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Nota di contenuto	Plenary Talk -- Neural Dynamics in Motor and Sensory Systems -- Interactive Dynamics in Cognitive Functions -- Neural Dynamics in Hippocampus -- Imaging Cognitive Networks -- Advanced Brain Computer Interaction -- Neuroinformation Computation and Neuroengineering -- Modelling Higher-order Functions and Dysfunctions -- Multi-Scale Neural Network Dynamics -- Oscillation, Synchronization and Synaptic Plasticity.
Sommario/riassunto	This proceedings contains articles submitted to the fifth International Conference on Cognitive Neurodynamics (ICCN2015). In ICCN2015, twelve invited plenary lectures were presented by the leading scientists in their respective research fields. More than 15 mini-symposiums are organized by specialists with topics covering: motor control and learning, dynamic coding in distributed neural circuits, dynamics of firing patterns and synchronization in neuronal systems, information and signal processing techniques in neurotechnology, neural oscillations and synaptic plasticity in the hippocampus, new perspective

on model-based vs. model-free brain process, neural mechanisms of internal switching, neuroinformation computation, neural model and dynamics, imaging human cognitive networks, neuroinformatics, neuroergonomics & neuroengineering, dynamic brain for communication, visual information processing and functional imaging and neural mechanisms of language processing. All articles are peer-reviewed. The ICCN is a series conference held every two years since 2007. .