

Content

ARCHITECTURE

Kryvoruchko N. I., Mhaikl Hala K.	Comprehensive Approach To the Formation of the Architectural Environment of Reha- bilitation Centers 3
Potapchuk I. V.	Design of Multi-Storey Residential Complexes In the Towns of Ukraine (On the Example of the Town of Rivne) 23
Mahei A. S.	Vitoslavskiy–Lvovyi Palace – the Jewel of Podilia Neo-Gothic Estate Architecture 35

HYDRAULIC ENGINEERING

Rokochynskiy A. M., Volk P. P., Prykhodko N. V., Dereviahina N. I.	Assessment of the Current State of Climatic Conditions, Their Changes and the Impact On the General Natural Reclamation Regime of Drained Lands of the Polissia Region of Ukraine 48
Kuzmych L. V., Voropai H. V., Kuzmych A. A., Polishchuk V. V., Kuzmych S. A.	Concept of Construction of the Automated System of Remote Monitoring and Control of the Technical State of Objects of Engineer- ing Infrastructure of the Water-Land Recla- mation Complex 65
Khlapuk M. M., Bezusiak O. V., Volk L. R.	To the Theory of Turbulence of Flow In Pipes 76
Voloshchuk V. A., Kosynska I. E., Yushchuk B. V.	Modeling of Manifestations of Weather and Climatic Conditions and Their Impact On the Efficiency of the Energy Sector On a Long- Term Basis 93

Pokhylchuk I. O., Tymeichuk O. Yu., Kostiuk O. P.	Investigation of the Process of Leaking Liquid From Vertical Cavity of a Rotating Part ... 106
Volkova L. A., Kozishkurt S. M.	Increasing the Potential of Reclaimed Sod-Podzolic Soils on the Example of Rivne Region 117
Hurtyna L. H., Plytus R. M., Khlapak M. M., Shuminskyi V. D.	Use of Concrete Canvas «Concrete Canves» In Construction and Repair of Hydrotechnical and Other Structures 127
Gopchak I. V., Basiuk T. O., Kovalov I. O.	Assessment of Anthropogenic Load on the Lypa River Basin 147

ENGINEERING SCIENCE

Lukianchuk O. P.	Analysis of the Traction Resistance of a Multi-Tier Ripper With Various Configurations 158
Strilets O. R., Andrushkov V. I., Strilets V. M., Kliuiko V. V., Shkadiuk D. O.	Structure, Principle of Operation and Calculations of the Elastic Bilateral Coupling 168
Yastremskyi S. V., Pikula M. V.	Parametric Calculation Investigations of Battery Fuel System With Electrically Controlled Hydraulic Pump-Injector With Delay Unit 187
Strilets O. R.	Algorithm For Designing a Device For Speed Change Through a Sun Gear of A Gear Differential With a Closed-Loop Hydraulic System 194

MINING

Bachurin L. L., Iordanov I. V., Bessarab I. M., Korol A. V., Kaiun O. P., Podkopaiev Y. S., Demchenko O. V., Tkachuk O. M.	Comprehensive Research of the Stability of Haulage Drifts on Steep Coal Seams In Dif- ferent Protection Methods 217
---	---

SURVEYING AND LAND MANAGEMENT

Yanchuk O. Ye., Shulhan R. B., Dets T. I.	Expert Monetary Evaluation of Land Plots For Industrial Purposes Based on the Eco- nomic and Statistical Modeling 237
Yanchuk O. Ye., Trokhymets S. M., Dmytriv O. P.	Research of Accuracy Three-Dimensional Models Created Using Photographs 248

APPLIED MATHEMATICS, COMPUTER SCIENCE AND COMPUTER ENGINEERING

Kinda V. V.	Work With Time Series. Components of Time Series and Statistical Characteristics 259
Shakhraichuk M. I., Voitovych I. S., Shynkarchuk N. V., Petrenko S. V.	Internet of Things Technology For Tracking the Parameters of Patients With Coronavirus Disease 267
Bomba A. Ya., Boichura M. V., Michuta O. R.	An Approach to Increase the Accuracy of Conformal Mapping of Complex Potential Domains Into Physical Domains 285

Bachyshyna L. D., Kunderenko D. I.	Web-Site's Users' Expectations Transformation Based On Online Pharmacy	300
---------------------------------------	--	-----

CIVIL SECURITY AND OCCUPATIONAL HEALTH

Turovska H. I.	Safety Assessment of the Working Environment With the Potential Risk Analysis To the Workers' Health	316
Dovbenko T. O.	Features of Development, Formation and Organization of Working Conditions	328

WATER SUPPLY AND WASTEWATER DISPOSAL

Davydenko N. V., Davydenko V. A., Davydenko L. V.	Formation of the Output Information Field of Energy Efficiency Monitoring of Water Supply Facilities of Ukraine	338
Trach Y. P.	Point of Zero Charge and Kinetic Sorption of Mn ²⁺ Zeolite Sokyrnytskiy Quarry	355

ELECTRICAL ENGINEERING AND AUTOMATION

Naumchuk O. M., Sydorчук B. P., Mazurek Paweł	Investigation of the Impact of Electromagnetic Emissions On the Environment In the City of Rivne	370
Litkovets S. P.	Improvement of the Method of Multicoordinated Control Over the Static Thyristor Compensator With Forced Commutation	380

CONSTRUCTION AND CIVIL ENGINEERING

Dvorkin L. Y., Nikhaeva L. I., Myronenko T. V.	Adhesive Strength of Modified Cement and Ash Solutions	394
--	--	-----

Romaniuk V. V., Supruniuk V. V., Bezniuk L. I.	Tensionally Deformed State of Inseparable Perforated Beams Near Intermediate Supports 405
Kuzlo M. T., Guivan E. F.	Assessment of the Condition of Existing Road Clothes on Sections of the Road 417