Record Nr. UNINA9910786697803321 Intelligence unbound: the future of uploaded and machine minds // **Titolo** edited by Russell Blackford and Damien Broderick Pubbl/distr/stampa West Sussex, England:,: Wiley Blackwell,, 2014 ©2014 **ISBN** 1-118-73645-1 1-118-73630-3 1-118-73679-6 Edizione [1st ed.] Descrizione fisica 1 online resource (345 p.) Disciplina 006.301/12 Artificial intelligence - Forecasting Soggetti Thought and thinking Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Cover: Title Page: Copyright: Contents: Notes on Contributors: Introduction I: Machines of Loving Grace (Let's Hope); 1 Machine minds or humans copied into machines?; 2 Emulating the mind; 3 Is my copy me?; 4 Who woke up?; Notes; References; Introduction II: Bring on the Machines; 1 A strange new epoch?; 2 Machines that think?; 3 Into the machine...?; 4 Personal identity and survival; 5 Contemplating the unimaginable; 6 The future is coming; Notes; References; Chapter 1 How Conscience Apps and Caring Computers will Illuminate and Strengthen Human Morality; 1 Introduction; 2 Self-control 3 Caring4 Fairness and moral cognition; 5 Mindfulness; 6 Intelligence; 7 Conclusions; References; Chapter 2 Threshold Leaps in Advanced Artificial Intelligence: 1 Explosive improvement: 2 Scenarios of Al emergence; 3 Physical growth; 4 Conclusion; Acknowledgments; References; Chapter 3 Who Knows Anything about Anything about AI?; 1 Introduction; 2 Taxonomy of predictions; 3 (Un)reliable experts; 4 AI timeline predictions; 5 Case studies; Acknowledgments; Notes; References; Chapter 4 Nine Ways to Bias Open-Source Artificial General Intelligence Toward Friendliness: 1 Introduction

Modes of AGI development2 Is open or closed AGI development safer?:

3 The (unlikely) prospect of government controls on AGI development; 4 Nine ways to bias AGI toward Friendliness; 1 Engineer the capability to acquire integrated ethical knowledge; 2 Provide rich ethical interaction and instruction, respecting develop mental stages; 3 Create stable, hierarchy-dominated goal systems; 4 Ensure that the early stages of recursive self-improvement occur relatively slowly and with rich human involvement; 5 Tightly link AGI with the Global Brain 6 Foster deep, consensus-building interactions and commensurability between divergent viewpoints7 Create a mutually supportive community of AGIs; 8 Encourage measured co-advancement of AGI software and AGI ethics theory; 5 Conclusion; Notes; References; Chapter 5 Feasible Mind Uploading: 1 Neural interfaces and neural prostheses; 2 Iterative improvements in four main areas to achieve whole brain emulation; 3 Is a computer too deterministic to house a mind?: 4 A platform for iteration between model and measurement: 5 Conclusions - uploaded and machine minds; References Chapter 6 Uploading: A Philosophical Analysis1 Uploading and consciousness; 2 Uploading and personal identity; 3 The argument from nondestructive uploading; 4 The argument from gradual uploading; 5 Where things stand; 6 Uploading after brain preservation; 7 Reconstructive uploading: 8 Upshot: Acknowledgments: Notes: References; Chapter 7 Mind Uploading: A Philosophical Counter-Analysis; 1 Introduction; 2 What I am going to attempt here; 3 What Chalmers says, redux; 4 Consciousness, computation, and mind uploading; 5 Mind uploading, personal identity, and Kirk's death by transporter 6 Conclusion

## Sommario/riassunto

Intelligence Unbound explores the prospects, promises, and potential dangers of machine intelligence and uploaded minds in a collection of state-of-the-art essays from internationally recognized philosophers, AI researchers, science fiction authors, and theorists. Compelling and intellectually sophisticated exploration of the latest thinking on Artificial Intelligence and machine mindsFeatures contributions from an international cast of philosophers, Artificial Intelligence researchers, science fiction authors, and moreOffers current, diverse perspectives