Gabriele Kotsis · A Min Tjoa · Ismail Khalil · Bernhard Moser · Alfred Taudes · Atif Mashkoor · Johannes Sametinger · Jorge Martinez-Gil · Florian Sobieczky · Lukas Fischer · Rudolf Ramler · Maqbool Khan · Gerald Czech (Eds.)

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Database and Expert Systems Applications - DEXA 2022 Workshops

33rd International Conference, DEXA 2022
Vienna, Austria, August 22–24, 2022
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Preface

After two years of virtual events, the 33rd International Conference on Database and Expert Systems Applications (DEXA 2022) and the related conferences and workshops were back in person. This year, the DEXA events were held at the Vienna University of Economics and Business (WU) during August 22–24, 2022.

DEXA workshops are a platform for the exchange of ideas, experiences, and opinions among scientists and practitioners – those who are defining the requirements for future systems in the areas of database and artificial intelligence technologies.

This year DEXA featured six international workshops:

- The 6th International Workshop on Cyber-Security and Functional Safety in Cyber-Physical Systems (IWCFS 2022)
- The 4th International Workshop on Machine Learning and Knowledge Graphs (MLKgraphs 2022)
- The 2nd International Workshop on Time Ordered Data (ProTime 2022)
- The 2nd International Workshop on AI System Engineering: Math, Modelling and Software (AISys 2022)
- The 1st International Workshop on Distributed Ledgers and Related Technologies (DLRT 2022)
- The 1st International Workshop on Applied Research, Technology Transfer and Knowledge Exchange in Software and Data Science (ARTE 2022)

This proceedings includes papers that focus mainly on very specialized topics linked to applications of database and expert systems technologies, which were selected for presentation at the DEXA 2022 workshops. There were 62 submissions sent for peer-review. Out of these, 40 full papers were accepted after a mixed review process, which included single-blind and double-blind reviews. Each paper underwent approximately 3 reviews.

We would like to thank all workshop chairs and Program Committee members for their excellent work, namely, Atif Mashkoor and Johannes Sametinger, the chairs of IWCFS 2022; Jorge Martinez-Gil, the chair of MLKgraphs 2022; Siegfried Hörmann, Hans Manner, and Florian Sobieczky, the chairs of ProTime 2022; Paolo Meloni, Maqbool Khan, Gerald Czech, Thomas Hoch, and Bernhard Moser, the chairs of AISys 2022; Alfred Taudes, Edgar Weippl, and Bernhard Haslhofer, the chairs of DLRT 2022; and Lukas Fischer and Rudolf Ramler, the chairs of ARTE 2022.

Last but not least, we would like to express our thanks to all institutions actively supporting this event:

- Johannes Kepler University Linz (JKU)
- Software Competence Center Hagenberg (SCCH)

- International Organization for Information Integration and Web-based Applications and Services (@WAS)
- Vienna University of Economics and Business (WU)

Finally, we hope that all the participants of the DEXA 2022 workshops enjoyed the program we put together.

August 2022

Gabriele Kotsis
A Min Tjoa
Ismail Khalil

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Contents

AI System Engineering: Math, Modelling and Software

Unboundedness of Linear Regions of Deep ReLU Neural Networks 3
Anton Ponomarchuk, Christoph Koutschan, and Bernhard Moser

Applying Time-Inhomogeneous Markov Chains to Math Performance Rating 11
Eva-Maria Infanger, Gerald Infanger, Zsolt Lavicza, and Florian Sobieczky

A Comparative Analysis of Anomaly Detection Methods for Predictive Maintenance in SME 22
Muhammad Qasim, Maqbool Khan, Waqar Mehmood, Florian Sobieczky, Mario Pichler, and Bernhard Moser

A Comparative Study Between Rule-Based and Transformer-Based Election Prediction Approaches: 2020 US Presidential Election as a Use Case 32
Asif Khan, Huaping Zhang, Nada Boudjellal, Lin Dai, Arshad Ahmad, Jianyun Shang, and Philipp Haindl

Detection of the 3D Ground Plane from 2D Images for Distance Measurement to the Ground 44
Ozan Cakiroglu, Volkmar Wieser, Werner Zellinger, Adriano Souza Ribeiro, Werner Kloihofer, and Florian Kromp

Towards Practical Secure Privacy-Preserving Machine (Deep) Learning with Distributed Data 55
Mohit Kumar, Bernhard Moser, Lukas Fischer, and Bernhard Freudenthaler

Applied Research, Technology Transfer and Knowledge Exchange in Software and Data Science

Collaborative Aspects of Solving Rail-Track Multi-sensor Data Fusion 69
Florian Kromp, Fabian Hinterberger, Datta Konanur, and Volkmar Wieser

From Data to Decisions - Developing Data Analytics Use-Cases in Process Industry 79
Johannes Himmelbauer, Michael Mayr, and Sabrina Luftensteiner

Challenges in Mass Flow Estimation on Conveyor Belts in the Mining Industry: A Case Study 90
Bernhard Heinzl, Christian Hinterreiter, Michael Roßbory, and Christian Hinterdorfer

A Table Extraction Solution for Financial Spreading 100
Duc-Tuyen Ta, Siwar Jendoubi, and Aurélien Baelde

Synthetic Data in Automatic Number Plate Recognition 112
David Brunner and Fabian Schmid

An Untold Tale of Scientific Collaboration: SCCH and AC^{2}T 119
Somayeh Kargaran, Anna-Christina Glock, Bernhard Freudenthaler, Manuel Freudenberger, and Martin Jech

On the Creation and Maintenance of a Documentation Generator in an Applied Research Context 129
Bernhard Dorninger, Michael Moser, Josef Pichler, Michael Rappl, and Jakob Sautter

Towards the Digitalization of Additive Manufacturing 141
Carlos González-Val, Christian Eike Precker, and Santiago Muíños-Landín

Twenty Years of Successful Translational Research: A Case Study of Three COMET Centers 155
Katja Bühler, Cornelia Travniceck, Veronika Nowak, Edgar Weippl, Lukas Fischer, Rudolf Ramler, and Robert Wille

Data Integration, Management, and Quality: From Basic Research to Industrial Application 167
Lisa Ehrlinger, Christian Lettner, Werner Fragner, Günter Gsellmann, Susanne Nestelberger, Franz Rauchenzauner, Stefan Schützeneder, Martin Tiefengrabner, and Jürgen Zeindl

Building a YouTube Channel for Science Communication 179
Frank Elberzhager, Patrick Mennig, and Phil Stüpfert

Introduction of Visual Regression Testing in Collaboration Between Industry and Academia 189
Thomas Wetzlmaier, Claus Klammer, and Hermann Haslauer

Vibration Analysis for Rotatory Elements Wear Detection in Paper Mill Machine 199
Amaia Arregi, Iñaki Inza, and Iñigo Bediaga

Introducing Data Science Techniques into a Company Producing Electrical Appliances 210
Tim Kreuzer and Andrea Janes

A Technology Transfer Portal to Promote Industry-Academia Collaboration in South-Tyrol 221
Roberto Confalonieri and Andrea Janes

Fast and Automatic Object Registration for Human-Robot Collaboration in Industrial Manufacturing 232
Manuela Geiß, Martin Baresch, Georgios Chasparis, Edwin Schweiger, Nico Teringl, and Michael Zwick

Distributed Ledgers and Related Technologies

Sending Spies as Insurance Against Bitcoin Pool Mining Block Withholding Attacks 245
Isamu Okada, Hannelore De Silva, and Krzysztof Paruch

Risks in DeFi-Lending Protocols - An Exploratory Categorization and Analysis of Interest Rate Differences 258
Marco Huber and Vinzenz Treytl

Battling the Bullwhip Effect with Cryptography 270
Martin Hrušovský and Alfred Taudes

Reporting of Cross-Border Transactions for Tax Purposes via DLT 282
Ivan Lazarov, Quentin Botha, Nathalia Oliveira Costa, and Jakob Hackel

Securing File System Integrity and Version History Via Directory Merkle Trees and Blockchains 294
Andreas Lackner, Seyed Amid Moeinzadeh Mirhosseini, and Stefan Craß

Taxation of Blockchain Staking Rewards: Propositions Based on a Comparative Legal Analysis 305
Pascal René Marcel Kubin

Comparison Framework for Blockchain Interoperability Implementations 316
Alexander Neulinger

Cyber-security and Functional Safety in Cyber-physical Systems

Towards Strategies for Secure Data Transfer of IoT Devices with Limited Resources 331
Nasser S. Albalawi, Michael Riegler, and Jerzy W. Rozenblit

Application of Validation Obligations to Security Concerns 337
Sebastian Stock, Atif Mashkoor, and Alexander Egyed

Mode Switching for Secure Edge Devices 347
Michael Riegler, Johannes Sametinger, and Christoph Schönegger

Machine Learning and Knowledge Graphs

A Lifecycle Framework for Semantic Web Machine Learning Systems 359
Anna Breit, Laura Waltersdorfer, Fajar J. Ekaputra, Tomasz Miksa, and Marta Sabou

Enhancing TransE to Predict Process Behavior in Temporal Knowledge Graphs 369
Aleksei Karetnikov, Lisa Ehrlinger, and Verena Geist

An Explainable Multimodal Fusion Approach for Mass Casualty Incidents 375
Zoe Vasileiou, Georgios Meditskos, Stefanos Vrochidis, and Nick Bassiliades

Time Ordered Data

Log File Anomaly Detection Based on Process Mining Graphs 383
Sabrina Luftensteiner and Patrick Praher

A Scalable Microservice Infrastructure for Fleet Data Management 392
Rainer Meindl, Konstantin Papesh, David Baumgartner, and Emmanuel Helm

Learning Entropy: On Shannon vs. Machine-Learning-Based Information in Time Series 402
Ivo Bukovsky and Ondrej Budik

Using Property Graphs to Segment Time-Series Data 416
Aleksei Karetnikov, Tobias Rehberger, Christian Lettner, Johannes Himmelbauer, Ramin Nikzad-Langerodi, Günter Gsellmann, Susanne Nestelberger, and Stefan Schützeneder

A Synthetic Dataset for Anomaly Detection of Machine Behavior 424
Sabrina Luftensteiner and Patrick Praher

Author Index 433