

Preface

LWDA 2020 is a joint conference of four special interest groups of the German Computer Science Society (GI), addressing research in the areas of knowledge discovery and machine learning, information retrieval, database systems, and knowledge management. The German acronym LWDA stands for “Lernen, Wissen, Daten, Analysen” (Learning, Knowledge, Data, Analytics). Following the tradition of the last years, LWDA 2020 provides a joint forum for experienced and young researchers, to bring insights to recent trends, technologies and applications and to promote interaction among the special interest groups. The following special interest groups participate at LWDA 2020:

- KDML (Knowledge Discovery, Data Mining and Machine Learning)
- FGWM (Knowledge Management)
- FGWI-BIA (Business Intelligence and Analytics)
- FGDB (Database Systems)

LWDA 2020 was planned to be held at the University of Bonn. Due to Covid-19 the organizers decided to host the conference virtually in the interest of public health. The papers of the individual workshops have been peer reviewed and selected by independent program committees from the respective domains. The program consists of several joint sessions which include contributions of interest for all conference participants. In addition, there are parallel sessions for individual workshops focussing on more specific topics. A poster session and short pitch videos gives all presenters the opportunity to discuss their work in a broader context. Recent trends in the corresponding research areas are highlighted by three distinguished keynote speakers:

- Geoff Webb, Monash University
- Kristian Kersting, Technical University of Darmstadt
- Thomas Gärtner, Technical University of Vienna

The organizers would like to thank the workshop chairs and their program committees for their excellent work as well as the keynote speakers for their contribution to the success of LWDA 2020. We hope that LWDA 2020 will be an inspiring event for all participants with lots of scientific exchange and discussions.

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