

1. Record Nr.	UNISA996464538803316
Autore	Barachini Franz
Titolo	From digital twins to digital selves and beyond : engineering and social models for a trans-humanist world // Franz Barachini, Christian Stary
Pubbl/distr/stampa	Cham, : Springer International Publishing AG, 2022
ISBN	3-030-96412-4
Descrizione fisica	1 online resource (xviii, 127 pages) : illustrations (some color)
Altri autori (Persone)	StaryChristian
Soggetti	Artificial intelligence - Social aspects Cooperating objects (Computer systems) - Social aspects Transhumanism
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	1. Major Historical Landmarks in Computer Science Part I: Digital Twins: Advent and Trans-human Development 2. Background and Foundations 3. Beyond Data: Unifying Behavior Modeling Part II: Social Behavior of Artificial Agents 4. Background and Motivation 5. Simulation Methods and Game Theory 6. Social Dilemmas and Problems of Social Order 7. Emotional Modeling with Spatial Games 8. Agent-Based Stochastic Simulation of Emotions Part III: A Symbiosis 9. System-of-Systems Thinking 10. Provision of Information as Relational Task 11. Enabling Contextual Adaptation 12. Embodying Social Behavior 13. How to Create Digital Selves
Sommario/riassunto	This open access book aims at deepening the understanding of the relation between cyber-physical systems (CPSs) as socio-technical systems and their digital representations with intertwined artificial intelligence (AI). The authors describe why it is crucial for digital selves to be able to develop emotional behavior and why a humanity-inspired AI is necessary so that humans and humanoids can coexist.