

1. Record Nr.	UNINA9910765716903321
Titolo	The Power of the In-Between
Pubbl/distr/stampa	Stockholm, : Stockholm University Press, 2018
ISBN	91-7635-067-3
Descrizione fisica	1 online resource (442)
Collana	Stockholm Studies in Culture and Aesthetics ; ; Volume 5
Disciplina	700
Soggetti	The arts The arts: general issues Interdisciplinary studies Humanities Media studies
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Sommario/riassunto	<p>"The Power of the In-Between: Intermediality as a Tool for Aesthetic Analysis and Critical Reflection gathers fourteen individual case studies where intermedial issues—issues concerning that which takes place in between media—are explored in relation to a range of different cultural objects and contexts, different methodological approaches, and different disciplinary perspectives. The cases investigate the intermediality of such manifold objects and phenomena as contemporary installation art, twentieth-century geography books, renaissance sculpture, media theory, and public architecture of the 1970s. They also bring together scholars from the disciplines of art history, comparative literature, theatre studies, musicology, and the history of ideas.</p> <p>Starting out from an inclusive understanding of intermediality as “relations between media conventionally perceived as different,” each author specifies and investigates “intermediality” in their own particular case; that is, each examines how it is inflected by particular objects, methods, and research questions. “Intermediality” thus serves both as a concept employed to cover an inclusive range of cultural objects, cultural contexts, methodological approaches, and so on, and as a</p>

concept to be modelled out by the particular cases it is brought to bear on. Rather than merely applying a predefined concept, the objectives are experimental. The authors explore the concept of intermediality as a malleable tool of research.

This volume further makes a point of transgressing the divide between media history and semiotically and/or aesthetically oriented intermedial studies. The former concerns the specificity of media technologies and media interrelations in socially, politically, and epistemologically defined space and time, and the latter targets formal considerations of media objects and its various meaning-making elements. These two conventionally separated fields of research are integrated in order to produce a richer understanding of the analytical and historical, as well as the aesthetic and technological, conditions and possibilities of intermedial phenomena.

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2. Record Nr.	UNINA9910483789103321
Autore	Yalçın Mütak E
Titolo	Reconfigurable Cellular Neural Networks and Their Applications // by Mütak E. Yalçın, Tuba Ayhan, Ramazan Yeniçeri
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-17840-4
Edizione	[1st ed. 2020.]
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Collana	SpringerBriefs in Nonlinear Circuits, , 2520-1441
Disciplina	006.32
Soggetti	Computational intelligence Artificial intelligence Electronic circuits Computational Intelligence Artificial Intelligence Electronic Circuits and Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di contenuto

Introduction -- Artificial Neural Network Models -- Artificial Olfaction System -- Implementations of CNNs -- Index.

Sommario/riassunto

This book explores how neural networks can be designed to analyze sensory data in a way that mimics natural systems. It introduces readers to the cellular neural network (CNN) and formulates it to match the behavior of the Wilson–Cowan model. In turn, two properties that are vital in nature are added to the CNN to help it more accurately deliver mimetic behavior: randomness of connection, and the presence of different dynamics (excitatory and inhibitory) within the same network. It uses an ID matrix to determine the location of excitatory and inhibitory neurons, and to reconfigure the network to optimize its topology. The book demonstrates that reconfiguring a single-layer CNN is an easier and more flexible solution than the procedure required in a multilayer CNN, in which excitatory and inhibitory neurons are separate, and that the key CNN criteria of a spatially invariant template and local coupling are fulfilled. In closing, the application of the authors' neuron population model as a feature extractor is exemplified using odor and electroencephalogram classification.
