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Soggetti	Multiagent systems Robotics Machine learning User interfaces (Computer systems) Human-computer interaction Computers, Special purpose Multiagent Systems Machine Learning User Interfaces and Human Computer Interaction Special Purpose and Application-Based Systems
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Nota di contenuto	Explanation and Transparency -- Towards a transparent deep ensemble method based on multiagent Argumentation -- Effects of Agents' Transparency on Teamwork -- Explainable Robots -- Explainable Multi-Agent Systems through Blockchain Technology Authors -- Explaining Sympathetic Actions of Rational Agents -- Conversational Interfaces for Explainable AI: A Human-Centered Approach -- Opening the Black Box -- Explanations of Black-Box Model Predictions by Contextual Importance and Utility -- Explainable Artificial Intelligence based Heat Recycler Fault Detection in Air Handling Unit -- Explainable Agent Simulations -- Explaining

Aggregate Behaviour in Cognitive Agent Simulations using Explanation
-- BEN : An Agent Architecture for Explainable and Expressive Behavior
in Social Simulation -- Planning and Argumentation -- Temporal
Multiagent Plan Execution: Explaining what Happened -- Explainable
Argumentation for Wellness Consultation -- Explainable AI and
Cognitive Science -- How Cognitive Science Impacts AI and What We
Can Learn From It.

Sommario/riassunto

This book constitutes the proceedings of the First International Workshop on Explainable, Transparent Autonomous Agents and Multi-Agent Systems, EXTRAAMAS 2019, held in Montreal, Canada, in May 2019. The 12 revised and extended papers presented were carefully selected from 23 submissions. They are organized in topical sections on explanation and transparency; explainable robots; opening the black box; explainable agent simulations; planning and argumentation; explainable AI and cognitive science.
