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Nota di contenuto	Intro -- Preface -- Organization -- Contents - Part I -- Contents - Part II -- Collective Intelligence and Collective Decision-Making -- Formalization of Agent-Based Model of Group Learning -- 1 Introduction -- 2 Environment -- 2.1 Students and Teachers -- 2.2 Phases of Learning -- 3 Model -- 3.1 Agents -- 3.2 Groups -- 3.3 Agent's Knowledge -- 3.4 Agent Characteristics -- 4 Example -- 5 Conclusion -- References -- Music Genre Classification Using Hybrid Committees and Voting Mechanisms -- 1 Introduction -- 1.1 Related Work -- 1.2 Contribution -- 2 Outline of the System -- 2.1 Used Dataset -- 2.2 Used Classifiers -- 3 Voting Systems -- 4 Experimental Results -- 4.1 Classifiers -- 4.2 Classifiers Committee -- 5 Conclusions and Future Work -- References -- Towards Practical Large

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Sommario/riassunto

This two-volume set CCIS 2165-2166 constitutes the refereed proceedings of the 16th International Conference on Computational Collective Intelligence, ICCCI 2024, held in Leipzig, Germany, during September 9–11, 2024. The 67 full papers included in this book were carefully reviewed and selected from 234 submissions. The main track, covering the methodology and applications of CCI, included: collective decision-making, data fusion, deep learning techniques, natural language processing, data mining and machine learning, social networks and intelligent systems, optimization, computer vision, knowledge engineering and application, as well as Internet of Things: technologies and applications. The special sessions, covering some specific topics of particular interest, included: cooperative strategies for decision making and optimization, security and reliability of information, networks and social media, anomalies detection, machine learning, deep learning, digital image processing, artificial intelligence, speech communication, IOT applications, natural language processing, innovative applications in data science.
