

INTERNATIONAL CONFERENCE RANLP 2017

**RECENT ADVANCES
IN NATURAL LANGUAGE PROCESSING
MEET DEEP LEARNING**

P R O C E E D I N G S

Edited by Galia Angelova, Kalina Bontcheva, Ruslan Mitkov, Ivelina Nikolova, Irina Temnikova

Varna, Bulgaria

2–8 September, 2017

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Recent Advances in
Natural Language Processing Meet Deep Learning

PROCEEDINGS

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Preface

Welcome to the 11th International Conference on “Recent Advances in Natural Language Processing” (RANLP 2017) in Varna, Bulgaria, 2-8 September 2017. The main objective of the conference is to give researchers the opportunity to present new results in Natural Language Processing (NLP) based on modern theories and methodologies.

The conference is preceded by two days of tutorials (2–3 September 2017) given by the following lecturers:

- Ondřej Bojar and Jindrich Helcl (Charles University)
- Noa Cruz (Virgen del Rocio Hospital, Seville)
- Veronique Hoste and Orphee De Clercq (Ghent University)
- Sanja Štajner (Mannheim University)

The conference keynote speakers are:

- Robert Dale (Language Technology Group)
- Josef van Genabith (DFKI, Saarbruecken)
- Veronique Hoste (Ghent University)
- Roberto Navigli (Sapienza University of Rome)
- Joakim Nivre (Uppsala University)

This year 25 regular papers, 41 short papers, 40 posters, and 2 demos have been accepted for presentation at the conference. In 2017 RANLP hosts five workshops on influential NLP topics: Natural Language Processing and Information Retrieval; Knowledge Resources for the Socio-Economic Sciences and Humanities; Human-Informed Translation and Interpreting Technology; Biomedical Natural Language Processing; and Language Technology for Digital Humanities in Central and (South-)Eastern Europe.

The proceedings cover a wide variety of NLP topics, including but not limited to: deep learning; machine translation; opinion mining and sentiment analysis; semantics and discourse; named entity recognition; coreference resolution; corpus annotation; parsing and morphology; text summarisation and simplification; event extraction; fact checking and rumour analysis; NLP for healthcare; and NLP for social media.

We would like to thank all members of the Programme Committee and all additional reviewers. Together they have ensured that the best papers were included in the Proceedings and have provided invaluable comments for the authors.

Finally, special thanks go to the University of Wolverhampton, the Institute of Information and Communication Technologies at the Bulgarian Academy of Sciences, the Bulgarian National Science Fund, Ontotext and Identrics for their generous support of RANLP.

Welcome to Varna and we hope that you enjoy the conference!

The RANLP 2017 Organisers

The International Conference RANLP–2017 is organised by:

Research Group in Computational Linguistics,
University of Wolverhampton, UK

Linguistic Modelling and Knowledge Processing Department,
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Bulgarian Academy of Sciences, Bulgaria

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