CONTENTS

POWER ENGINEERING Abdulin M.Z., Kunyk A.A. SINGLE-FUEL BURNERS AND BURNERS WITH COMBINED FUEL, DIFFERENCES Dulskyi A.I., Siryi O.A. CFD MODELING OF THE COMBUSTION PROCESS Yaroshevvch M.V., Solomakha A.S. STUDY OF THE VENTURI CAVITATION NOZZLE FOR OBTAINING A WATER-FUEL EMULSION 13 **CHEMICAL TECHNOLOGY** Vorobjova V.I., Skiba M.I., Linyucheva O.V., Vasilyev G.S., Vinnichuk K.V. EVALUATION OF THE ELECTROCHEMICAL PROPERTIES OF IONIC LIQUIDS BASED ON CHOLINE CHLORIDE, BETAINE, AND PROLINE FOR THE CREATION Kontsevov A.L., Orestova M.V., Kontsevoi S.A. Maizelis A.O. CATALYTIC ACTIVITY OF CONSTITUENT LAYERS OF MULTILAYER COATINGS Melnvk L.I. FEATURES OF MECHANICAL CHARACTERISTICS OF POLYMER Movchaniuk O.M., Ostapenko A.A. INCREASING THE STRENGTH OF PAPER FOR CORRUGATING FROM SECONDARY Semychaievskyi S.V., Prysiazhniuk V.V., Volodchenko M.A. Skyba M.I., Skyba Yu.M., Zaluzhnyi D.S., Vorobiova V.I. EFFECT OF TITANIUM DIOXIDE SURFACE MODIFICATION WITH NANOSILVER ON PHOTOCATALYTIC PROPERTIES: DEGRADATION OF TETRACYCLINE **TRANSPORT** Akmaldinova V.Ye., Volkovska H.H. AVIATION SAFETY ASSESSMENT AND FORECASTING: Bernevek T.I., Prokhorov V.K. INTEGRATION OF THE MARITIME TRANSPORT SYSTEM Doshchenko H.G., Nahovskyi D.A. IMPLEMENTATION OF THE SPACE-VECTOR PULSE-WIDTH MODULATION UNIT Kyryllova O.V., Kyryllova V.Yu., Mahamadov O.R. THE CONCEPT OF "SMART PORT" IN THE CONTEXT OF GLOBAL TRENDS OF INTEGRATION OF INTELLIGENT TRANSPORT AND INFORMATION TECHNOLOGIES

Reshetkov D.M., Larina I.M.	Reshetkov	D.M.,	Larina	I.M.
-----------------------------	-----------	-------	--------	------

IMPACT OF DIGITALIZATION PROCESSES ON IMPROVING	
THE QUALITY OF CARGO AND VEHICLE SERVICE IN SEA PORTS	.95
Silvanskaya G.N., Shibaev A.G., Petrichenko Ye.A., Karp G.V.	
MAIN TRENDS IN THE DEVELOPMENT OF THE CURRENT CRUISE AND LINER	
SHIPPING MARKET	.100
Trushevsky V.E.	
FEATURES OF THE TRAFFIC LIGHTS REGULATION IN SEPARATE DIRECTIONS	
LOCATION AND CONNECTION	113
Fomin O.V., Baranov I.O., Miroshnykova M.V.	
DEVELOPMENT OF DIAGNOSTIC SUPPORT FOR NON-CONTACT THERMAL CONTROL	
OF RAILWAY ROLLING STOCK BRAKES	.119
Fomin O.V., Shaban V.Ye., Baranov I.O., Miroshnikova M.V.	
IMPROVING THE EFFICIENCY OF INTERNATIONAL ROAD FREIGHT TRANSPORTATION	126
GEODESY	

GEODESY

Rusina N.G., Bida P.I., Petrova O.M., Kushniruk O.M., Bulakevych S.V. ON THE QUESTION OF THE DEVELOPMENT OF WORKING PROJECTS BY THE LAND INSTITUTE REGARDING THE PROTECTION OF LANDS AGAINST EROSION IN UKRAINE.....133

ELECTRONICS

Palahin V.A., Kogdas M.H., Sytnik V.Yu., Donskih O.V.	
A MATHEMATICAL MODEL IS PRESENTED WHICH ELUCIDATES THE RELATIONSHIP	
BETWEEN THE STRUCTURE OF POROUS SILICON AND THE YOUNG'S MODULUS	.140
Tereshchenko T.O., Yamnenko Yu.S., Kushchynsky E.O., Yemets O.O.	
COMPARISON OF IMAGE COMPRESSION ALGORITHMS BASED ON WAVELETS	.148
COMPARISON OF IMAGE COMPRESSION ALGORITHMS BASED ON WAVELETS	.148

INFORMATICS, COMPUTER ENGINEERING AND AUTOMATION

Yanko A.S., Laktionov O.I., Mykhailichenko O.V., Kruk O.O.	
ANALYSIS AND WAYS OF IMPLEMENTATION OF MINE CLEARING TOOLS	
ON A ROBOTIC PLATFORM	
INFORMATION ABOUT AUTHORS	