

CONTENTS

INFORMATICS, COMPUTER ENGINEERING AND AUTOMATION

Tarasenko Ya.V. SYNTACTIC STRUCTURE SIMULATION FOR SEMANTIC COMPRESSION-BASED ATTACK ON THE LINGUISTIC STEGOSYSTEM	1
Tkachenko V.V., Ulitska O.O. COMPARISON OF THE METHOD OF MEASURING THE STEAM FLOW USING A NARROWING DEVICE AND THE DIFFERENCE IN THE WATER TEMPERATURE OF THE PRIMARY CIRCUIT	6
Tomashevskiy R.S. EVALUATION OF OPPORTUNITY BIOMEPEDOMSOMETRY FOR MONITORING OF ULTRAFILTRATION PROCEDURE	11
Topalov A.M., Kondratenko Y.P., Kozlov O.V. COMPUTERIZED SYSTEM FOR REMOTE DIAGNOSTICS OF LEVEL SENSORS IN THE FLOATING DOCK BALLAST COMPLEX.....	19
Yavorska Ye.B., Dozorskiy V.G., Dediv L.Ye., Dozorska O.F. THE METHOD OF BIOSIGNALS PROCESSING FOR THE TASK OF HUMAN COMMUNICATIVE FUNCTION RESTORING	26

POWER ENGINEERING

Boiko S.M., Nosach I.V., Kirukhina M.V., Khebda A.S. THE PROBLEM OF FORMATION OF SOURCES OF DISTRIBUTED GENERATION IN THE IRON COMPANY	31'
Duras M.V. TYPES OF UKRAIANAIN AUTONOMOUS ELECTRIC ENERGY SOURCES AND HOW TO CONNECT THEM TO CONSUMERS	36
Kyrylenko M.V. STUDY OF THE EFFECTIVENESS OF PNEUMATICPULSE TECHNOLOGIES	41
Komarchuk D.S. DEVELOPING OF THE ALGORITHM OF USE THE FUZZY NEURAL NETWORK FOR THE DETERMINATION OF THE ENERGY EFFICIENT MODES OF THE OPERATION BY ELECTROTECHNOLOGICAL COMPLEX OF INDUCTION HEATING OF DISPERSE MATERIALS	46
Kulyk M.P. COMBINED CYCLE GAS AND STEAM TURBINE UNIT OF A VARIABLE STRUCTURE AS AN ELEMENT OF QUICK OVERHAUL OF HEAT POWER ENGINEERING OF UKRAINE	53
Kuchma V.S., Pohosov O.Yu. ANALYSIS OF THE POSSIBILITIES OF MEASURING THE CONCENTRATION OF BORON ABSORBER OF NEUTRONS IN THE COOLANT OF A NUCLEAR POWER REACTOR FROM THE VVER-1000.....	58
Lavryshchev O.O. REDUCTION OF ENERGY COSTS IN LIVESTOCK PRODUCTION DUE TO THE USE OF A WET ELECTRIC FILTER.....	63
Shcherbyna V.Yu., Shvachko D.G. INCREASING THE ENERGY EFFICIENCY OF ROTARY HEAT GENERATORS.....	68

RESOURCE DEVELOPMENT

Kosenko A.V., Tarasyutin V.M.

INVESTIGATION OF THE ORE DRAWING ON THE BASIS OF PHYSICAL SIMULATION79

METALLURGY

Zinchenko V.Yu., Ivanov V.I., Nesterenko T.N., Cheprasov A.I., Kayukov Yu.N.

ABOUT THE CONTROL OF STAGED FUEL COMBUSTION IN METHODICAL FURNACES80

CHEMICAL TECHNOLOGY

Vikul S.I., Antipina O.O.

GRAPEFRUIT JUICE AS A BIOLOGICALLY ACTIVE PART OF FRESH-MIXES85

Gomelya N.D., Ivanova V.P., Ivanenko E.I., Galimova V.M.

EFFICIENCY OF USING BAROMEMBRANE METHODS
IN THE PROCESSES OF DEEP WATER TREATMENT FROM IONS OF HEAVY METALS94

Gomelia M.D., Petrychenko A.I., Shabliy T.O.

REMOVAL OF AMMONIUM IONS FROM WATER BY ELECTROLYSIS99

Petrychenko A.I., Gomelya N.D., Radovenchik Ya.V.

REMOVAL OF PHOSPHATES FROM WATER
BY CHEMICAL AND ELECTROLYTIC DEPOSITION106

Frolova L.A., Pivovarov O.A.

STUDYING CONDITIONS OF SYNTHESIS OF BLUE COBALT ALUMINATE PIGMENT111

TECHNOLOGY OF FOOD PROCESSING AND CONSUMER GOODS INDUSTRY

Dorohovych A.M., Horzei O.V.

THE USING OF DI- AND MONOSACCHARIDES IN THE PRODUCTION
OF FRUIT FILLING FOR MUFFINS115

Marynin A.I., Prokhorenko Zh.I., Sviatnenko R.S., Martynenko T.A.

INVESTIGATION OF THE EFFECT OF ITS MODES
ON THE MICROFLOOR OF SOCOPLASTIC MIXTURE121

Mykolenko S.Yu., Koziar Yu.V.

DEVELOPMENT OF GLUTEN-FREE COOKIES MADE WITH NON-TRADITIONAL FLOUR125

Silka I.N., Kyrpichenkova O.N., Karpenko V.A.

UKRAINIAN CUISINE IN THE CONTEXT OF MODERN NUTRITION131

Simakhina G.O.

COMBINING THE INGREDIENTS OF FROZEN FRUIT
AND BERRY MIXTURES ACCORDING TO THE PRINCIPLES OF FOOD COMBINATORICS136

TRANSPORT

Prokudin G.P., Remekh I.O., Maidanik K.O., Redich Y.A.

OPTIMIZATION OF THE FREIGHT CUSTOMS COMPLEX
THROUGH THE USE OF MULTI-STAGE TRANSPORT TASK142

Sannytsky N.M.

THE RESEARCH OF THE EFFECTIVENESS
OF THE USE OF PRIVATE LOCOMOTIVES ON THE UKRAINIAN RAILWAYS147

Turpak S.M., Vasileva L.O., Padchenko O.O., Lebid H.O.
INVESTIGATION OF THE MICRO-LOGISTIC SYSTEM OF SHIPMENT
OF FINISHED PRODUCTS OF METALLURGICAL ENTERPRISE.....156

Sheludchenko L.S., Chinchik O.S., Polishchuk D.V.
FUNCTIONAL CHARACTERS OF THE MOTOR VEHICLE FLOW
AND WAYS OF PROVIDING ENVIRONMENTAL SAFETY
OF THE TRANSITIONAL TERRITORY.....163

CONSTRUCTION

Arsenieva N.O.
ANALYSIS OF THE ASPHALT LAYERS STRESS-STRAIN STATE
OF FLEXIBLE PAVEMENT WHEN HER DESIGNS MODELLING.....167

Meneyluk O.I., Petrovsky A.F., Borisov A.A., Kirilyuk S.V.
THE DEVELOPMENT OF METHODS FOR CONDUCTING EXPERIMENTS
WITH SCREW EQUIPMENT172

ELECTRONICS

Kutova O.Y., Dusheiko M.H., Shkel K.O., Timofeyev V.I.
RAPID CRP ANALYSIS USING ISFET BIOSENSOR.....176

Yammenko Yu.S., Ony'shhenko O.M.
BIOTELEMETRIC MODULE FOR LOCAL WIRELESS NETWORKS181

Yanenko M.V.
CLASSIFICATION OF FUEL MOVEMENTS BASED
ON PARAMETRIC MODEL OF CARBON ACTIVITY186