2nd International Workshop on Natural Scientific Language Processing and Research Knowledge Graphs (NSLP 2025): Preface

Georg Rehm[1,2], Sonja Schimmler[3,4], Stefan Dietze[5,6] and Natalia Manola[7]

[1]*Deutsches Forschungszentrum für Künstliche Intelligenz GmbH (DFKI), Berlin, Germany*

[2]*Humboldt-Universität zu Berlin, Berlin, Germany*

[3]*Technical University of Berlin, Berlin, Germany*

[4]*Fraunhofer FOKUS, Berlin, Germany*

[5]*GESIS Leibniz Institut für Sozialwissenschaften, Cologne, Germany*

[6]*Heinrich-Heine-University Düsseldorf, Düsseldorf, Germany*

[7]*OpenAIRE, Athens, Greece*

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1. Preface

Scientific research is almost exclusively published in unstructured text formats, which are not readily machine-readable. While technological approaches can help to get this flood of scientific information and new knowledge under control, the development of such technologies is very complex in practice and hinders the creation of infrastructures and systems to track research and assist the scientific community with applications such as dedicated scientific search engines and recommender systems. The 2nd Workshop on Natural Scientific Language Processing and Research Knowledge Graphs (NSLP) brought together researchers working on the processing, analysis, transformation and making-use-of scientific language and Research Knowledge Graphs including all relevant sub-topics. The NSLP 2025 workshop was co-located with ESWC 2025 in Portorož, Slovenia.

In addition to the opportunity to submit papers covering original research that fits the workshop's topics of interest, the event also offered three shared tasks: Field of Research Classification of Scholarly Publications (FoRC), Metadata Extraction from Scholarly Documents (MESD) and Github ReadMe to Knowledge Graph (ReadMe2KG). This proceedings volume contains two overview articles that describe the FoRC and MESD shared tasks in more detail as well as one paper describing one system submitted to the FoRC shared task.

With NSLP 2025 as the second edition of this workshop series [1], we were happy about a total of 17 submissions out of which 10 papers were accepted (59%) after a thorough, double-blind peer-review process with three reviews per submission. The NSLP 2025 workshop consisted of paper and poster presentations as well as the invited keynote presentation "Performing Research Analytics at Scale: the Dimensions Reporting Platform", given by Michele Pasin (Digital Science, UK).

We would like to thank the ESWC 2025 organisers and overall workshop chairs for accepting our workshop proposal. We would also like to extend our gratitude to the keynote speaker for his

insightful talk. Thanks are also due to the members of the Programme Committee for reviewing the paper submissions under rather tight deadlines. Finally, we would like to thank Raia Abu Ahmad and Ekaterina Borisova for setting up and maintaining the workshop website.[1]

2. Organising Committee

- Georg Rehm, Deutsches Forschungszentrum für Künstliche Intelligenz GmbH and Humboldt-Universität zu Berlin, Germany
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- Stefan Dietze, GESIS Leibniz Institut für Sozialwissenschaften and Heinrich-Heine-University Düsseldorf, Germany
- Natalia Manola, OpenAIRE, Greece

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[1]https://nfdi4ds.github.io/nslp2025/