

ЗМІСТ

<i>Bula S.S., Boiko R.O.</i> History and future of full-scale fire tests.....	3
<i>Demjan I., Tomko M.</i> Calculation of the dynamic response of reinforced concrete structures subjected to the effects of heavy transport	12
<i>Domnita F., Kapalo P.</i> Head loss calculation in ventilation networks using the equivalent resistance (equal friction) method	21
<i>Dovbush O., Yaroslav V.</i> Resistance and flow characteristics of free air flowing through end vent hole of cylindrical pipeline in unlimited space.....	26
<i>Dubravský M., Mandula J.</i> Warm mix asphalt with natural zeolite for road pavements	32
<i>Estokova A., Kovalcikova M.</i> Concrete composites resistance in sulphur environment	37
<i>Fialko N.M., Prokopov V.H., Alyosha S.A., Sherenkovskyy Y., Meranova N.A., Polozenko N.P., Malecki A.E.</i> Performance analysis of cooling stabilizing burners for different stress boiler unit.....	43
<i>Fialko N.M., Zhelyh V.M., Dzeryn O.I.</i> Modeling of thermal regime of manufacturing premises using graph theory	47
<i>Holubka M., Salaiova B.</i> The use of crushed rubber in asphalt mixtures of road pavements	51
<i>Hrehorowicz-Gaber H., Sikora A.</i> The dynamics of human-induced transformations of landscape in the sub-mountainous /Podgórze/ region on the example of metropolitan areas in south-east Poland.....	56
<i>Junak J., Stevulova N.</i> Natural aggregate replacement by recycled materials in concrete production	63
<i>Kapalo P.</i> Analysis of ventilation rate and concentrations of carbon dioxide in the office	69
<i>Karelová Z., Vranayová Z., Káposztásová D., Purcz P.</i> Risk analysis for RWH system and its verification by mathematical methods	74
<i>Katunský D., Lopusniak M., Bagoňa M., Vertal' M., Vašková, A., Zozulák M., Kondáš K.</i> Envelope structure materials experimental research in non-stationary thermal-humidity conditions.....	78
<i>Kmeť S., Tomko M., Demjan I.</i> Experimental diagnostics and static assessment of fire damaged steel structure.....	85
<i>Knizova K., Kovac M.</i> Influence of natural and mechanical ventilation on elimination of heat load in the loft space.....	95
<i>Košičanová D., Sedláková A.</i> Energy performance of buildings - economic evaluation	101
<i>Kozłowska M., Župová L.</i> Precondition for wider use of prefabricated construction methods	105
<i>Kozłowski A.</i> Predesign of steel frames with semi-rigid joints.....	110
<i>Kuliczowska E., Gierczak M.</i> Failures of sewer pipes made of PVC	118
<i>Kušnír M., Kapalo P.</i> Photovoltaic system and energy demands of the office building.....	129
<i>Kvočák V., Dubecký D., Spišák M.</i> The composite section analysis of encased beams with closed shape.....	135
<i>Labay V.Y., Labay O.V., Harasym D.I., Omelchuk O.V.</i> Exergy effective regimes of exploitation of air split-conditioners of firm “LG”	140
<i>Lesik Ch.R., Zhelyh V.M., Pashkevych V.Z.</i> The investigation parameters of room microclimate with an installed thermosyphon solar collector	144
<i>Licholai L., Szyszka J.</i> Possibilities of the aerogel application in building	148
<i>Lis A., Ujma A.</i> Building energy efficiency improvement after thermomodernization.....	153
<i>Melnyk A.Y., Poznyak O.R., Soltysik R.A.</i> Non-autoclaved aerated concrete produced using industrial wastes	161
<i>Mitrofanov V.P., Pinchuk N.M., Mitrofanov P.B.</i> The main design conceptions of concrete structures in the ADM model code	167
<i>Nič M., Sojková V.</i> Documentation of building research by fotogrammetry.....	176

<i>Niemiec W., Stachowicz F., Trzepieciński T.</i> New machines for energy willow harvest in small plantations	185
<i>Ondova M., Stevulova N., Meciarova L.</i> X-ray fluorescence method and thermal analysis of concrete prepared based on a share of fly ash and various chemical admixtures	193
<i>Ondrejka Harbul'áková V., Zeleňáková M.</i> Technical measures of riverbank stabilization in engineering practice	200
<i>Ordon-Beska B.</i> Load-carrying capacity of reinforced concrete plates according to different yield criteria	207
<i>Pisarek Z.</i> Experimental tests of T- stubs with four bolts	215
<i>Piznak B.I., Zhelykh V.M., Pashkevych V.Z.</i> The economic efficiency of the use of polymeric materials in the design of solar collectors	224
<i>Podmanický P., Hyben I.</i> Adopting building information modeling for facility management	228
<i>Poneta P., Kulpa M., Siwowski T.</i> Material and performance research on the FRP composite bridge girder	235
<i>Prokopska A., Kret K., Labuda I.</i> Contemporary architecture as a result of development of ecological building technologies and computer aided design	243
<i>Rybka A.</i> Safety in urban public spaces	250
<i>Rybka A., Szybka K.</i> Architecture of rehabilitation facilities for people with visual impairments	254
<i>Rybka A., Tylutki K.</i> The design of the building for didactic in the tissue downtown Rzeszow	260
<i>Sanytsky M., Rusyn B., Halbiniak J.</i> Effect of ultrafine fly ash on the properties of high performance concretes	266
<i>Sedláková A., Vojtuš J., Krídlová Burdová E.</i> Environmental assessment and material solutions of a residential model design concept for research purposes	272
<i>Shinder V.K., Volotsyuga V.V., Shinder Yu.V.</i> Recommendations to the probabilistic strength estimation of normal sections of the roadway bridge plate-gilled system	279
<i>Stevulova N., Kidalova L., Cigasova J., Junak J.</i> An experimental study of parameters affecting physical and mechanical properties of hemp composites	283
<i>Sukholova I., Spodyniuk N.</i> Researching of air supply device efficiency which creating swirl and spread air jets in poultry houses	288
<i>Szpytma C.</i> New challenges for contemporary architecture: interdisciplinarity – innovation – social communication	292
<i>Tažiková A., Kozlovská M.</i> Effect of the construction cost calculations to the sustainable development of buildings	298
<i>Uglenko E., Voronova Ye., Uzhvieva E., Gavrish V.</i> Physical principles of small space settlements roadside area pollution forecasting	304
<i>Voznyak O.</i> Air distribution by interaction of counter non coaxial air jets at pulsing mode	310
<i>Voznyak O., Dacko O., Shapoval S.</i> Rise of use effectiveness of solar energy in solar systems	315
<i>Waszczyszyn Z., Ziaja D., Kłos M.</i> Application of the method of gaussian processes to identification problems of structures and soil mechanics	321
<i>Yurkevych Y., Savchenko O.</i> Justification for use of energetic separators for gas distributive stations	328
<i>Zhelykh V.M., Furdas Y.V.</i> Improvement of thermal characteristics of household bioreactor	333