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Nota di contenuto	-- Community Event Discovery Using 'X' Data Stream -- Advanced Risk Management Practices The Application of the Exact Solutions Methods for Resilience Factors Improvement -- Efficient Sequential Detection: Enhancing Cancer Detection In Sequential MRI Sequences -- On Semantic Association Capabilities of GPT LLMs in a Game of Word Associations -- The Possibility of Bone Fracture Prediction in Osteoporosis Treatment Through Use of AI, etc.
Sommario/riassunto	The book covers the state-of-the-art research knowledge and results on the innovative theories, methodology and applications of artificial intelligence and its sub-domain like deep learning in different areas such as medicine, economy, education, law, smart city, government, industry etc. Moreover, the book aims to provide a platform for researchers and practitioners for both academia and industry to share the information about cutting-edge developments in the field of artificial intelligence. The chapters in this book integrated approach toward global exchange of information on technological advances, scientific innovations and the effectiveness of various regulatory

programs toward AI application in medicine, biology, chemistry, financial, games, law and engineering. Real examples from academia and industry give beyond state of the art for application of AI in different areas. These chapters are extended papers from the Third Serbian International Conference on Applied Artificial Intelligence (SICAAI), which was held in Kragujevac, Serbia, on May 23–24, 2024.

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