

1. Record Nr.	UNINA9910808881603321
Titolo	Intelligence unbound : the future of uploaded and machine minds // 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
Soggetti	Artificial intelligence - Forecasting Thought and thinking
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
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 AI 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 developmental 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 viewpoints  
7 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 Analysis  
1 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 minds  
Features contributions from an international cast of philosophers, Artificial Intelligence researchers, science fiction authors, and more  
Offers current, diverse perspectives

---