

Proceedings of the QURATOR 2020 Conference on Digital Curation Technologies

Preface

Digital curation is a complex time and knowledge intensive process, in which knowledge workers create new content artefacts and knowledge insights from heterogeneous sources (content, data, knowledge). The work required for this includes, among others, selecting, summarizing, scheduling, translating, localising, structuring, condensing, enriching, visualizing and explaining the various contents, taking into account the steadily growing speed, volume and number of sources such as online newspapers, news portals, social media, linked data, business information systems, IoT data streams etc. Artificial Intelligence approaches, in particular from the field of Language and Semantic Knowledge Technologies, are used not only to support these tasks but to accelerate and qualitatively improve them.

The objectives of the first International Conference on Digital Curation Technologies, Qurator 2020, are to provide a forum dedicated to the dissemination of original research, the discussion of practical insights, the reporting on relevant experience relating to the adoption of digital curation technologies in different application domains, and the demonstration of tools in domain-specific use cases. It is also meant to be a forum for the exchange of ideas and initial results, for example, through posters and demos.

Qurator 2020 was organized at Fraunhofer FOKUS, January 20/21, 2020, Berlin, Germany. The technical program includes carefully selected results from research and development in five regular papers, nine short talks and one student paper. These were complemented by 12 posters/demos and two keynote talks by:

- Prof. Dr. Sören Auer, Leibniz-Informationszentrum Technik und Naturwissenschaften Universitätsbibliothek (TIB): “Knowledge Curation in the Open Research Knowledge Graph”
- Prof. Dr. Kalina Bontcheva, University of Sheffield: “Automatic Detection of Online Disinformation: Major Challenges Ahead”

The Qurator 2020 organizers were pleased to note the applied nature of submissions.

The organizers wish to thank the members of the programme committee for reviewing the submitted papers. We would also like to thank all authors of submitted papers. We further wish to thank the keynote speakers for contributing their talks. We are very grateful to our main sponsor, the German Federal Ministry of Education and Research (BMBF), and our supporting partners Xinnovations e.V. and InfAI e.V. as well as our cooperation partners.

Berlin, Germany, January 2020,

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