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Database and Expert Systems Applications

DEXA 2018 International Workshops
BDMICS, BIOKDD, and TIR
Regensburg, Germany, September 3–6, 2018
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Preface

The Database and Expert Systems Applications (DEXA) workshops are a platform for the exchange of ideas, experiences, and opinions among theoreticians and practitioners – those who are defining requirements for future systems in the areas of database and artificial technologies.

The DEXA workshop papers include papers that are primarily concerned with very specialized topics on applications of database and expert systems technology. We want to thank all workshop organizers for their excellent work.

This was the first time that DEXA workshop papers were published in the *Communications in Computer and Information Science* (CCIS) by Springer.

DEXA 2018 was the 29th annual scientific platform on Database and Expert Systems Applications after Vienna, Berlin, Valencia, Prague, Athens, London, Zurich, Toulouse, Vienna, Florence, Greenwich, Munich, Aix en Provence, Prague, Zaragoza, Copenhagen, Krakow, Regensburg, Turin, Linz, Bilbao, Toulouse, Vienna, Prague, Munich, Valencia, Porto, and Lyon. This year DEXA took place at the University of Regensburg, Germany. Special thanks to Günther Pernul and his local organizing team from the University of Regensburg for hosting DEXA 2018. We would like to express our thanks to all institutions actively supporting this event, namely:

- University of Regensburg
- City of Regensburg
- DEXA Association
- Institute for Application Oriented Knowledge Processing, University of Linz (FAW)
- FAW GmbH

The workshops took place in parallel to the DEXA conference and the program included the following three workshops:

- BDMICS 2018: Third International Workshop on Big Data Management in Cloud Systems
- BIOKDD 2018: 9th International Workshop on Biological Knowledge Discovery from Data
- TIR 2018: 15th International Workshop on Technologies for Information Retrieval

June 2018

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