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Autore	Boyes Stephen J.
Titolo	Reverberation chambers : theory and applications to EMC and antenna measurements / / Stephen J Boyes, Yi Huang
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Descrizione fisica	1 online resource (254 p.)
Disciplina	621.382/4
Soggetti	Antennas (Electronics) - Design and construction - Technique Electromagnetic measurements Radio frequency oscillators Electromagnetic compatibility
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Title Page; Copyright Page; Contents; About the Authors; Acknowledgements; Chapter 1 Introduction; 1.1 Background; 1.2 This Book; References; Chapter 2 Reverberation Chamber Cavity Theory; 2.1 Introduction; 2.2 Cavity Modes and Electromagnetic Fields; 2.3 Mode Stirring Techniques; 2.3.1 Mechanical Stirring; 2.3.2 Polarisation Stirring; 2.3.3 Platform and Position Stirring; 2.3.4 Frequency Stirring; 2.4 Plane Wave Angle of Arrival; 2.5 Average Mode Bandwidths; 2.6 Chamber Quality (Q) Factor; 2.7 Statistical Forms; 2.7.1 Statistical Methods of Analysis 2.7.2 Statistical Forms of Measured Magnitudes 2.7.3 Statistical Distribution of Complex Samples; 2.7.4 Statistical Distribution of Measured Power; 2.7.5 Statistical Distribution of Measured Phase; 2.7.6 Concluding Remarks and Recommendations; 2.8 Line of Sight Elements; 2.9 Reverberation Chamber as a Radio Propagation Channel; 2.9.1 Channel Parameters; 2.9.2 Coherence Bandwidth; 2.9.3 Doppler Shift Frequency; 2.9.4 Summary; References; Chapter 3 Mechanical Stirrer Designs and Chamber Performance Evaluation; 3.1 Introduction; 3.2

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Autore	Strauss Christine
Titolo	Database and Expert Systems Applications [[electronic resource]] : 34th International Conference, DEXA 2023, Penang, Malaysia, August 28–30, 2023, Proceedings, Part I / / edited by Christine Strauss, Toshiyuki Amagasa, Gabriele Kotsis, A Min Tjoa, Ismail Khalil
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ISBN	3-031-39847-5
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (561 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 14146
Altri autori (Persone)	AmagasaToshiyuki KotsisGabriele TjoaA. Min KhalilIsmail
Disciplina	005.74
Soggetti	Database management Artificial intelligence Application software Software engineering Information storage and retrieval systems Data mining Database Management Artificial Intelligence Computer and Information Systems Applications Software Engineering Information Storage and Retrieval Data Mining and Knowledge Discovery
Lingua di pubblicazione	Inglese
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Nota di contenuto	Keynote Paper -- Data integration revitalized: from Data Warehouse through Data Lake to Data Mesh -- Data Modeling -- Scalable Summarization for Knowledge Graphs with Controlled Utility Loss -- Commonsense-aware Attentive Modeling for Humor Recognition -- A study on Vulnerability Code Labeling Method in Open-Source C Programs -- Adding result diversification to kNN-based joins in a Map-

Reduce framework -- Effective and Efficient Heuristic Algorithms for Supporting Optimal Location of Hubs over Networks with Demand Uncertainty -- DMIS: Dual Model Index Structure for Enhanced Performance on Complexly Distributed Datasets -- Streaming Data Analytics for Feature Importance Measures in Concept Drift Detection and Adaptation -- An approach for efficient processing of machine operational data -- PrivSketch: A Private Sketch-based Frequency Estimation Protocol for Data Streams -- On tuning the sorted neighborhood method for record comparisons in a data deduplicaton pipeline -- Managing Semantic Evolutions in Semi-Structured Data -- Co-location pattern mining under the spatial structure constraint -- Database Design -- Enhancing Online Index Tuning with a Learned Tuning Diagnostic -- NoGar: A non-cooperative game for thread pinning in array databases -- LHKV: A Key-Value Data Collection Mechanism under Local Differential Privacy -- Investigating Lakehouse-Backbones for Vehicle Sensor Data -- Assessing the Effectiveness of Intrinsic Dimension Estimators for Uncovering the Phase Space Dimensionality of Dynamical Systems from State Observations - A Comparative Analysis -- Towards a Workload Mapping Model for Tuning Backing Services in Cloud Systems -- Compliance and Data Lifecycle Management in Databases and Backups -- A Real-time Parallel Information Processing Method for Signal Sorting -- Learning Optimal Tree-based Index Placement for Autonomous Database -- Social Links Enhanced Microblog Sentiment Analysis: Integrating Link Predic-tion and Sentiment Connection Weights -- Discovering Diverse Information Considering User Acceptability -- Confidential Truth Finding with Multi-Party Computation -- A Key-Value Based Approach to Scalable Graph Database -- Bitwise Algorithms to Compute the Transitive Closure of Graphs in Python -- Discovering Top-K Partial Periodic Patterns in Big Temporal Databases -- Query Optimization -- Dexteris: Data Exploration and Transformation with a Guided Query Builder Approach -- A Neighborhood Encoding for Subgraph Queries in Graph Databases -- MIRS: [MASK] Insertion based Retrieval Stabilizer for Query Variations -- Parallel Pattern Enumeration in Large Graphs -- S2CTrans: Building a Bridge from SPARQL to Cypher -- Rewriting Graph-DB Queries to Enforce Attribute-based Access Control -- A Polystore Querying System applied to heterogeneous and horizontally distrib-uted data -- Knowledge Representation. -Semantically Constitutive Entities in Knowledge Graphs -- KBQA: Accelerate Fuzzy Path Query on Knowledge Graph -- Tour Route Generation Considering Spot Congestion -- A Knowledge-based Approach to Business Process Analysis: from Informal to Formal -- Evaluating Prompt-based Question Answering for Object Prediction in the Open Research Knowledge Graph -- Variables are a Curse in Software Vulnerability Prediction -- Feature Selection for Aero-Engine Fault Detection -- Tracking Clusters of Links in Dynamic Social Networks -- Mind In Action: Cognitive Assessment using Action Recognition. -- Data integration revitalized: from Data Warehouse through Data Lake to Data Mesh -- Data Modeling -- Scalable Summarization for Knowledge Graphs with Controlled Utility Loss -- Commonsense-aware Attentive Modeling for Humor Recognition -- A study on Vulnerability Code Labeling Method in Open-Source C Programs -- Adding result diversification to kNN-based joins in a Map-Reduce framework -- Effective and Efficient Heuristic Algorithms for Supporting Optimal Location of Hubs over Networks with Demand Uncertainty -- DMIS: Dual Model Index Structure for Enhanced Performance on Complexly Distributed Datasets -- Streaming Data Analytics for Feature Importance Measures in Concept Drift Detection and Adaptation -- An

approach for efficient processing of machine operational data -- PrivSketch: A Private Sketch-based Frequency Estimation Protocol for Data Streams -- On tuning the sorted neighborhood method for record comparisons in a data deduplicaton pipeline -- Managing Semantic Evolutions in Semi-Structured Data -- Co-location pattern mining under the spatial structure constraint -- Database Design -- Enhancing Online Index Tuning with a Learned Tuning Diagnostic -- NoGar: A non-cooperative game for thread pinning in array databases -- LHKV: A Key-Value Data Collection Mechanism under Local Differential Privacy -- Investigating Lakehouse-Backbones for Vehicle Sensor Data -- Assessing the Effectiveness of Intrinsic Dimension Estimators for Uncovering the Phase Space Dimensionality of Dynamical Systems from State Observations - A Comparative Analysis -- Towards a Workload Mapping Model for Tuning Backing Services in Cloud Systems -- Compliance and Data Lifecycle Management in Databases and Backups -- A Real-time Parallel Information Processing Method for Signal Sorting -- Learning Optimal Tree-based Index Placement for Autonomous Database -- Social Links Enhanced Microblog Sentiment Analysis: Integrating Link Predic-tion and Sentiment Connection Weights -- Discovering Diverse Information Considering User Acceptability -- Confidential Truth Finding with Multi-Party Computation -- A Key-Value Based Approach to Scalable Graph Database -- Bitwise Algorithms to Compute the Transitive Closure of Graphs in Python -- Discovering Top-K Partial Periodic Patterns in Big Temporal Databases -- Query Optimization -- Dexteris: Data Exploration and Transformation with a Guided Query Builder Approach -- A Neighborhood Encoding for Subgraph Queries in Graph Databases -- MIRS: [MASK] Insertion based Retrieval Stabilizer for Query Variations -- Parallel Pattern Enumeration in Large Graphs -- S2CTrans: Building a Bridge from SPARQL to Cypher -- Rewriting Graph-DB Queries to Enforce Attribute-based Access Control -- A Polystore Querying System applied to heterogeneous and horizontally distrib-uted data -- Knowledge Representation. -Semantically Constitutive Entities in Knowledge Graphs -- KBQA: Accelerate Fuzzy Path Query on Knowledge Graph -- Tour Route Generation Considering Spot Congestion -- A Knowledge-based Approach to Business Process Analysis: from Informal to Formal -- Evaluating Prompt-based Question Answering for Object Prediction in the Open Research Knowledge Graph -- Variables are a Curse in Software Vulnerability Prediction -- Feature Selection for Aero-Engine Fault Detection -- Tracking Clusters of Links in Dynamic Social Networks -- Mind In Action: Cognitive Assessment using Action Recognition.

Sommario/riassunto

The two-volume set, LNCS 14146 and 14147 constitutes the thoroughly refereed proceedings of the 34th International Conference on Database and Expert Systems Applications, DEXA 2023, held in Penang, Malaysia, in August 2023. The 49 full papers presented together with 35 short papers were carefully reviewed and selected from a total of 155 submissions. The papers are organized in topical sections as follows: Part I: Data modeling; database design; query optimization; knowledge representation; Part II: Rule-based systems; natural language processing; deep learning; neural networks.