



High Dimensional Neurocomputing [Growth, Appraisal and Applications /

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Springer India,

2015

Engineering

Optical pattern recognition

Biometrics

Computational

Intelligence

Pattern Recognition

Mathematical Models of Cognitive Processes

and Neural Networks

Monografía

The book presents a coherent understanding of computational intelligence from the perspective of what is known as "intelligent computing" with high-dimensional parameters. It critically discusses the central issue of high-dimensional neurocomputing, such as quantitative representation of signals, extending the dimensionality of neuron, supervised and unsupervised learning and design of higher order neurons. The strong point of the book is its clarity and ability of the underlying theory to unify our understanding of high-dimensional computing where conventional methods fail. The plenty of application oriented problems are presented for evaluating, monitoring and maintaining the stability of adaptive learning machine. Author has taken care to cover the breadth and depth of the subject, both in the qualitative as well as quantitative way. The book is intended to enlighten the scientific community, ranging from advanced undergraduates to engineers, scientists and seasoned researchers in computational intelligence

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Título: High Dimensional Neurocomputing [Recurso electrónico] Growth, Appraisal and Applications by Bipin Kumar Tripathi

Editorial: New Delhi Springer India Imprint: Springer 2015

Editorial: New Delhi Springer India 2015

Descripción física: XIX, 165 p. 49 il

Mención de serie: Studies in Computational Intelligence 571

Nota general: Bibliographic Level Mode of Issuance: Monograph

Contenido: Neuro-Computing with High Dimensional Parameters -- Neuro-Computing in Complex Domain -- Higher Order Computational Model of Novel Neurons -- Neuro-Computing in Space -- High Dimensional Mapping -- Machine Recognition for Biometric Application in Complex Domain

Lengua: English

ISBN: 9788132220749 9788132220756 9788132220732 9788132228943

Materia: Engineering Optical pattern recognition Biometrics Computational Intelligence Pattern Recognition Mathematical Models of Cognitive Processes and Neural Networks Biometrics

Enlace a formato físico adicional: 81-322-2073-0

Punto acceso adicional serie-Título: Studies in Computational Intelligence 571

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