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Titolo	New Trends in Database and Information Systems [[electronic resource]] : ADBIS 2023 Short Papers, Doctoral Consortium and Workshops: AIDMA, DOING, K-Gals, MADEISD, PeRS, Barcelona, Spain, September 4–7, 2023, Proceedings // edited by Alberto Abelló, Panos Vassiliadis, Oscar Romero, Robert Wrembel, Francesca Bugiotti, Johann Gamper, Genoveva Vargas Solar, Ester Zumpano
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Soggetti	Database management Application software Artificial intelligence Computer engineering Computer networks Data mining Data structures (Computer science) Information theory Database Management Computer and Information Systems Applications Artificial Intelligence Computer Engineering and Networks Data Mining and Knowledge Discovery Data Structures and Information Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	ADBIS Short Papers: Index Management & Data Reconstruction -- Estimating iSAX Parameters for Efficiency -- RILCE: Resource Indexing in Large Connected Environments -- ADBIS Short Papers: Query Processing -- A Cost-Effective Query Optimizer for Multi-Tenant

Parallel DBMSs -- Video Situation Monitoring for Improving Quality of Life -- Remembering the Forgotten: Clustering, Outlier Detection, and Accuracy Tuning in a Postdiction Pipeline -- ADBIS Short Papers: Advanced Querying Techniques -- Diversification of Top-k Geosocial Queries -- Multi-disciplinary research : Open Science Data Lake -- Be High on Emotion: Coping with emotions when querying data -- ADBIS Short Papers: Fairness in Data Management -- Exploring Biases for Privacy-Preserving Phonetic Matching -- Multi-Objective Fairness in Team Assembly -- ADBIS Short Papers: Data Science -- A Comparative Study of Assessment Metrics for Imbalanced Learning -- A Hybrid GNN approach for predicting node data for 3D meshes -- Transformers and Attention Mechanism for Web Classification and Porn Detection -- Analysing robustness of tiny deep neural networks -- ADBIS Short Papers: Temporal Graph Management -- Semantic Centrality for Temporal Graphs -- A knowledge graph for query-induced analyses of hierarchically structured time series information -- ADBIS Short Papers: Consistent Data Management -- Eventually-Consistent Replicated Relations and Updatable Views -- Mining totally ordered sequential rules to provide timely recommendations -- ADBIS Short Papers: Data Integration -- Streaming Approach to Schema Profiling -- Using ChatGPT for Entity Matching -- CONSchema: Schema matching with semantics and constraints -- ADBIS Short Papers: Data Quality -- Context-aware Data Quality Management Methodology -- Thesaurus-based Transformation: A Classification Method for Real Dirty Data -- ADBIS Short Papers: Metadata Management -- Mobile Feature-oriented Knowledge Base Generation Using Knowledge Graphs -- NoSQL Schema Extraction from Temporal Conceptual Model: A Case for Cassandra -- Contributions from ADBIS 2023 Workshops and Doctoral Consortium -- Databases and Information Systems: Contributions from ADBIS 2023 Workshops and Doctoral Consortium -- AIDMA: 1st Workshop on Advanced AI Techniques for Data Management, Analytics -- Data exploration based on local attribution explanation: a medical use case -- Explainability based on Feature Importance for Better Comprehension of Machine Learning in Healthcare -- An Empirical Study on the Robustness of Active Learning for Biomedical Image Classification under Model Transfer Scenarios -- Evaluating the Robustness of ML Models To Out-of-Distribution Data Through Similarity Analysis -- Holistic Analytics of Sensor Data From Renewable Energy Sources: A Vision Paper -- DOING: 4th Workshop on Intelligent Data - From Data to Knowledge -- Labelling Portuguese Man-of-War Posts Collected from Instagram -- Semantic Business Trajectories Modeling, Analysis -- A Text Mining Pipeline for Mining the Quantum Cascade Laser Properties -- Ensemble Learning based Quantum Text Classifiers -- Exploring the Capabilities, Limitations of VQC, QSVC for Sentiment Analysis on Real-World, Synthetic Datasets -- K-Gals: 2nd Workshop on Knowledge Graphs Analysis on a Large Scale -- P2KG: Declarative Construction, Quality Evaluation of Knowledge Graph from Polystores -- Using Knowledge Graphs to Model Green Investment Opportunities -- Knowledge Graphs Embeddings for Link Prediction in the Context of Sustainability -- An ArchiMate-Based Thematic Knowledge Graph for Low-Code Software Development Domain -- A Knowledge Graph to Analyze Clinical Patient Data -- MADEISD: 5th Workshop on Modern Approaches in Data Engineering, Information System Design -- Towards automatic conceptual database design based on heterogeneous source artifacts -- Lightweight Aspect-Oriented Software Product Lines with Automated Product Derivation -- Comparison of selected neural network models used for automatic liver tumor segmentation -- Intelligent index tuning using reinforcement

learning -- Automatic Indexing for MongoDB -- From High-Level Language to Abstract Machine Code: An Interactive Compiler, Emulation Tool for Teaching Structural Operational Semantics -- Decentralised Solutions for Preserving Privacy in Group Recommender Systems -- PeRS: 2nd Workshop on Personalization, Recommender Systems -- A Recommendation System for Personalized Daily Life Services to Promote Frailty Prevention -- Design-focused Development of a Course Recommender System for Digital Study Planning -- Systematic Literature Review on Click Through Rate Prediction -- Overcoming the Cold-Start Problem in Recommendation Systems with Ontologies, Knowledge Graphs -- Recommender Chatbot as a Tool for Collaborative Business Intelligence in Tourism Domain -- Neural Graph Collaborative Filtering: analysis of possibilities on diverse datasets -- Performance, reproducibility of BERT4Rec on Netflix Price Dataset -- Doctoral Consortium -- Towards reliable machine learning -- Tackling the RecSys Side Effects via Deep Learning Approaches -- Toward a researcher-in-the loop driver curation approach for quantitative and qualitative research methods -- Deep learning techniques for television broadcast recognition -- Process Mining solutions for public administration -- Intelligent Technologies for Urban Progress: Exploring the Role of AI and Advanced Telecommunications in Smart City Evolution -- Automatic Discovery of Zones of Interests with Maritime Trajectory Mining.

Sommario/riassunto

This book constitutes the refereed proceedings of the Doctoral Consortium and Workshops on New Trends in Database and Information Systems, ADBIS 2023, held in Barcelona, Spain, during September 4–7, 2023. The 29 full papers, 25 short papers and 7 doctoral consortium included in this book were carefully reviewed and selected from 148. They were organized in topical sections as follows: ADBIS Short Papers: Index Management & Data Reconstruction, ADBIS Short Papers: Query Processing, ADBIS Short Papers: Advanced Querying Techniques, ADBIS Short Papers: Fairness in Data Management, ADBIS Short Papers: Data Science, ADBIS Short Papers: Temporal Graph Management, ADBIS Short Papers: Consistent Data Management, ADBIS Short Papers: Data Integration, ADBIS Short Papers: Data Quality, ADBIS Short Papers: Metadata Management, Contributions from ADBIS 2023 Workshops and Doctoral Consortium, AIDMA: 1st Workshop on Advanced AI Techniques for Data Management, Analytics, DOING: 4th Workshop on Intelligent Data - From Data to Knowledge, K-Gals: 2nd Workshop on Knowledge Graphs Analysis on a Large Scale, MADEISD: 5th Workshop on Modern Approaches in Data Engineering, Information System Design, PeRS: 2nd Workshop on Personalization, Recommender Systems, Doctoral Consortium.
