics, Moscow, Russia
6. Mikhail Kopotev, Ph.D., University of Helsinki, Department of Modern Languages, Helsinki, Finland
7. Airat Khasianov, Ph.D., Kazan (Volga Region) Federal University, Higher School of Information Technologies and Information Systems, Kazan, Russia
8. Dzhavdet Suleymanov, Dr.Sc., Tatarstan Academy of Sciences, Institute of Applied Semiotics, Kazan, Russia
9. Alexander Kirillovich, Kazan (Volga Region) Federal University, N.I. Lobachevsky Institute of Mathematics and Mechanics, Kazan, Russia
11. Elena Tutubalina, Cand.Sc., Kazan (Volga Region) Federal University, Higher School of Information Technologies and Information Systems, Kazan, Russia
12. Aidar Khusainov, Cand.Sc., Tatarstan Academy of Sciences, Institute of Applied Semiotics, Kazan, Russia
13. Alexander Fridman, Dr.Sc., Kola Science Center of Russian Academy of Sciences, Institute for Informatics and Mathematical Modelling, Apatity, Murmanskaya obl., Russia
14. Sergei Tatevosov, Dr.Sc., Lomonosov Moscow State University, Faculty of Philology, Moscow, Russia

Organizing Committee
1. Olga Nevzorova, co-chair, Cand.Sc., Tatarstan Academy of Sciences, Institute of Applied Semiotics, Kazan, Russia
2. Rinat Gilmullin, Cand.Sc., Tatarstan Academy of Sciences, Institute of Applied Semiotics, Kazan, Russia
3. Ajrat Gatiatullin, Cand.Sc., Tatarstan Academy of Sciences, Institute of Applied Semiotics, Kazan, Russia
4. Alfiya Galieva, Cand.Sc., Tatarstan Academy of Sciences, Institute of Applied Semiotics, Kazan, Russia

Editors
1. Alexander Elizarov, Dr.Sc., Kazan (Volga Region) Federal University, N.I. Lobachevsky Institute of Mathematics and Mechanics, Kazan, Russia
2. Natalia Loukachevitch, Dr.Sc., Lomonosov Moscow State University, Research Computing Center, Moscow, Russia