CONTENTS

INDUSTRIAL ENGINEERING
Movchan K.O.
CLASSIFICATION SYSTEMS FOR UNMANNED AERIAL VEHICLES
AND THEIR APPLICATION IN VARIOUS INDUSTRIES
Pavlenko V.Ya.
CHOICE OF METHODS AND TOOLS FOR MEASURING ANGLES AND CONES
IN THE PRACTICE OF CONTROL OF PARTS AND PRODUCTS IN THE FIELD
OF INSTRUMENT AND MECHANICAL ENGINEERING
Pavlenko V.Ya.
EFFECTIVENESS OF METROLOGICAL SECURITY OF PREPARATION
OF VIBRATIONS IN INDUSTRIES
Tinturin S.G.
APPLICATION OF ARTIFICIAL INTELLIGENCE IN ENVIRONMENTAL PROTECTION
MONITORING SYSTEMS
Topchii N.V.
3D-SCANNERS. PRINCIPLES OF OPERATION AND ANALYSIS OF THE CURRENT STATE25
Topchii N.V.
METHODS AND MODERN MEANS OF CONTROLLING MECHANICAL PARTS
IN PRODUCTION
Tchaikovskiy S.Yu.
METROLOGICAL EXAMINATION OF TECHNICAL DOCUMENTATION –
A GUARANTEE OF QUALITY PRODUCTS
Shornikova S.V.
QUALITY OF PRINTED CIRCUIT BOARD PRODUCTION.
ANALYSIS OF INTERNATIONAL STANDARDS
AIRCRAFT AND AEROSPACE TECHNIQUES
Sydorchuk A.Yu., Kravchenko I.M.
SPECIFIC ASPECTS OF CAMERA VIEWING ANGLE STABILIZATION DURING
FPV DRONE CONTROL
TI V DRONE CONTROL
ELECTRICAL ENCINEERING
ELECTRICAL ENGINEERING
Antypchuk B.O., Novosyletsky U.L., Lavrishchev O.O.
ELECTROMAGNETIC INDUCTION AS A BASIS FOR UNCONVENTIONAL METHODS
OF ELECTRICITY GENERATION
Hrebonkin Ye.O., Zavorotnyi V.F.
THE USE OF NANOMATERIALS IN GAS MEMS SENSORS
Zymovchenko V.O.
FIFTH GENERATION OF MOBILE COMMUNICATION (5G).
ADVANTAGES AND DISADVANTAGES. IMPLEMENTATION IN UKRAINE AND THE WORLD69
Lukyanuk S.V.
INTEGRATION OF PRODUCTION AND ASSEMBLY DESIGN PRINCIPLES
AND CONCESSIONING OF PRODUCTION PROCESS REENGINEERING
/Title Correlation of Trob Correct Rooms Represented Representation (1977)
EQUIPMENT
Skakun O.V.
MEASURING TECHNIQUE TOOLS FOR ENVIRONMENTAL CONTROL
IN MEGACITIES AND INDUSTRIAL CENTERS81

RADIO ENGINEERING AND TELECOMMUNICATIONS
Valuiskyi S.V., Lysenko O.I., Kysil A.I. THE METHOD OF ENERGY-EFFICIENT CLUSTERIZATION IN WIRELESS SENSOR NETWORKS USING UAV
Valuiskyi S.V., Lysenko O.I., Kravchuk I.V. METHODS FOR PROTECTION AGAINST ATTACKS ON PEER-TO-PEER BLOCKCHAIN NETWORKS OF BITCOIN
Haryst A.V. HISTORY OF THE DEVELOPMENT OF CELLULAR COMMUNICATION NETWORKS
Zymovchenko V.O. WIRELESS CHARGING TECHNOLOGIES: EXPLORATION OF INNOVATIVE SOLUTIONS, OPERATING PRINCIPLES, AND FUTURE PROSPECTS
Ivanchuk O.V., Kozel V.M., Drozdova Ie.A., Prykhodko O.O. RESEARCH OF THE METHODS FOR OPTIMIZING ENERGY CONSUMPTION IN IEEE 802.15.4 PROTOCOLS
Katin P.V., Mishyn O.Yu. ANALYTICAL CALCULATION OF THE SPECTRUM OF A PULSE WIDTH MODULATED SIGNAL
Levchenko D.S., Baranov E.O., Gavryliuk A.O., Malyi O.Yu. STRUCTURE AND MAIN COMPONENTS OF MODERN UNMANNED AERIAL VEHICLES FOR AUTONOMOUS TASKS
Lutsiuk A.V. PREDICTIVE MONITORING OF INFORMATION AND COMMUNICATION SYSTEMS USING A SPECIALIZED MACHINE LEARNING MODEL
Petrovskyi A.A. SEGMENTATION OF SATELLITE IMAGES USING A BINARY TREE-BASED NAIVE BAYES CLASSIFIER
Sarazhynskyi V.A., Lebedev D.Yu., Antonyuk A.I. IMPLEMENTATION OF A CONSTRAINED RANDOM ALGORITHM FOR VERIFICATION OF THE DMA CONTROLLER MODULE SYNTHESISED IN HARDWARE
DESCRIPTION LANGUAGES
POWER ENGINEERING
Belyanovskaya E.A., Sukhyy K.M., Serhienko Ya.O., Yeromin A.O., Prokopenko O.M., Frolova L.A. OPERATIONAL PROCESSES OF ADSORPTION CONDITIONER BASED ON "SILICA GEL – SODIUM SULFATE" AND "SILICA GEL – SODIUM ACETATE" COMPOSITE ADSORBENTS157
Nikolaenko Yu.E., Khairnasov S.M., Khoperskyi S.V., Sorokin V.M., Pekur D.V., Kozak D.V., Kovalev O.S.
DEVELOPMENT OF A NEW DESIGN OF COOLING SYSTEM BASED ON TWO-PHASE TECHNOLOGIES FOR A HIGH-POWER LED LIGHTING DEVICE
METALLURGY
Yefimova V.G., Yusina G.L., Smirnov Yu.O., Pilipenko T.M. ESTABLISHMENT OF THE CHEMICAL MECHANISM OF MODIFICATION OF NON-METALLIC INCLUSIONS IN MOLTEN STEEL USING ANALYTICAL RESEARCH METHODS
CHEMICAL TECHNOLOGY
Holovenko V.O., Prykhodko D.M., Koval D.S., Yasnohor M.V., Andriianova M.V. PHYSICAL-CHEMICAL CHARACTERISTICS OF PAINT MATERIALS WITH REDUCED CONTENT OF VOLATILE ORGANIC COMPOUNDS

Kovalyov O.S., Litynska M.I.	
CHROMOGENEIC COMPOUNDS FOR DETERMINING THE CONTENT OF NICKEL	
AND LEAD IONS IN WATER SAMPLES AND SOIL EXTRACTS	180
Malynovskyi V.V., Mitina N.B.	
TECHNOLOGY OF GETTING SOIL IMPROVER BY AEROBIC COMPOSTING	186
Melnyk V.D., Bandura V.V., Yatsyniak I.I., Vatseba B.V., Hlibchuk A.B.	
EFFICIENCY EVALUATION OF MULTIMEDIA CONTENT INTEGRATION	
AT THE LEVEL OF THE EXPERT SYSTEM SHELL	193
Melnyk L.I., Sviderskyi V.A., Kolobovnikova Ye.A.	
GRANULOMETRIC COMPOSITION AND CONCENTRATION OF ANDESITE AS FACTORS	
INFLUENCING THE PROPERTIES OF POLYMER COMPOSITES	201
Savitskyi D.O., Kyrylenko M.I., Maizelis A.O.	
COMPARISON OF THE RESISTANCE TO DEGRADATION OF SINGLE-LAYER	
AND MULTI-LAYER COATINGS BASED ON ZN-NI-CU ALLOYS	207
Semychayevsky S.V., Nesenyuk L.P.	
ON THE RESEARCH OF THE FIRE HAZARD OF THE TECHNOLOGICAL PROCESS	
IN MACHINE ROOMS OF NUCLEAR AND THERMAL POWER PLANTS	213
Skyba M.I., Kovalenko I.L., Skyba Yu.M., Kuntz D.V., Kuprin M.O., Vorobiova V.I.	
FUNCTIONALIZATION OF PLASMACHEMICALLY OBTAINED GOLD NANOPARTICLES	
FOR THE COLORIMETRIC DETERMINATION OF EXPLOSIVE NITRO-AROMATIC SUBSTANCES2	220
TECHNOLOGY OF FOOD BROCEGGING	
TECHNOLOGY OF FOOD PROCESSING	
AND CONSUMER GOODS INDUSTRY	
Dmytrenko N.V., Husarova O.V.	
INFLUENCE OF MICROWAVE TREATMENT ON PHYSICAL PROPERTIES OF APPLE PARENCHYMA	
TISSUES, CONVECTIVE DRYING AND ORGANOLEPTIC PROPERTIES OF CHIPS	226
INFORMATION ABOUT AUTHORS	234
IN ORMATION ADOUT NOTHORS.	234