

TABLE OF CONTENTS

MATH MODELING. METHODS AND SYSTEMS OF INFORMATION PROTECTION, INFORMATION SECURITY

D. S. Alekseev

Method for organizing and ensuring information security of cyber-physical systems on the basis of detecting seasonality in data flows5

V. I. Wagner, A. A. Kozlov, N. S. Klimova, M. A. Egorova

Conducting a system analysis of the deformation properties of polypropylene and polyvinylidene fluoride medical materials.....14

A. M. Gelfand, V. V. Sigacheva, A. V. Arkhipov, L. K. Sirotina

Analysis and management of information security risks of a critical information infrastructure facility21

A. V. Demidov, A. G. Makarov

Solution to the problem of digital prediction of operating processes of uniaxially oriented polymer materials . .28

I. M. Egorov, S. V. Kiselev, A. A. Kozlov

Methods for qualitative analysis of creep of polypropylene and polyvinylidene fluoride medical threads34

K. N. Zhernova, A. A. Chechulin

Searching for anomalies in security data visualization using artificial neural networks39

S. V. Kiselev, A. G. Makarov

Development of a methodology for comparative analysis of deformation properties of aramid textile materials.....48

M. M. Kovtsur, A. A. Minyaev, V. E. Drepa, V. V. Sigacheva, L. K. Sirotina

Determining a wireless client location using the fingerprinting method in the ieee 802.11 network family. Part 1. Research.....54

M. M. Kovtsur, A. A. Minyaev, V. E. Drepa, V. V. Sigacheva, L. K. Sirotina

Determining a wireless client location using the fingerprinting method in the ieee 802.11 network family. Part 2. Implementation58

A. V. Meleshko, V. A. Desnitsky

Modeling a self-organizing decentralized wireless sensor network with role-functioning for attack detection. . .63

M. A. Mozgushin, A. V. Epifanov

Development of an algorithm for calculating the ratio of dilution of wastewater70

N. V. Pereborova

Development and implementation of criteria for qualitative evaluation of relaxation processes of polymer textile materials.....74

N. V. Pereborova, A. G. Makarov

Checking criteria for confident prediction of relaxation of polymer textile materials80

V. I. Pimenov, E. O. Tihostup, I. V. Pimenov

Data mining in investment planning86

D. N. Smirnov, I. V. Chumakov, A. I. Katasonov, A. V. Arkhipov, V. V. Maksimov

Analysis of the security of the freeipa trust relationship system against attacks such as certificate substitution, including the attack of concealing malicious activity through timestamp manipulation91

N. R. Turkina, A. V. Soshnikov, N. G. Butkareva

Finite element analysis of tilt-swivel tv mount97

I. A. Ushakov, V. V. Maksimov, L. K. Sirotina, A. V. Arkhipov	
Methodology for studying the detection of steganographic channels based on embedding in packet header fields.	101
O. I. Sheluhin, D. I. Rakovsky	
Influence of multi-label databases on the results of multi-class classification of computer attacks	111
O. M. Shterenberg, V. I. Andrianov, A. Y. Khoromskaya, V. V. Maksimov, V. V. Sigacheva	
Ways to protect an organization from attacks using social engineering	120
S. I. Shterenberg, A. V. Krasov, V. V. Maksimov, A. V. Arkhipov	
The idea and general concept of applying a multi-agent approach to the creation of large-scale intelligent intrusion detection systems	128

CHEMICAL SCIENCES

K. A. Antonova, K. I. Shikolenko, A. P. Mikhailovskaya	
N-alkylation of tertiary amines under different conditions	137
I. N. Ganiev, Abuali Elmurod, R. S. Shonazarov, U. N. Faizulloev	
effect of lithium additives on the heat capacity and changes in the thermodynamic functions of an AlCu4.5Mg1 alloy of the duralumin type	141
N. A. Ivanov	
Preparation and use of fast colour salts from aromatic amine to the synthesis of insoluble azo dyes on the mixed textile materials	148

AUTOMATION AND CONTROL OF TECHNOLOGICAL PROCESSES AND PRODUCTION

M. A. Kanevskiy	
Peculiarities of implementation popular neural networks in recommendation systems for the fashion industry. 152	
O. I. Sheluhin, V. V. Barkov, F. A. Matorin	
Improving the classification of illegal and unwanted applications under background traffic conditions using autoencoders	159
M. A. Kanevskiy	
The application of an ensemble of models in a hybrid neural network to form a set of products (look) in online clothing store	166
Authors list	170
Information for authors	172