

CONTENTS

Preface	179
Contents	181
K.A. SMITH, J.-Y. POTVIN, T. KWOK: Neural network models for combinatorial optimization: A survey of deterministic, stochastic and chaotic approaches	183
J. MAŃDZIUK: Neural networks for the N-Queens Problem: a review	217
R. NANBA, M. HASEGAWA, T. NISHITA, K. AIHARA: Optimization using chaotic neural network and its application to lighting design	249
N. FUNABIKI, T. KUROKAWA, M. OHTA: Binary neural networks for N-queens problems and their VLSI im- plementations	271
L. RUTKOWSKI, K. CPAŁKA: A neuro – fuzzy controller with a compromise fuzzy reasoning	297
T.H. LINH, S. OSOWSKI: Neuro-fuzzy TSK network for approximation of static and dy- namic functions	309
Y. FRAYMAN, L. WANG, C. WAN: Cold rolling mill thickness control using the cascade-correlation neural network	327
M.B. ZAREMBA, R.M. PALENICHKA: Probabilistic morphological modeling of hydrographic networks from satellite imagery using Self-Organizing Maps	343

Evolutionary neural-networks based optimisation for short-term load forecasting

- J. MAŃDZIUK, R. MIKOŁAJCZAK: 383
Chaotic time series prediction with feed-forward and recurrent neural nets

Book reviews

- A. Wiszniewska-Matyszkiel: 407
Advances in Dynamic Games and Applications (by E. Altman and O. Pourtallier, Editors)
- P. Nowak: 411
Semi-Markov Processes and Reliability (by N. Limnios and G. Oprisan)