

1. Record Nr.	UNINA9910897987103321
Autore	Gelepithis Petros A. M
Titolo	Unification of Artificial Intelligence and Psychology : Volume One - Foundations // by Petros A. M. Gelepithis
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Palgrave Macmillan, , 2024
ISBN	9783031683190 3031683196
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (310 pages)
Disciplina	302.231019
Soggetti	Psychology Mass media Artificial intelligence Cognitive psychology Philosophy of mind Cyberpsychology Artificial Intelligence Media Psychology Cognitive Psychology Philosophy of Mind Theoretical Psychology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Introduction: The Approach -- 2. Nature of noémon systems: Human and Robot forms -- 3. Thinking and Meaning: Biological and artiNcial -- 4. The nature of communication: Understanding and systems of Primitives.
Sommario/riassunto	Petros A. M. Gelepithis is an independent scientist/scholar, affiliated with the Brain & Mind Sciences Programme, School of Medicine, University of Crete, Greece. He has been the Grant holder for and Director of the first MSc course in AI in the UK and Principal Lecturer (tenured) at Kingston University London. He was also Visiting Professor at the Universities of Athens, Cyprus and Shizuoka (Japan) and

Academic Visitor at the Faculty of Philosophy, University of Oxford, UK. This book —the first of a two-volume monograph— seeks to unify the hitherto perceived-as-disparate foundations of psychology and artificial intelligence. It does this by replacing their constitutive notions with a novel common one: noémon system. The ensued Theory of Noémon Systems is developed in terms of an interdisciplinary, language- based, axiomatic approach. The first volume details the development of the foundations of the theory and expounds ramifications for cognitive science and AI including novel solutions to the AGI debate and Darwin's mental gap issue, while offering the first complete definition of AI. The book concurrently explores the similarities and differences between humans and AI/robot systems with respect to the evolution-dependent phenomena of representation, thinking, understanding and communication. The book is an extensive one; because of its extensiveness and broad ramifications, this book will appeal to scientists working on the interfaces of psychology, AI, philosophy of mind, neuroscience, and the humanities. The complicated and extensive unification of the fields of Artificial Intelligence and psychology is continued in the second volume that breaks further new ground for both disciplines, with thought-provoking and compelling implications for both. .
