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Editor

Uta Störl
FernUniversität in Hagen
Chair of Databases and Information Systems
D-58084 Hagen
Germany
uta.stoerl@fernuni-hagen.de

35. GI-Workshop Grundlagen von Datenbanken

Hagen 2024

Preface

The 35th Workshop "Grundlagen von Datenbanken" ("Foundations of Database Systems") took place at Ringhotel Zweibrücker Hof Herdecke (Nordrhein-Westfalen, Germany) from 22 May to 24 May 2024 with 31 participants. This workshop is organized annually since 1989 by the GI Working Group "Foundations of Information Systems" in the GI Section "Databases and Information Systems" (DBIS) and has offered young scientists a platform for the exchange of their research approaches. This year's workshop was organized by the Chair of "Databases and Information Systems" at the University of Hagen. A total of 14 scientific contributions from Germany and Austria were selected through a review process and presented by the authors at the workshop.

The program was rounded off with two keynotes. Heiko Schuldt from the University of Basel (Switzerland) presented the first keynote: "It's All So Different: How to Deal with Multiple Data Models, Media Types, and Modalities in Big Data Management and Retrieval" and covered an overview of the various challenges of data management in the age of big data. He presented selected big data projects of the Databases and Information Systems Research Group at the University of Basel that address these challenges. Jan Nidzwetzki gave the second keynote entitled "Handling Time-Series Data in a Relational DBMS: Challenges and Solutions". He discussed the challenges that time series data pose for DBMS, as the system needs to continuously be able to insert new data without blocking due to parallel running queries or maintenance operations.

In addition to the scientific contributions mentioned above, there was a walk through Herdecke and along the Ruhr. The workshop was financially supported by the GI Section "Databases and Information Systems". We are very grateful for this. Further thanks go to the entire team of the Chair of "Databases and Information Systems", who supported us significantly in the organization of the workshop. We also thank the reviewers for their constructive comments.

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Uta Störl