

1. Record Nr.	UNINA9910298427903321
Titolo	Advances in Cognitive Neurodynamics (VI) : Proceedings of the Sixth International Conference on Cognitive Neurodynamics – 2017 // edited by José M. Delgado-García, Xiaochuan Pan, Raudel Sánchez-Campusano, Rubin Wang
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2018
ISBN	981-10-8854-3
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (xviii, 407 pages) : illustrations
Collana	Advances in Cognitive Neurodynamics, , 2213-3569
Disciplina	612.8233
Soggetti	Neurosciences Biomedical engineering Cognitive psychology Statistical physics Biomedical Engineering/Biotechnology Cognitive Psychology Applications of Nonlinear Dynamics and Chaos Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Neural Dynamics in Motor and Sensory Systems and in Cognitive Functions -- Cognitive Network and Multi-Scale Neural Network Dynamics -- Neuroengineering, Neuroinformation and Brain Computer Interaction -- Modelling Higher-Order Functions and Dysfunctions -- Oscillation, Synchronization, Neural Plasticity, and Coordination Dynamics from Neural to Social Systems.
Sommario/riassunto	This proceedings contains articles submitted to the sixth International Conference on Cognitive Neurodynamics (ICCN2017). The Meeting included plenary lectures, specialized symposia, and posters presentations. The main topics of the meeting addressed the general substrates underlying neural functions and the neural dynamics in sensory, motor, and cognitive systems. Other important neuroscience fields covered in the meeting were learning and memory processes and the functionally-related changes in synaptic strength, neural oscillations, synchronizations and coherence activities between

different neural circuits, and the imaging of cognitive networks. Finally, specific articles covered several fields related to neural computation and neuroengineering, the modelling higher-order functions and dysfunctions and the experimental design of brain-to-computer and brain-to-brain interactions. All articles were peer-reviewed. The ICCN is a series conference that takes place every two years since 2007.
