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	Soggetti	Artificial intelligence
		Computer networks
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		Information storage and retrieval systems
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	Nota di contenuto	Knowledge Integration and Analysis -- A New Data Transformation and Resampling Approach for Prediction of Yield Strength of High-Entropy Alloys -- A Semi-Formal Approach to Describing Semantics of Data Modeling Patterns -- Obfuscating LLVM IR with the Application of Lambda Calculus -- Structural and Compact Latent Representation Learning on Sparse Reward Environments -- A Survey of Explainable Artificial Intelligence Approaches for Sentiment Analysis -- Social collective model of non-internet social networks -- A Data-driven

Scheduling Strategy for Mobile Air Quality Monitoring Devices -- Hybrid approaches to sentiment analysis of social media data -- Integrating Ontology-based Knowledge to Improve Biomedical Multi-Document Summarization Model -- An Improvement of Diachronic Embedding for Temporal Knowledge Graph Completion -- DCA-based weighted bagging: A new ensemble learning approach -- Deep-learning- and GCN-based Aspect-level Sentiment Analysis Methods on Balanced and Unbalanced Datasets -- Applying the Malmquist productivity index model to assess the performance of the coffee enterprise in DakLak Vietnam -- A Cluster-Constrained Graph Convolutional Network for Protein– Protein Association networks -- Fuzzy logic framework for ontology concepts alignment -- Can Ensemble Calibrated Learning enhance Link Prediction? A Study on Commonsense Knowledge -- Multi-criteria Approaches to Explaining Black Box Machine Learning Models -- Improving Loss Function for Polyp Detection Problem -- Flow Plugin Network for Conditional Generation -- Speech and Text Processing -- Investigating the Impact of Parkinson's Disease on Brain Computations An Online Study of Healthy Controls and PD Patients -- Speech Enhancement using Dynamical Variational AutoEncoder -- Vietnamese Multidocument Summarization using Subgraph Selection-based Approach with Graph-informed Self-attention mechanism -- NegT5: A Cross-Task Text-to-Text Framework for Negation in Question Answering -- An Empirical Study on Punctuation Restoration for English, Mandarin, and Code-switching Speech -- Novel Topic Models for Parallel Topics Extraction from Multilingual Text -- Adapting Code-Switching Language Models with Statistical-Based Text Augmentation -- Improving Hotel Customer Sentiment Prediction by Fusing Review Titles and Contents -- Resource management and optimization -- In support of push-based streaming for the computing continuum -- Effective method of implementing constrained optimization problems using data instances -- Scheduling Deep Learning Training in GPU Cluster Using the Model-similarity-based Policy.

Sommario/riassunto	This two-volume set LNAI 13995 and LNAI 13996 constitutes the refereed proceedings of the 15th Asian Conference on Intelligent Information and Database Systems, ACIIDS 2023, held in Phuket, Thailand, during July 24–26, 2023. The 65 full papers presented in these proceedings were carefully reviewed and selected from 224 submissions. The papers of the 2 volume-set are organized in the following topical sections: Case-Based Reasoning and Machine Comprehension; Computer Vision; Data Mining and Machine Learning; Knowledge Integration and Analysis; Speech and Text Processing; and Resource Management and Optimization.