

CONTENT

<i>Tatiana Maksimova, Elena Shapran</i>	5
APPROACH TO DIAGNOSTICS OF MARKETING COMPLEX OF INDUSTRIAL ENTERPRISE	5
<i>Vitaliy Maksimov, Ruslan Galgash</i>	
ANALYSIS OF MECHANISMS OF ENTERPRISE INNOVATIVE DEVELOPMENT	12
<i>Oleg Malakhov</i>	
DETERMINATION OF PARAMETERS OF WHEEL - RAIL	
DYNAMIC CONTACT SPOT BY MAGNETOMETRIC METHOD	19
<i>Valeriy Maletkin, Oleg Druz, Lydmila Maletkina</i>	
PLANETARY SAFETY OF LIFE ACTIVITY AS THE WAY	
OF SPIRITUAL INTEGRATION OF MANKIND	23
<i>Igor Malkov, Lubov Bondar, Anatoliy Makukhin, Gennadiy Syrovoy</i>	
PROPERTIES OF EPOXY MATERIALS WITH DIFFERENT NANO-MODIFIERS	28
<i>Vadim Miroshnikov, Oleivi Anver</i>	
THEORETICAL ANALYSIS OF A CIRCLE CURRENT CONVERTER	
OPERATION UNDER CONTROL OF HOLLOW CYLINDERS	33
<i>Valentin Mogila, Andrey Kireev, Andrey Mozheyko</i>	
THE DETECTION OF DISCONTINUITY FLAWS OF METAL	
IN POWER BRACKETS HEELS OF LOCOMOTIVE SERVICING	
BY ULTRASONIC ECHO METHOD ON SHALLOW DEPTHS	43
<i>Valentin Mogyla, Konstantin Svetlichnyy</i>	
FLAP TYPE LOUVER APPARAT FOR COOLING DEVICE	
IN MODERN LOCOMOTIVES	49
<i>Ganna Nadyon, Yuriy Dyachenko</i>	
ANTICRISIS MANAGEMENT OF INDUSTRIAL ENTERPRISES STAFF	56
<i>Grigoriy Nechaev, Michail Grabinichenko</i>	
MODELING OF PASSENGER COMPARTMENT WARMING-UP	60
<i>Grigorii Nechaev, Maxim Luchko</i>	
THE POSITION OF DIAGNOSTICS AND MOTOR-SERVICE	
IN TRANSPORT-LOGISTIC SYSTEM OF THE UKRAINE	65
<i>Grigoriy Nechaev, Sergiy Cherednychenko, Gennadiy Shenkman</i>	
CONFIGURATION OF THE MODEL OF SUPERECONOMICAL DRIVE,	
WORKING ON PROCESS OF POLYMORPHIC TRANSFORMATION	
OF β -TIN INTO γ -TIN	72
<i>Pavel Nosko, Vladimir Breshev, Pavel Fil, Grigory Boyko</i>	
STRUCTURAL SYNTHESIS AND DESIGN VARIANTS	
FOR NON-CONTACT MACHINE DRIVES	77
<i>Pavel Nosko, Valentin Shishov, Pavel Tkach, Ulya Sklyar</i>	
GEARING WITH INCREASED TEETH WEAR	87

<i>Yuri Osenin, Valentin Remen</i>	ACCURACY INCREASE OF POSITIONING OF PNEUMATIK DRIVES FOR MECHANICAL SYSTEMS	95
<i>Vladimir Pilipenko</i>	PRINCIPLES OF STRUCTURE FORMATION OF MODIFIED MATRIX OF CORROSION RESISTANT CONCRETE	100
<i>Vitaly Pozhidayev, Oleg Grachyov</i>	THE ANALYTICAL PROBLEM SOLUTION OF FINDING THE SEVERAL COALS MIX CHARACTERISTICS	105
<i>Vladimir Punagin</i>	PROPERTIES AND TECHNOLOGY OF BETON FOR HIGH ALTITUDE MONOLITHIC CONSTRUCTION	114
<i>Sultan Ramazanov</i>	INNOVATIVE TECHNOLOGIES OF ANTICRISIS MANAGEMENT FOR PRODUCTION-TRANSPORT COMPLEX.....	120
<i>Roman Ray, Miroslava Ray</i>	THE METHOD FOR THE DEFINITION OF REDUCED COEFFICIENT OF FRICTION IN CRANK-CONNECTING MECHANISM OF PRESS	125
<i>Natalya Rudenko</i>	THE DEVELOPMENT OF CONCEPTION OF NEW GENERATION CONCRETES.....	128
<i>Lyudmila Ryabicheva, Arkadij Tsirkin, Dmytro Usatyuk</i>	WARM DEFORMING OF COPPER POROUS POWDER BILLETS.....	134
<i>Natalia Ryazantseva</i>	USING INFORMATION TECHNOLOGY TO SOLVE PROBLEMS OF REDUCING UNEMPLOYMENT IN THE REGIONS.....	141
<i>Raisa Savchenko, Pavel Kolodyazny, Svetlana Volkova</i>	ULTRASOUND QUALITY CONTROL OF RIM HEAT TREATMENT IN THE WHEEL SPIDER CASTINGS OF A ROLLING	149
<i>Victor Shapovalov, Yakov Nezhinskiy</i>	THE DEVELOPMENT AND APPLYING OF FLEXIBLE TECHNICAL FACILITIES IS EFFECTIVE WAY OF AGRICULTURAL PRODUCTION MECHANIZATION IN INDUSTRY	157
<i>Maxim Slobodyanyuk, Grigoriy Nечаев</i>	THE EVALUATION TECHNIQUE OF LOGISTICS' SYSTEM CARGO TRANSPORTATION EFFICIENCY DEVELOPMENT.....	162
<i>Mykhaylo Smirny</i>	ON THE LINEARITY RANGE OF THE FERROPROBE SENSOR OF MOVEMENT WITH THE MAGNETIC SYSTEM IN THE FORM OF A RECTANGULAR ONE-CORED MAGNET	171
<i>Vladimir Sokolov, Sergey Kuz'menko, Anton Veligura</i>	TEMPORAL CHARACTERISTICS OF THE INITIAL STAGES DIFFUSION OF AEROSOLS IN A TURBULENT FLOW	178
<i>Maksym Spiriyagin, Valentyn Spiriyagin, Vitaly Ulshin</i>	ACTIVE STEERING CONTROL SYSTEM OF A RAIL VEHICLE BASED ON FUZZY LOGIC AND THE ANALYSIS OF THE SOUND RADIATION.....	186

Valeriy Starchenko, Alexander Kushchenko	
INVESTIGATION OF INFLUENCE OF FRICTIONAL MATERIAL'S CHARACTERISTICS OF BRAKE BLOCKS OF RAILWAY TRANSPORT ON THEIR FUNCTIONAL THERMAL STATE.....	199
Valeriy Stavytskyy, Pavel Nosko, Pavel Fil, Aleksey Karpov, Nikolay Velychko	
LOAD-INDEPENDENT POWER LOSSES OF GEAR SYSTEMS: A REVIEW	205
Sergej Stoyanchenko, Darya Shvetsova	
AN ALGORITHM OF SHARED INDUSTRIAL ROBOT CONTROL FOR FLEXIBLE MANUFACTURING SYSTEM.....	214
Aleksander Stoyanov, Gennadiy Shenkman	
MANUFACTURING TECHNOLOGY OF COMPLICATED SHAPE PARTS OF SINTERED METAL POWDERS.....	220
Yuri Svinoroev, Vladimir Kostrub, Olga Klimova	
NEW ECOLOGICAL BINDER MATERIALS BASED ON VEGETATIVE RAW MATERIALS PROCESSINTG PRODUCTS.....	227
Dmitry Syomin, Andrey Rogovoy	
POWER CHARACTERISTICS OF SUPERCHARGERS WITH VORTEX WORK CHAMBER.....	232
Vladimir Tkach	
THE ADAPTIVE CONTROL OF HIGHER EDUCATION PROCESS QUALITY OF A UNIVERSITY ON A "TEACHER - STUDENT" LEVEL	241
Victoria Tretyachenko	
SOCIAL ENVIRONMENT AND A PERSON: PSYCHOLOGICAL PROBLEM OF EXISTENCE AND SURVIVAL.....	247
Victoria Tretyak, Maksym Kurilov	
NATIONAL INNOVATION SYSTEM AS THE BASIS OFINNOVATION-TYPE ECONOMY	253
Volodimir Turushin, Sergey Lenich	
AN INVESTIGATION OF THE PROCESS OF ANTHRACITE PARTICLES DESTRUCTION IN PERCUSSION CRUSHING MACHINES.....	260
Vitaly Ulshin, Oleg Grachyov	
THE ANALYTICAL SOLUTION METHOD OF THE ORDINARY COALS OPTIMUM BATCHING PROBLEM.....	266
Vitaly Ulshin, Dmytro Zubov, Alexander Gorbunov	
CONCEPTION OF THE SMALL-PIECES BUILDING PRODUCTION' AUTOMATION ...	275
Vitaly Ulshin, Dmitry Yurkov	
SYNTHESIS OF ARTIFICIAL NEURON NETWORKS.....	289
Denis Voronkov, Natalia Korolevska	
MODEL OF POTENTIAL CHANGES IN THE ENTERPRISE.....	298
Alla Voronkova, Olena Sushchenko, Sergii Chasovskyi	
INTERNATIONAL COMPETITIVENESS OF THE REGION AS THE BACKGROUND OF FORMING GEOECONOMIC DIRECTIONS OF FOREIGN ECONOMIC ACTIVITY OF ITS INDUSTRIAL ENTERPRISES	304
Alla Voronkova, Anton Grynov	
MODEL OF HUMAN CAPITAL COMPANY	310

<i>Alexander Zakharchuk, Irina Shvedchikova</i>	
METHODOLOGICAL ASPECTS OF MAGNETIC SEPARATORS SEARCH DESIGN.....	316
<i>Taras Zamota, Alexander Kravchenko</i>	
IMPROVEMENT OF TRIBOTECHNICAL CHARACTERISTICS OF PISTON RING SURFACE AT RUNNING IN	323
<i>Eduard Zharikov</i>	
TOPICAL QUESTIONS OF IMPLEMENTATION OF INFORMATION SERVICES IN A NETWORK OF UNIVERSITY	331
<i>Maya Zhdanova, Sergei Zhdanov</i>	
DEVELOPMENT AND RESEARCH OF PROTECTIVE COAT ON BASIS OF "Stikor" COMPOSITION	338
<i>Olga Zhdanova</i>	
FEATURES OF INDUSTRIAL ENTERPRISES MARKET POSITIONING ON THE BASIS OF MARKETING POLICY	345
<i>Pavel Zhytnyy, Olga Kulikova</i>	
PROBLEMS AND PROSPECTS OF THE DEVELOPMENT BANKING SYSTEM ON UKRAINE IN THE CONDITIONS OF GLOBALIZATION	351
<i>Alexander Kashura, Irina Kirichenko, Vladimir Vitrenko</i>	
TOOTH-GRINDING OF CYLINDRICAL TOOTH-WHEELS BY QUASI-HYPERBOLAR CUTTING TOOLS.....	357
<i>Igor Sosnov, Irina Biloborodova, Oksana Sergienko</i>	
ON CONTACT THERMAL RESISTANCE IN THE SYSTEM OF ACTIVE EFFECTIVE COOLING OF THE LOCOMOTIVE DISK BRAKE	362