

TABLE OF CONTENTS OF VOLUME 14, NUMBER 3

| | |
|---|-----|
| On Logical Correction of Neural Network Algorithms for Pattern Recognition..... | 203 |
| <i>Levon Aslanyan, Luis de Mingo, Juan Castellanos, Vladimir Ryazanov, Fedor Chelnokov, Alexander Dokukin</i> | |
| Logic Based Pattern Recognition - Ontology Content (1) | 206 |
| <i>Levon Aslanyan, Juan Castellanos</i> | |
| DNA Simulation of Genetic Algorithms: Fitness Computation | 211 |
| <i>Maria Calvino, Nuria Gomez, Luis F. Mingo</i> | |
| Applications of Radial Basis Neural Networks for Area Forest..... | 218 |
| <i>Angel Castellanos, Ana Martinez Blanco, Valentin Palencia</i> | |
| Decision Trees for Applicability of Evolution Rules in Transition P Systems | 223 |
| <i>Luis Fernandez, Fernando Arroyo, Ivan Garcia, Gines Bravo</i> | |
| A Partition Metric for Clustering Features Analysis | 230 |
| <i>Dmitry Kinoshenko, Vladimir Mashtalir, Vladislav Shlyakhov</i> | |
| Structural Analysis of Contours as the Sequences of the Digital Straight Segments and of the Digital Curve Arcs | 237 |
| <i>Vladimir Kalmykov</i> | |
| Compression Technologies of Graphic Information..... | 243 |
| <i>Nikolay Fesenko</i> | |
| Automated Problem Domain Cognition Process in Information Systems Design..... | 251 |
| <i>Maxim Loginov, Alexander Mikov</i> | |
| Generalizing of Neural Nets: Functional Nets of Special Type..... | 259 |
| <i>Volodymyr Donchenko, Mykola Kirichenko, Yuriy Krivonos</i> | |
| Neural Network Based Optimal Control with Constraints | 265 |
| <i>Daniela Toshkova, Georgi Toshkov, Todorka Kovacheva</i> | |
| Linear Classifiers Based on Binary Distributed Representations | 270 |
| <i>Dmitri Rachkovskij</i> | |
| Growing Neural Networks Using Nonconventional Activation Functions..... | 275 |
| <i>Yevgeniy Bodyanskiy, Iryna Pliss, Oleksandr Slipchenko</i> | |
| Double-Wavelet Neuron Based on Analytical Activation Functions..... | 281 |
| <i>Yevgeniy Bodyanskiy, Nataliya Lamonova, Olena Vynokurova</i> | |
| Selecting Classifiers Techniques for Outcome Prediction Using Neural Networks Approach | 289 |
| <i>Tatiana Shatovskaya</i> | |
| Searching for Nearest Strings with Neural-like String Embedding..... | 294 |
| <i>Artem Sokolov</i> | |
| Table of Contents of Volume 14, Number 3 | 300 |