

Table of contents

I. Tsmots, M. Medykovsky, A. Skorokhoda, T. Teslyuk. Design of intelligent component of hierarchical control system.....	3
D. Kordiyak, N. Shakhovska. Analytical review of medical mobile diagnostic systems	11
N. Kunanets, V. Pasichnyk, A. Fedonyuk. Social and communicative engineering as the newest type of engineering.....	17
V. Riznyk. Applications of the combinatorial configurations for optimization of technological systems	27
N. Shakhovska, O. Veres, M. Hirnyak. Generalized Formal Model of Big Data	33
Yu. Chaplya, O. Sobol. Development the methods of optimum placement undirected planar objects with piecewise non-linear boundaries in the multiply area	39
T. Osipowicz. Analysis of the costs and cost-efficiency of regeneration of modern fuel injection systems in CI engines	45
K. Tucki. Using the finite element method in the modeling of layered composite delamination.....	51
N. Boyko, P. Pobereyko. Basic concepts of dynamic recurrent neural networks development.....	63
N. Boyko, O. Kutyyuk. Basic concepts of evolution in agents calculating and agents system	69
V. Pasichnyk, O. Lozytsky, V. Savchuk. Personified information technology to support the tourist with excursion content in DAISY format	77
L. Chyrun, V. Vysotska, I. Kozak. Informational resources processing intellectual systems with textual commercial content linguistic analysis usage constructional means and tools development	85
A. Stepniewski, J. Nowak, A. Stankiewicz. Analytical model of foil consumption for cylindrical bale wrapping.....	95
V. Teslyuk, Kh. Beregovska, A. Pukach, R.-A. Ivantsiv. Automation of determining the range of values for MEMS resistive parameters.....	101
N. Melnykova, U. Marikutsa, S. Sosnowski. Specifics personalized approach in the analysis of medical information.....	109
M. Cegielski, P. Stakhiv, Yu. Kozak. Research of influence of calculation precision on the effectiveness of stochastic optimization methods	117
G. Zaguła, A. Fabisiak, M. Bajcar, M. Czernicka, B. Saletnik, Cz. Puchalski. Mineral components analysis of selected dried herbs.....	121
V. Komyak, A. Pankratov, V. Patsuk, A. Prikhodko. The problem of covering the fields by the circles in the task of optimization of observation points for ground video monitoring systems of forest fires	125
B. Saletnik, M. Bajcar, G. Zaguła, M. Czernicka, C. Puchalski Impact of the biomass pyrolysis parameters on the quality of biocarbon obtained from rape straw, rye straw and willow chips	129