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Nota di contenuto	Neural networks and psychopathology : an introduction / Dan J. Stein, Jacques Ludik -- History of neural network research in psychopathology / Manfred Spitzer -- Neural network models in psychiatric diagnosis and symptom recognition / Eric Y.H. Chen, German E. Berrios -- Neural networks and psychopharmacology / S.B. G. Park -- Connectionist view of of psychotherapy / Franz Caspar -- Modulatory mechanisms in mental disorders / David Hestenes -- Nature of delusions : a hierarchical neural network approach / Eric Y.H. Chen, German E. Berrios -- "Produced by either God or Satan" : neural network approaches to delusional thinking / Sophia Vinogradov, John

H. Poole, Jason Willis-Shore -- Neural network modelling of cognitive disinhibition and neurotransmitter dysfunction in obsessive-compulsive disorder / Jacques Ludik, Dan J. Stein -- Fables of Lucy R. : association and dissociation in neural networks / Dan Lloyd -- Neural network analysis of learning in autism / Ira L. Cohen -- Are there common neural mechanisms for learning, epilepsy, and Alzheimer's disease? / Gene V. Wallenstein, Michael E. Hasselmo -- Patient in the machine : challenges for neurocomputing / David V. Forrest.

Sommario/riassunto

Research on connectionist models is one of the most exciting areas in cognitive science, and neural network models of psychopathology have immediate theoretical and empirical appeal. The contributors to this study review theoretical, historical and clinical issues, including the contribution of neural network models to diagnosis, pharmacotherapy and psychotherapy. Models are presented for a range of disorders, including schizophrenia, obsessive-compulsive disorder, dissociative phenomena, autism and Alzheimer's disease. This book will appeal to a broad audience. On the one hand, it will be read with interest by psychiatrists, psychologists and other clinicians and researchers in psychopathology. On the other, it will appeal to those working in cognitive science and artificial intelligence, and particularly those interested in neural network or connectionist models.
