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Titolo	The dynamic brain : an exploration of neuronal variability and its functional significance // edited by Mingzhou Ding, Dennis L. Glanzman
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Altri autori (Persone)	DingMingzhou GlanzmanDennis
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	A mixed-filter algorithm for dynamically tracking learning from multiple behavioral and neurophysiological measures / Todd P. Coleman ... [et al.] -- Stochastic transitions between states of neural activity / Paul Miller and Donald B. Katz -- Neural coding : variability and information / Richard B. Stein and Dirk G. Everaert -- Interactions between intrinsic and stimulus-evoked activity in recurrent neural networks / Larry F. Abbott, Kanaka Rajan, and Haim Sompolinsky -- Inherent biases in spontaneous cortical dynamics / Chou P. Hung, Benjamin M. Ramsden, and Anna Wang Roe -- Phase resetting in the presence of noise and heterogeneity / Srisairam Achuthan ... [et al.] -- Understanding animal-to-animal variability in neuronal and network properties / Astrid A. Prinz, Tomasz G. Smolinski, and Amber E. Hudson -- Dynamical parameter and state estimation in neuron models / Henry D.I. Abarbanel ... [et al.] -- Capturing "trial-to-trial" variations in human brain activity : from laboratory to real world / Akaysha C. Tang, Matthew T. Sutherland, and Zhen Yang -- Linking neuronal variability to perceptual decision

making via neuroimaging / Paul Sajda ... [et al.] -- Spatiotemporal dynamics of synchronous activity across multiple areas of the visual cortex in the alert monkey / Charles M. Gray and Baldwin Goodell -- Behavioral and neural variability related to stochastic choices during a mixed-strategy game / Daeyeol Lee and Hyojung Seo -- Circuit mechanisms underlying behavioral variability during recovery of consciousness following severe brain injury / Nicholas D. Schiff -- Intermittent vorticity, power spectral scaling, and dynamical measures on resting brain magnetic field fluctuations : a pilot study / Arnold J. Mandell ... [et al.] -- Population variability and Bayesian inference / Terran Lane.

Sommario/riassunto

It is a well-known fact of neurophysiology that neuronal responses to identically presented stimuli are extremely variable. This book examines neuronal variability from theoretical, experimental and clinical perspectives.
