## Preface of the Joint Workshop Proceedings of the 5th Sem4Tra Workshop, and 2nd NLP4KGC Workshop co-located with SEMANTiCS 2023

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## 1. Preface

This volume contains the proceedings of the Workshops Track of the 19th International Conference on Semantic Systems, SEMANTiCS 2023, which took place from September 20 - 22, 2023 in Leipzig, Germany. SEMANTiCS is the annual meeting place for professionals who make

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semantic computing work, who understand its benefits and encounter its limitations. Every year, SEMANTiCS attracts information managers, IT architects, software engineers and researchers from organisations ranging from research facilities, NPOs, through public administrations to the largest and/or most innovative companies in the world.

At this year's SEMANTiCS conference, workshop proposals were especially welcomed on the following "hot" topics:

- Web Semantics & Linked (Open) Data
- Enterprise Knowledge Graphs, Graph Data Management and Deep Semantics
- Machine Learning & Deep Learning Techniques
- Semantic Information Management & Knowledge Integration
- Terminology, Thesaurus & Ontology Management
- Data Mining and Knowledge Discovery
- Reasoning, Rules and Policies
- · Natural Language Processing and Computational Linguistics
- Social and Human aspects of Semantic Web
- Data Quality Management and Assurance
- Explainable Artificial Intelligence
- Semantics in Data Science
- Semantics of Blockchain & Distributed Ledger Technologies
- Trust, Data Privacy, and Security with Semantic Technologies
- Economics of Data, Data Services and Data Ecosystems
- Applications of Semantic Web technologies in domains such as law, medicine, life sciences, digital humanities, mobility and smart cities, etc.

The conference especially invited proposal contributions that illustrated the applicability of the topics mentioned above for industrial purposes and/or illustrated the business relevance of their contribution for specific industries. Workshop proposals on emerging themes for the topics listed above were also encouraged.

Finally, three workshops were accepted to be co-located with SEMANTiCS 2023. They were the following: 3rd Workshop on Ontologies for FAIR and FAIR Ontologies (Onto4FAIR), 5th International Workshop On A Semantic Data Space For Transport (Sem4Tra), and 2nd NLP4KGC: Natural Language Processing for Knowledge Graph Construction. This compound volume as a joint workshop proceedings for the SEMANTiCS conference contains the papers of two of the three accepted workshops, i.e. for Sem4Tra and NLP4KGC. Individually, Sem4Tra accepted 3 submissions, and NLP4KGC accepted 6 paper submissions. Cumulatively, this volume comprises all 9 papers.

We hope that these proceedings will provide you with new inspiration for your research and with opportunities for partnerships with other research groups, academic and industrial participants.

Sincerely yours,

The Proceedings Editors