

Contents

An Improved Particle Swarm Optimization Algorithm with Repair Procedure	1
Bożena Borowska	
Fuzzy Evaluation Method for Project Profitability	17
Rekik Ali, Gabsi Mounir, Valentina Emilia Balas and Masmoudi Nissen	
New Approach for Saving Semistructured Medical Data	29
Iryna Shvorob	
Architecture and Conceptual Bases of Cloud IT Infrastructure Management	41
Sergii Telenyk, Eduard Zharikov and Oleksandr Rolik	
Generation of the Association Rules Among Multidimensional Data in DBMS Caché Environment	63
Mykola Fisun and Hlib Horban	
Threat Assessment Method for Intelligent Disaster Decision Support System	81
Maryna Zharikova and Volodymyr Sherstjuk	
Mobile Activation Learning System Using Gamification Approach	101
V.F. Emets, Jan Rogowski and Jacek Krasiukianis	
University's Information Image as a Result of University Web Communities' Activities	115
Roman Korzh, Andriy Peleshchyshyn, Yuriy Syerov and Solomia Fedushko	
Multi-modular Optimum Coding Systems Based on Remarkable Geometric Properties of Space	129
Volodymyr Riznyk	

The Method of Statistical Analysis of the Scientific, Colloquial, Belles-Lettres and Newspaper Styles on the Phonological Level	149
Iryna Khomytska and Vasyl Teslyuk	
The Optimal Aggregation of Integrated Regional Systems “Production, Waste Recycling”	165
Taisa Borovska, Pavel Severilov, Irina Kolesnik and Victor Severilov	
Intelligent Systems Design of Distance Learning Realization for Modern Youth Promotion and Involvement in Independent Scientific Researches	175
Nataliya Shakhovska, Victoria Vysotska and Lyubomyr Chyrun	
An Ontology-Based Approach for User Interface Adaptation	199
Makram Soui, Soumaya Diab, Ali Ouni, Aroua Essayeh and Mourad Abed	
Algebraic Framework for Knowledge Processing in Systems with Situational Awareness	217
Khrystyna Mykich and Yevhen Burov	
Classification Methods of Text Documents Using Ontology Based Approach	229
Vasyl Lytvyn, Victoria Vysotska, Oleh Veres, Ihor Rishnyak and Halya Rishnyak	
The Identification of the Operator’s Systems Images Using the Method of the Phase Portrait	241
Natalya Shakhovska, Lilia Nych and Roman Kaminskyj	
Concept Implementation of Decision Support Software for the Risk Management of Complex Technical System	255
Victor Boyko, Nicolay Rudnichenko, Sergey Kramskoy, Yevhen Hrechukha and Natalia Shibaeva	
The Model of Data Analysis of the Psychophysiological Survey Results	271
Volodymyr Pasichnyk and Tetiana Shestakevych	
Two Algorithms Median Filtering to Identify the Time Series Trend	283
Helen Dmitriv and Roman Kaminsky	
Use Electric and Acoustic Technologies for Automated Control of Water	293
Maryna Mikhaliieva, Nataliya Hots, Mykola Mykyychuk and Yuliia Dzikovska	

Analysis of Clustering Algorithms	305
Iryna Zheliznyak, Zoriana Rybchak and Iryna Zavuschak	
Semantic Search Personalized Data as Special Method of Processing Medical Information	315
Natalia Melnykova	

Advances in Intelligent Systems and Computing
Selected Papers from the International Conference on
Computer Science and Information Technologies, CSIT
2016, September 6-10 Lviv, Ukraine
Shakhovska, N. (Ed.)
2017, VII, 325 p. 111 illus., 47 illus. in color., Softcover
ISBN: 978-3-319-45990-5