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Titolo	Advances in Neural Computation, Machine Learning, and Cognitive Research III : Selected Papers from the XXI International Conference on Neuroinformatics, October 7-11, 2019, Dolgoprudny, Moscow Region, Russia // edited by Boris Kryzhanovsky, Witali Dunin-Barkowski, Vladimir Redko, Yury Tiumentsev
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Descrizione fisica	1 online resource (XVII, 428 p. 210 illus., 120 illus. in color.)
Collana	Studies in Computational Intelligence, , 1860-9503 ; ; 856
Disciplina	006.32
Soggetti	Computational intelligence Computer vision Control engineering Robotics Automation Artificial intelligence Bioinformatics Computational Intelligence Computer Vision Control, Robotics, Automation Artificial Intelligence Computational and Systems Biology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- Part I: Invited Papers -- Chapter 1. Deep Learning a Single Photo Voxel Model Prediction from Real and Synthetic Images -- Chapter 2. Tensor Train Neural Networks in Retail Operations -- Chapter 3. Semi-Empirical Neural Network Based Modeling and Identification of Controlled Dynamical Systems, etc.
Sommario/riassunto	This book describes new theories and applications of artificial neural networks, with a special focus on answering questions in neuroscience,

biology and biophysics and cognitive research. It covers a wide range of methods and technologies, including deep neural networks, large scale neural models, brain computer interface, signal processing methods, as well as models of perception, studies on emotion recognition, self-organization and many more. The book includes both selected and invited papers presented at the XXI International Conference on Neuroinformatics, held on October 7-11, 2019, in Dolgoprudny, a town in Moscow region, Russia.
