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Titolo	Collective Agency and Cooperation in Natural and Artificial Systems : Explanation, Implementation and Simulation / / edited by Catrin Misselhorn
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Part I: Concepts of Agency -- Collective Agency and Cooperation in Natural and Artificial Systems.-Cooperation with Robots? A Two-dimensional Approach -- The Participatory Turn – A Multidimensional Gradual Agency Concept for Human and Non-human Actors -- Part II: Human-machine Cooperation -- Embodied Cooperative Systems: From Tool to Partnership -- Historical, Cultural, and Aesthetic Aspects of the Uncanny Valley -- Ethical Implications Regarding Assistive Technology at Workplaces -- Some Sceptical Remarks Regarding Robot Responsibility and a Way Forward -- Part III: Collective Agency -- Planning for Collective Agency -- An Account of Boeschian Cooperative Behavior -- Choosing Appropriate Paradigmatic Examples for Understanding Collective Agency -- Can Artificial Systems be Part of a Collective Action? -- Is Collective Agency a Coherent Idea? Considerations from the Enactive Theory of Agency -- Part IV: Simulating Collective Agency and Cooperation -- Simulation as Research Method: Modeling Social Interactions in Management Science

	-- How Models Fail? A Critical Look at the History of Computer Simulations of Evolution in Cooperation -- Artificial Intelligence and Pro-social Behavior.
Sommario/riassunto	This book brings together philosophical approaches to cooperation and collective agency with research into human-machine interaction and cooperation from engineering, robotics, computer science and AI. Bringing these so far largely unrelated fields of study together leads to a better understanding of collective agency in natural and artificial systems and will help to improve the design and performance of hybrid systems involving human and artificial agents. Modeling collective agency with the help of computer simulations promises also philosophical insights into the emergence of collective agency. The volume consists of four sections. The first section is dedicated to the concept of agency. The second section of the book turns to human-machine cooperation. The focus of the third section is the transition from cooperation to collective agency. The last section concerns the explanatory value of social simulations of collective agency in the broader framework of cultural evolution.