



CONTENT

ACADEMIC ECONOMISTS ABOUT INNOVATIONS

Zuev D.A.

Innovative activity in the socially-psychological theory and practice.
Possibilities of commercialization 5

TECHNICAL INNOVATIONS

Khramov V.N., Chebakova T.S., Burlutskaya E.N., Danilov P.A.

The dental pulse-periodic neodymium laser 9

Atkina V.S.

Using program complex for study of information systems disaster recovery 14

Zaporotskova I.V., Perevalova E.V., Boroznin S.V.

Investigation of molecular oxygen adsorption on the external surface of boron
and boron-nitrogen nanotubes 18

Glukhova O.E., Saliy I.N., Nechaev V.V., Slepchenkov M.M.

The modeling of the behavior of the retinol molecule and the water molecule
in nanospace of carbon nanotube 25

Zatrudina R.Sh., Kasjanov I.V., Marusin N.V., Peretyagin V.S.

Dynamics of generation of the laser with a passive shutter on carbon nanoclusters 30

Nikishova A.V.

Intelligent intrusion detection system on basis of multi-agent approach 35

Umnitsyn M.Yu.

Application of multiagent approach for scaled-down simulation of malicious impact 38

Tsaregorodtsev S.S.

Monitoring of Solaris 10 information security 42

Volovik D.V., Yakimets A.L.

Parametric estimation of characteristics of electrical circuits 44

<i>Chadaev D.I., Semenov E.S.</i> Information modelling of designing and the technical account of fiber network linearly cable constructions	48
<i>Bagrov E.V.</i> Monitoring and audit of information security for the companies	54
<i>Vaganova O.V.</i> Improving innovation industries with elements of intensification	57
<i>Glukhova O.E., Kirillova I.V., Shunaev V.V.</i> Distribution of the local stress of atomic monolayer graphene	62
<i>Kobelev I.A., Khoperskov A.V.</i> Multiwindow graphics editor VolSUGraph 1.0 for visualization of simulation results	67
<i>Rombah V.P.</i> Why the Volgograd bridge hasn't failed and how not to admit accident	72
<i>Fomichev V.T., Fedorov F.S.</i> New method of electrolytic synthesis of iron-copper nano films	81
<i>Tsybulin A.M.</i> The constructing approach to the enterprise's automated information security management system....	86
<i>Semenova L.M., Bakhracheva J.S., Semenov S.V.</i> Self-similarity at different scale levels in thermocyclic	90
<i>Beshta A.A.</i> The model of gathering information about corporate computer network	96
<i>Glukhova O.E., Vetsel S.S.</i> Study the influence of the linear dimensions of nanoplate on the values of Young's modulus and hardness	100
<i>Zaporotskova N.P., Zaporotskova I.V., Ermakova T.A.</i> Sorption activity of carbon nanotubes as a base for innovation technology of water-ethanol mixture cleaning process	106
<i>Kondratenko T.T., Maximov P.V.</i> Working out of the way of manufacturing of non-planar substrates for new generation of photovoltaic cells	111
<i>Stepanova A.Yu., Zaporotskova I.V., Belov A.N.</i> Nanoporous materials based on aluminum oxide: the mechanism of formation and technology of reception	114
<i>Khrapov S.S., Kobelev I.A., Pisarev A.V., Khoperskov A.V.</i> 4D-model in ecological simulations: an information system designing	119

<i>Fetisov G.P., Goncharova Yu.P., Monakhova M.I.</i> Complex maintenance of biocompatibility	125
<i>Lobacheva G.K., Kolodnitskaya N.V., Zheltobryukhov V.F., Osipov V.M., Guchanova I.Zh., Guchanova A.I.</i> Application of biotechnology for clearing of the polluted soils	134
<i>Lobacheva G.K., Molodtsova V.I., Klopova T.Yu., Chadov O.P., Guchanova A.I., Guchanova I.Zh.</i> Innovative technologies of processing and application of production wastes 2-merkaptobenziazola in industrial production	141
<i>Lobacheva G.K., Guchanova A.I., Platonov M.Yu., Smirnov A.A., Chadov O.P., Klopova T.Yu., Kireeva N.G., Kolodnitskaya N.V., Guchanova I.Zh.</i> Synthesis and application flocculant for clearing of the industrial drains containing oiling – cooling liquid	145
<i>Lobacheva G.K., Zubkov A.M., Chadov O.P., Klopova T.Yu., Kireeva N.G., Kolodnitskaya N.V., Guchanova I.Zh., Guchanova A.I.</i> Application of innovative technologies for the intensification of process of clearing of «sour drains» metallurgical industry	149
<i>Krutoyarov A.A., Zaporotskova I.V., Krutoyarova N.V.</i> Investigation of the interaction between the certain polymers and carbon nanotubes	152
<i>Perevalova E.V., Zaporotskova I.V.</i> Structure, physical and chemical properties of boron nanotubes	159