

# Table of Contents

Clustering using Genetic Algorithms .....	1
<i>Petra Kudová</i>	
Synthesis of the neural networks by the means of the symbolic regression method .....	11
<i>Pavel Vařacha, Ivan Zelinka</i>	
Learning of robots via symbolic regression and evolutionary computation	23
<i>Zuzana Oplatková, Ivan Zelinka</i>	
Ontology approach to integration of geographical data .....	35
<i>Zdeňka Linková, Radim Nedbal</i>	
Complexity Measures and Evolutional Algorithms in Spatiotemporal Chaos Control .....	42
<i>Eduard Navratil, Ivan Zelinka, Roman Senkerik</i>	
Advanced Features of Attribute Annotated Data Sets .....	54
<i>Martin Řimnáč</i>	
Evolutionary Optimization of Chaos Control .....	60
<i>Roman Senkerik, Ivan Zelinka, Eduard Navratil</i>	
Towards virtual RNA World .....	72
<i>Marian Bobrik</i>	
Data Fusion and Evolutionary Query Optimization for Advanced Search .	82
<i>Dušan Húšek, Amir Keyhanipour, Pavel Krömer, Behzad Moshiri, Suhail Owais, Václav Snášel</i>	
Optimizing Web Search Expressions .....	93
<i>Henry O. Nyongesa, Václav Snášel, Pavel Krömer, Suhail S. J. Owais, S. Maleki-Dizaji</i>	
<b>Author Index</b> .....	107