

CONTENTS

1. Building and studying a model of the human cognitive activity dynamics Natalya Bodrina, Konstantin Sidorov, Natalya Filatova.....	1-7
2. Fuzzy situational control of complex technical systems based on composite hybrid models Vadim Borisov, Daria Avramenko.	8-17
3. Hybrid neural-fuzzy resource managing in parallel computing systems Yaroslav Fedulov, Anastasiya Fedulova.....	18-25
4. The principles of creation an intelligent system for solving criminalistics problems Svetlana Gusakova, Natalia Ogoreltseva.....	26-32
5. Co-evolutionary algorithm for the placement of vlsi elements Oleg Lebedev, Artemy Zhiglaty.....	33-39
6. On the logical approach to the rationality of an intelligent agent Maria Mikheyenkova.....	40-47
7. Expert system for multidimensional time series anomaly detection Boris Palyukh, Alexander Vetrov.....	48-54
8. The spot model for representation and processing of qualitative data and semantic information Nikolai Simonov.....	55-69
9. Evaluation of intellectual capital in R&D-intensive companies: an ontology-based approach Olga Stoianova, Valeriia Moskaleva.	70-80
10. Semilattices category and data representations for algebraic machine learning Dmitry Vinogradov.....	81-88
11. Acquisition and enrichment of a subject domain thesaurus from a sample of scientific abstracts Alexander Voinov	89-97
12. AI: "... It sails. But whither do we sail?... ” Michael Zabezhailo, Victor Finn, Maria Mikheyenkova	98-107
13. Application of ontology design patterns for building an ontology of decision support in weakly formalized domains Yury Zagorulko, Galina Zagorulko	108-116