













## Program:

## Wednesday, April 17, 2024

10.00 – 12.00	Registration
12.00 – 14.00	-
Chairs:	Congress hall Zuzana Vranayová - Denis Konovalov
14.00 – 14.10	Opening of the conference  Dušan Katunský, Dean of the Faculty of Civil Engineering
14.10 – 14.20	Michal Gorás, František Vranay  Use of renewable sources with thermal accumulation of solar energy for the energy consumption of buildings
14.20 – 14.30	Pavol Knut, Mária Kocúrková, Štefan Petkanič Survey of biosolar roofs in the world
14.30 -14.40	Zuzana Dická The impact of shading by vegetation on the level of daylight in buildings
14.40 -14.50	Štefan Gorás, Dušan Katunský Restoration of historic buildings from daylight perspective
14.50 -15.00	Kristián Hutkai, Dušan Katunský, Richard Baláž  The effect of internal insulation on the course of temperatures in the perimeter wall
15.00 -15.30	Coffee break
15.30 -15.40	Ján Domanický, František Vranay  The reduction of the energy demand of a hall-type object through vegetative roof constructions.
15.40-15.50	Ivana Halászová, Mária Kozlovská  Perception of a remodular sustainable building unit using in a university campus environment: A Questionnaire Survey
16.00-16.30	Sponsor presentation Peter Serfözö Construction of the Volvo Industrial Park in Valaliky
16:30-17:30	Sponsor presentation  Miroslav Garaj  Využívanie prostriedkov digitalizácie v stavebníctve
19.00	Welcome drink, Dinner









## Thursday, April 18, 2024

Chairs:	Congress hall
	Andrej Šoltész - Samuel Berezňanin
	Wael Almikaeel, Lea Čubanová
9.00-9.10	Unraveling Seasonal Dynamics: Inter-Station Correlations and Hydrological Assessments of Topl'a River in the Bardejov Basin
0.10.0.00	Crisan Claudia Alice, Vermesan Horatiu
9.10-9.20	Natural gums as green corrosion inhibitors for mild steel
	Marián Dobranský
9.20-9.30	Hydrotechnical Assessment of the Flow of the Hnilec River in the town of
	Gelnica
9.30-9.40	Juraj Mušuta
	Deformation characteristics of asphalt mixtures
0.40.0.75	Miriama Čambál Hološová, Adriana Eštoková  Chamical Parameter Changes of Compatible after Sulphate
9.40-9.50	Chemical Parameter Changes of Cement Composites after Sulphate Corrosion
	Muhammad Merei
9.50-10.00	Empowering Communities for Sustainable Water Management: Insights
	from Justdiggit and the Paani Foundation
	Roumiana Zaharieva, Yana Kancheva, Daniel Evlogiev, Nikolay Dinov
10.00-10.10	Pre-demolition audit as a tool for appropriate CDW management - case study of a public building
	Kostiantyn Sokolchuk
10.10-10.20	Permeable Pavement for Flood Risk Reduction: Case Study of Trebišov, Slovakia
10.00.10.20	Andrea Hrubovčáková, Peter Mésároš, Marcela Spišáková
10.20-10.30	A Comprehensive Research Study on Digital Tools in Building Renovation
10.30-10.40	Ján Brindza, Ján Erdélyi, Peter Kyrinovič
10.00 10.40	The preliminary findings from tests of the mobile mapping system
10.40-11.00	Coffee break
Chairs:	Congress hall
	Vojtěch Václavík - Mária Grazianová
	Alexander Jiponov, Lazar Georgiev
11.00-11.10	Sheet pile walls as a part of the substricture of bridges. Practical
11.00 11.10	applivation in denmark.
	Pavlo Vegera, Viktor Borzovič, Zinoviy Blikharskyy
11.10-11.20	Experimental data of RC beams shear strength with different shear span
	and strengtnening by FRCM system
	Klymenko Yevhenii, Shapoval Larisa, Grynyova Iryna, Borzovic Viktor
11.20-11.30	Analysis of the calculation and experimental method for determining the
	bearing capacity of stone structures











11.30-11.40	Michala Weissová, Vincent Kvočák, Daniel Dubecký, Lukáš Kapolka  Comparative Analysis of Fractional Coefficient in GFRP and Concrete for
	Enhanced Shear Connector Performance
	Pellumb Zogu, Markus Schäfer
11.40-11.50	Reliability assessment of composite column according to Monte Carlo Simulation and Latin Hypercube Sampling
	Žiga Unuk
11.50-12.00	Nonlinear Semi-Numeric Analysis of Three-Point Bending Tests of Notched Polymer Fiber-Reinforced Concrete Prisms
	Elvira Hodovanets, Vincent Kvočák
12.00-12.10	Comparative analysis of calculations in thin-walled structure design
12.10-12.20	Aset Madiev, Ján Erdélyi, Richard Hont
	Planes geometry verification program written in Python.
12.20-14.00	-
14:00	Coffee break
1400 15:00	Destay and the
14.00-15:00	Poster section
	Kamila Kotrasova - Mária Kocúrková
1.	Vorlíčková Petra, Kalousek Miloš
1.	Increase the internal surface temperature to eliminate surface condensation on the window
_	Dominik Verčimák, Alena Sičáková
2.	Fine proportions of recyclates from demolition waste in terms of
	functionality and potential for use in construction mixtures
2	Drahorádová Nikola, Ujházy Martina, Kučerová Radmila, Sezima Tomáš
3.	Use of physical pretreatment and biodegradation for the removal of
	antidepressants and psychiatrically active substances from wastewater
4	Jan Jeřábek
4.	Aspects and optimization of the mixture for high performance concrete
5.	Alexandra Vidová, Lea Čubanová
5.	Variant proposal of the fish passage using technical and close to nature
	approach
,	Katarzyna Klejnowska, Waldemar Mijał, Joanna Gołębiewska-Kurzawska,
6.	Julianna Strzelczuk
	Recycling of end-of-life PV panels - a review of technologies
7.	Radoslav Gandel, Jan Jeřábek, Jaromír Vařák
/.	The influence of the use of recycled rubber in concrete on its selected
	properties
8.	Dawid Sojka, Kr. Pikoń, K. Klejnowska and M. Lewandowska
	Research of the possibility of separating hydrophobic gel used in gel
	cables from metal and plastics using wet methods
9.	Procházka Lukáš, Brázdová Adéla
7.	Surface modification of alkali-activated materials with regard to durability
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10.	Martin Marek, Zdeněk Krejza
	Sustainable building: Circular economy as a key factor for cost reduction
11.	Oblouková Aneta, Vítková Eva
	Pricing of water and sewerage charge rates of a selected water
	management company in the Czech Republic – A case study
12.	Stanislav Blaho, Katarína Gajdošová
12.	FEM analysis of FRP RC members
15.00-15.30	Sponsor presentation
	Metrostav Slovakia a.s.
17.00-17.30	Closing of conference sesions
19.00	Competitions, Informal discussion

## Friday, April 19, 2024

Chairs:	Congress hall Kamila Kotrasova - Jana Budajová
10.00-10.10	Jana Budajova The circularity of roof constructions
10.10-10.20	Alena Vargová, Marian Vertaľ  The wetland as an element of the roof garden
10.20-10.30	Mária Kocúrková, Pavol Knut  Vegetation facades from a physics perspective
10.30-10.40	Denis Konovalov, Dušan Katunský, Jozef Švajlenka Information model of the building and its application in selected phases of the life cycle
10.40-10.50	Samuel Berezňanin, Mária Kozlovská  The potential of prefabricated technologies for rental housing
10.50-11.00	Peter Mésároš, Maria Grazianova  Cultural heritage management from traditional methods to digital systems:  a review from BIM to digital twin
11.00-12.00	Discussion









