

CONTENTS

INFORMATION SYSTEMS AND TECHNOLOGIES

The development in network information technologies of the training based on the Artificial Intelligence systems as an underground for the formation of the intellectual capital, and technical innovations

Veselovska H. V., Plakhotniuk M. F., Kuchmiichuk M. M.5

Logistics Web Platform Using React.Js

Kyrychek H. H., Tiahunova M. Yu., Balabukha O. M.9

Informational technology of the creation (modernization) of the fire control system as a complex informational system

Lavrut O. O., Lavrut T. V., Hryhorchuck D. O.13

APPLIED MECHANICS

Individual cases of construction of spatial curves as a function of arc length with given dependences of curvature and angle of ascent

Kresan T. A., Pylypaka S. F., Petryk A. M.17

MATERIALS SCIENCE

Improving the production of reinforcing bars of strength class 500–600 MPa with improved performance properties on the example of European standards

Ivchenko O. V., Zuiev O. V., Nurumgaliyev A. H., Yerzhanov A. S., Andryushkin A. V.23

Improving the production of cold-formed reinforcing bars of increased plasticity for construction in post-war Ukraine

Perchun G. I., Yakushev O. S., Ivchenko A. O.26

Carbon fiber reinforced plastics based on aromatic polyamide

Chigvintseva O. P., Rula I. V., Boyko Yu. V.31

HEAT POWER ENGINEERING

Estimation of the weighted average cost of thermal energy for the life cycle from a waste incineration plant under different technological schemes of production

Kuts H. O., Maliarenko O. Ye., Pavliuk N. Yu.36

HYDROPOWER ENGINEERING

Increasing the energy and general efficiency of the functioning of polder drainage systems is today's main requirement

Chuhai Ye. O., Rokochynskiy A. M...... 40

ELECTRONICS AND TELECOMMUNICATIONS

Models for ensuring the operational electrical supply of UAV flying chains

Saiko V. G., Kryvolapov Ya. V., Kryvolapov H. Ya. 44

ARCHITECTURE AND CONSTRUCTION

Utilization of lime and biopolymers to increase the stability of the subgrades roads

Balashova Yu. B., Demianenko V. V., Balashov A. O...... 48

Exergoeconomic analysis of the central air conditioning system of premises for storage of pumpkin family seeds

Zadoyanny O. V., Yevdokymenko Yu. M. 51

Resource optimization as a basis for increasing the efficiency of irrigation systems functioning in modern changing conditions and requirements

Prykhodko N. V., Rokochynskiy A. M. 55

Increasing the overall efficiency of irrigation of the accompanying crops of the rice crop rotation

Rychko D. M., Prykhodko N. V., Rokochynskiy A. M...... 59

TRANSPORT

Peculiarities of development of modern mooring systems: innovations in control systems

Honcharuk I. P., Golovan A. I. 64

Prerequisites the formation of a logistics system for the repair of parts of the «shaft» type of ship technical facilities

Ustintcev S. M., Ahieiev M. S...... 68