

Preface

LWDA 2021 is a joint conference of six 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 2021 provides a joint forum for experienced and young researchers, to bring insights into recent trends, technologies, and applications and to promote interaction among the special interest groups. The following special interest groups participate at LWDA 2021:

- FGDB (Database Systems)
- FGKDML (Knowledge Discovery, Data Mining, and Machine Learning)
- FGBIA (Business Intelligence and Analytics)
- FGWM (Knowledge Management)
- FGIR (Information Retrieval)
- FGGVDB (Fundamentals of Databases)

LWDA 2021 was planned to be held at LMU Munich. Due to Covid19, 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 committees decided to accept 27 (full and short) research papers for 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.

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

- Michael Leyer, Rostock University
- Mykola Pechenizkiy, Technical University of Eindhoven
- Arjen de Vries, Radboud University

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 2021. We hope that LWDA 2021 will be an inspiring event for all participants with lots of scientific exchange and discussions.

August 26, 2021

Michael Fromm
Sandra Obermeier
Thomas Seidl

Organization

LWDA 2021 is hosted and organized jointly with the Munich Center for Machine Learning (MCML) and the research group "Database Systems and Data Mining" at Ludwig-Maximilians-Universität München (LMU Munich).

LWDA 2021 General Chairs

Thomas Seidl, LMU Munich
Sandra Obermeier, LMU Munich
Michael Fromm, LMU Munich

Workshop on Business Intelligence 2021 Chair

Henning Baars, Universität Stuttgart

Workshop on Knowledge Discovery and Machine Learning 2021 Chairs

Emmanuel Müller, TU Dortmund University
Martin Atzmüller, Universität Osnabrück

Workshop on Knowledge Management 2021 Chairs

Christian Sauer, Universität Hildesheim
Jakob Michael Schönborn, Universität Hildesheim

Workshop on Information Retrieval 2021 Chairs

Klaus Berberich, HTW Saar
Philipp Schaer, TH Köln