

1. Record Nr.	UNINA9910366657903321
Autore	Alemi Mario
Titolo	The Amazing Journey of Reason [[electronic resource]] : from DNA to Artificial Intelligence // by Mario Alemi
Pubbl/distr/stampa	Cham, : Springer Nature, 2020 Cham, : Springer International Publishing, : Imprint : Springer, , 2020
ISBN	3-030-25962-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (113)
Collana	SpringerBriefs in Computer Science, , 2191-5768
Disciplina	004.0151
Soggetti	Computer science—Mathematics Input-output equipment (Computers) Computer communication systems Operating systems (Computers) Algorithms Mathematical logic Math Applications in Computer Science Input/Output and Data Communications Computer Communication Networks Operating Systems Algorithm Analysis and Problem Complexity Mathematical Logic and Formal Languages
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This Open Access book explores questions such as why and how did the first biological cells appear? And then complex organisms, brains, societies and –now– connected human societies? Physicists have good models for describing the evolution of the universe since the Big Bang, but can we apply the same concepts to the evolution of aggregated matter –living matter included? The Amazing Journey analyzes the latest results in chemistry, biology, neuroscience, anthropology and sociology under the light of the evolution of intelligence, seen as the

ability of processing information. The main strength of this book is using just two concepts used in physics –information and energy– to explain: The emergence and evolution of life: procaryotes, eukaryotes and complex organisms The emergence and evolution of the brain The emergence and evolution of societies (human and not) Possible evolution of our "internet society" and the role that Artificial Intelligence is playing.
