

1. Record Nr.	UNINA9910784735403321
Autore	French Robert M (Robert Matthew), <1951->
Titolo	Implicit learning and consciousness [[electronic resource] ] : an empirical, philosophical, and computational consensus in the making / Robert M. French and Axel Cleeremans
Pubbl/distr/stampa	New York, : Psychology Press, 2002
ISBN	1-135-43150-7 1-280-11217-4 9786610112173 0-203-98940-6
Descrizione fisica	1 online resource (195 p.)
Collana	Frontiers of cognitive science
Altri autori (Persone)	CleeremansAxel
Disciplina	153.15
Soggetti	Implicit learning Consciousness
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; IMPLICIT LEARNING AND CONSCIOUSNESS; Title Page; Copyright Page; Table of Contents; List of contributors; List of figures and tables; Foreword; Introduction; 1 Implicit learning and consciousness: A graded, dynamic perspective; Introduction; Adaptation, adaptive changes, and learning; Consciousness; The function of consciousness: Commander Data meets the Zombies; The framework; Implications; Discussion: What we leave behind; Acknowledgements; References; 2 The Self-organising Consciousness: A framework for implicit learning; Attention is a condition for learning From attentional resources to phenomenal consciousnessThe self-organisation of perceptual experience in word discovery; Generalisation; Rethinking implicit learning; Abstracting away from the sensory content; Consciousness: From ""necessity"" to ""sufficiency""; Acknowledgements; References; Appendix: PARSE; 3 A theory of the implicit nature of implicit learning; What is a representation?; Implicit versus explicit representation; Implicit and explicit knowledge; Consciousness; Procedural versus declarative; Voluntary control; Implicit/explicit and meta-cognition; Implicit learning; Summary

References4 Modularity and artificial grammar learning; Forms of knowledge; Evidence for the episodic-processing account; Problems with finite-state grammars; The biconditional grammar; Artificial grammar learning in amnesia; Conclusions; Acknowledgements; References; 5 Knowledge representation and transfer in artificial grammar learning (AGL); Introduction; What is transfer?; Why is transfer important?; What does transfer really show?; Knowledge representation in AGL; Surface-independent and surface-based representations; Empirical evidence Evidence for the acquisition of surface-independent knowledgeDiscussion; Acknowledgements; References; 6 Artificial grammar learning in amnesia; The amnesic syndrome; Implicit learning in amnesic patients: A review; Conclusion; References; Author index; Subject index

---

## Sommario/riassunto

Can you learn without knowing it? This controversial and much debated question forms the basis of this collection of essays as the authors discuss whether the measurable changes in behaviour that result from learning can ever remain entirely unconscious. Three issues central to the topic of implicit learning are raised. Firstly, the extent to which learning can be unconscious, and therefore implicit, is considered. Secondly, theories are developed regarding the nature of knowledge acquired in implicit learning situations. Finally, the idea that there are two separable independent processing sy

---