

Table of Contents

Foreword	vii
<i>R.E. Saeks</i>	

Editors' Preface	ix
------------------	----

Electric Power Applications

Motor Fault Detection and Diagnosis Using Soft Computing	3
<i>X.-Z. Gao and S.J. Ovaska</i>	
Neural Network Estimation and Neuro-Fuzzy Control in Converter-Fed Induction Motor Drives	45
<i>M.P. Kazmierkowski and T. Orłowska-Kowalska</i>	
High Robustness of Fuzzy Logic Systems in Switched Reluctance Motor Drives	95
<i>A.D. Cheok</i>	
On the Use of Fuzzy Logic to Control Paralleled DC-DC Converters	137
<i>B. Tomescu and H.F. VanLandingham</i>	
Soft Computing-Based Optimal Operation in Power Energy System	196
<i>A. Kamiya, M. Kato, K. Shimada, and S. Kobayashi</i>	
Neural Network-Based Adaptive Protection System	231
<i>A. Halinka, P. Sowa, M. Szewczyk, and L.M. Sztandera</i>	

Emerging Applications

Fuzzy Logic-Based Traffic Controller	249
<i>J. Niittymäki, R. Nevala, and M. Mäenpää</i>	
On Evolvable Hardware	279
<i>T.G.W. Gordon and P.J. Bentley</i>	
Category Classification Using Neural Networks	324
<i>T. Fujinaka, M. Yoshioka, and S. Omatu</i>	
List of Contributors	347
About the Editors	349
Keyword Index	351



<http://www.springer.com/978-3-7908-1477-4>

Soft Computing in Industrial Electronics

Ovaska, S.J.; Sztandera, L.M. (Eds.)

2002, XVI, 352 p., Hardcover

ISBN: 978-3-7908-1477-4

A product of Physica-Verlag Heidelberg