Preface

LWDA 2022 is a joint conference of several 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, business intelligence, and knowledge management. The German acronym LWDA stands for "Lernen, Wissen, Daten, Analysen" (Learning, Knowledge, Data, Analysis). Following the tradition of the last years, LWDA 2022 provides a joint forum for experienced and young researchers to bring insights into recent trends, technologies, and applications. In addition, another conference goal is to promote interaction among the special interest groups. This year, the following special interest groups participate at LWDA 2022:

- FGDB (Database Systems)
- FGKDML (Knowledge Discovery, Data Mining, and Machine Learning)
- FGWM (Knowledge Management)

The special interest groups FGBIA (Business Intelligence and Analytics) and FGIR (Information Retrieval) are not able to participate this year, but hopefully will again at future LWDA conferences. The LWDA 2022 is held in attendance at the University of Hildesheim and the attendance of numerous participants is a great contribution to the goal of interaction among the special interest groups after the digital conferences during the COVID-19 pandemic.

The papers of the individual workshops are peer-reviewed and selected by independent program committees from the respective domains. The committees decide to accept 25 (full and short) research papers for the inclusion in the proceedings. 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 of the special interest groups.

Recent trends in the corresponding research areas are highlighted by four distinguished keynote speakers:

- Zoi Kadoui, Technial University Berlin
- Carsten Binning, Technical University Darmstadt
- Andreas Hotho, University of Würzburg
- Catarina Pinto Moreira, Queensland University of Technology

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 the LWDA 2022. We hope that LWDA 2022 is an inspiring event for all participants with lots of scientific and social exchange and discussions.

December 10, 2022

Pascal Reuss
Jakob Schönborn
Viktor Eisenstadt
Jero Schäfer

Organization

LWDA 2022 is hosted and organized by the research group "Intelligent Information Systems" at the University of Hildesheim.

LWDA 2022 General Chairs
　　Pascal Reuss, Universität Hildesheim
　　Jakob Schönborn, Universität Hildesheim

Workshop on Database Systems 2022 Chairs
　　Ziawasch Abedjan, Leibnitz Universität Hannover
　　Wolfgang Nejdl, Leibnitz Universität Hannover

Workshop on Knowledge Discovery and Machine Learning 2022 Chairs
　　Pascal Welke, Rheinische Friedich-Wilhelms-Universität Bonn
　　Felix Stamm, Rheinisch-Westfälische Technische Hochschule Aachen

Workshop on Knowledge Management 2022 Chairs
　　Andreas Korger, Universität Würzburg
　　Michael Leyer, Universität Marburg

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