



**AUTOMATION OF TECHNOLOGICAL AND BUSINESS-PROCESSES
АВТОМАТИЗАЦИЯ ТЕХНОЛОГИЧЕСКИХ И БИЗНЕС-ПРОЦЕССОВ**

**CONTENTS
СОДЕРЖАНИЕ**

Kobyshev E.I., Simkin A.I. Situational control of hot blast stoves group based on decision tree.....	4
Gurskiy A.A., Goncharenko A.E., Dubna S.M. Formation of the synthesis algorithms of the coordinating control systems by means of the automatic generation of petri nets.....	13
Khobin V.A., Levinskiy M.V. Filters research for free motion extraction in self-tuning automatic control systems	24
Pelykh S.N., Odrehovska E.A., Maksymova O.B. Search for the best power control program at NPP with VVER-1000 using gradient descent method.....	36
Sakaliuk O.Yu. Automation of control of the business process of publishing scientific journals.....	41
Silvestrov A.M., Sorokovyi A.I., Laktionov A.I. Training of numerical control machines operators: model of synthesis..	48
Blohin, L.N., Osadchiy S.I., Zozulia V.A. Analytical design of the open-loop systems of stochastic multidimensional nonlinear object control.....	56
Пупена О., Ельперін І., Міркевич Р. Review of modern integrated production standards.....	63
Zhuchenko O.A., Bevzyk L.L. Simplified mathematical model of carbon electrode graphitization.....	75
Кондратець В.О., Мацуй А.М. Моделювання закономірностей розташування матеріалу вздовж нижньої частини піщового тіла механічного спірального класифікатора.....	84
Lisovenko A.I., Bisikalo O.V. Expert assessment of a revalent of replies of the automated system of support of dialogue for distance learning.....	93
Shumyhai D., Ladanyuk A., Smityuh Y. Fast adaptation algorithm for pi controller.....	97