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Lingua di pubblicazione	Inglese
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Nota di contenuto	Intro -- Preface -- Organization -- Invited Talks -- Discriminative Dimensionality Reduction for Data Inspection and Classifier Visualization -- Multimodality in Data Clustering: Application to Video Summarization -- Machine Learning of Motor Skills for Robots: From Simple Skills to Table Tennis and Manipulation -- Machine Learning Based Bioinformatics as a Tool for Big-Bata Analytics on Molecular Biology Datasets -- Contents -- Medical Artificial Intelligence Modeling (MAIM) -- A Cumulative Training Approach to Schistosomiasis Vector

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## Sommario/riassunto

This book constitutes the refereed proceedings of the 12th IFIP WG 12.5 International Conference on Artificial Intelligence Applications and Innovations, AIAI 2016, and three parallel workshops, held in Thessaloniki, Greece, in September 2016. The workshops are the Third Workshop on New Methods and Tools for Big Data, MT4BD 2016, the 5th Mining Humanistic Data Workshop, MHDW 2016, and the First Workshop on 5G - Putting Intelligence to the Network Edge, 5G-PINE 2016. The 30 revised full papers and 8 short papers presented at the main conference were carefully reviewed and selected from 65 submissions. The 17 revised full papers and 7 short papers presented at the 3 parallel workshops were selected from 33 submissions. The papers cover a broad range of topics such as artificial neural networks, classification, clustering, control systems - robotics, data mining, engineering application of AI, environmental applications of AI, feature reduction, filtering, financial-economics modeling, fuzzy logic, genetic algorithms, hybrid systems, image and video processing, medical AI applications, multi-agent systems, ontology, optimization, pattern recognition, support vector machines, text mining, and Web-social media data AI modeling. .

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