

SLOVAKIAN UNIVERSITY OF TECHNOLOGY IN BRATISLAVI

SHEI "PRYDNEPROVSKA STATE ACADEMY OF CIVIL ENGINEERING AND ARCHITECTURE"

DNIPROPETROVSK NATIONAL UNIVERSITY OF RAILWAY TRANSPORT

UKRAINIAN ACADEMY OF CONSTRUCTION

CONSORTIUM OF UNIVERSITIES FOR THE AIM OF SUPPORTING IDEAS OF SUSTAINABLE DEVELOPMENT IN EDUCATION, SCIENCE AND TECHNOLOGY

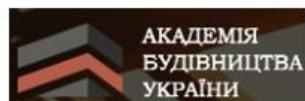
ALLIANCE OF CHINESE-CENTRAL EUROPEAN UNIVERSITIES IN THE FIELD OF SCIENCE AND TECHNOLOGY

UKRAINIAN-AMERICAN ALLIANCE OF EMPLOYEES OF HIGHER EDUCATION

PRIVATE CONSTRUCTION-BUILDING ENTERPRISE "BUILDER P"

SLOVAKIAN CHAMBER OF BUILD ENGINEERS

INVITATION



Slovakia, Bratislava

DEAR COLLEAGUES!

*We invite you to take part in the International Scientific and Practical Conference
"SUSTAINABLE HOUSING AND HUMAN SETTLEMENT ", which will be held on May 21-25, 2018
at the Slovak University of Technology in Bratislava*

LOCATION OF THE CONFERENCE

Slovak University of Technology in Bratislava, Faculty of Civil Engineering, Bratislava, ul. Radlinského 11

CONFERENCE TOPICS:

- *Urban Agenda for Sustainable Development. Environmental city and human settlement as part of the ecosystem. Agrarian and Building Clusters with closed cycle of material and energy flows. Smart city. Eco villages.*
- *Architectural, structural and technological systems for green buildings. Ecobuildings with renewable natural materials. Low-rise affordable buildings. Tiny houses. Earth sheltered houses. Floating buildings.*
- *Renewable energy. Heating, Ventilating, and Air-Conditioning (HVAC). Energy efficient, passive, zero energy (ZEB), active buildings.*
- *Building and finishing materials, technologies for green constructions. Renewable natural building materials: wood, hemp, flax, straw, sawdust, reed. Local materials: clay, soil, loam, sandy loam. Materials for 3D printing.*
- *Digital in Engineering & Construction. Building Information Modeling. 3D print technology.*
- *Economy: Physical, Circular, Green. Life Cycle Cost Analysis. The Costs and Financial Benefits of Green Buildings.*
- *Basic human needs. Medical and biological aspects of healthy lifestyle. Environmental Sustainability Index.*

PROGRAM COMMITTEE

Savytskyi M.	doctor of sciences, professor, vice-rector for the scientific work of SHEI PSACEA
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Stanislav Unčík	Prof. Ing. PhD, Dean, Faculty of Civil Engineering, STU
Stanislav Dukat	Prof. Ing., Arch., Faculty of Civil Engineering, STU
Nazarenko I.	President of the Ukrainian Academy of Construction, Doctor of Technical Sciences, Professor
Popov V.	Academician of the Ukrainian Academy of Construction, President of PBLM "Stroitel-P"
Vladimír Benko,	Prof. Ing. PhD, President Slovak of Chamber of Civil Engineers
Shmukler V.	doctor of sciences, professor, head Department of Building Constructions of Kharkiv National University of Municipal Economy named after O.M. Beketov
Danishevskyi V.	doctor of sciences, professor of the Department "System Analysis and Modeling in Heat and Gas Supply", SHEI PSACEA
Pereginec I.	Ph.D., director of the Inter-branch scientific and production cluster of innovative construction of the Ukrainian Academy of Construction

ORGANIZING COMMITTEE

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According to the results of the international scientific and practical conference "**Sustainable Housing and Human Settlements**" a **collective monograph** will be published. We would like to draw your attention to the fact that you can submit an article in the monograph till **April 20, 2018**.

The following sections are planned in the monograph:

Chapter 1. Ecological cities and ecological settlements as part of the ecosystem.

Chapter 2. Architectural-structural-technological systems for green building.

Chapter 3. Energy Efficient Buildings Using Renewable Energy.

Chapter 4. Construction and finishing materials, technologies of green building.

Chapter 5. Digital technologies in building engineering.

Chapter 6. Economics green building.

Chapter 6. Systems of environmental certification of buildings and structures.

General requirements for monograph materials

The section can have a maximum of three co-authors.

The text of the work must contain elements of scientific novelty, drawn up as a paragraph of the monograph, and not an article.

Materials for publication are accepted **in English**.

When quoting, a mandatory reference to the source (issued in square brackets).

The Organizing Committee will consider only the materials drawn up in accordance with the requirements and submitted within the specified period.

Requirements for the text of the materials

- The volume of the article - up to 10 pages of A4 format. Text editor - Microsoft Word for Windows.
- Fields: top, bottom, right, left 20 mm. Pages are not numbered.
- The headset: Times New Roman, the key is 14, the line spacing is 1.5, the paragraph is 15 mm.
- Drawings, charts, tables, flowcharts are executed using Microsoft Word tools, placed in the middle, printed in Times New Roman, 12-bit, line spacing - 1. All figures and tables should have a name. The name and numbers of the figures are indicated in bold after the drawings (Figure 1. Name), the names and numbers of the tables - italics appear above the tables (Table 1. Name). Tables, diagrams, drawings, formulas, graphs should not go beyond the specified fields. The references in the text on the figures and tables are made as follows: as shown in Fig. 1 in tab. 1. Drawings, charts, tables are created using a black and white scale. Scanned drawings and tables, color and background are not allowed.
- Formulas, symbols, variables encountered in the text should be typed as Microsoft Equation objects and numbered in parentheses on the right side.
- References (up to 15 sources, which are necessarily the references in the text) should be submitted at the end of the publication in order of reference to the source in square brackets. Kegl list of literature - 12 Bibliographic description is made in accordance with DSTU GOST 7.1: 2006. Footnotes are not allowed.

EXPERIMENTAL RESULTS OF SOILS THERMAL CONDUCTIVITY**First Author, Second Author, Third Author**

To assess the energy efficiency of earth sheltered buildings, it is necessary to have data on the thermal conductivity of soils. Since soils contain moisture, it is necessary to take into account changes in the thermal conductivity of soils with different phase states of water. Today, there are separate information on the thermal conductivity of soils [1 ... 13], but there is no generalized information about this physical characteristic...

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REFERENCES

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2. Minregion Ukrainy. Vyznachennia klasu naslidkiv (vidpovidalnosti) ta kategorii skladnosti obiektiv budivnytstva: DCTU N B V.1.2-16:2013 [State standard of Ukraine N B V.1.2-16:2013.The definition of the class of consequences (responsibility) and category of complexity for construction objects]. Kyiv, 2013, 37 p. Available at: <http://www.dbn.at.ua>. (in Ukrainian).
3. Yesypenko A.D. Pryntsypy formuvannia systemy utrymannia ta remontu budynkiv, sporud ta inzhenernykh merezh [Principles of formation of system of maintenance and repair of buildings, structures and engineering networks]. Budivnytstvo Ukrainy [Construction of Ukraine]. 2006, no. 1, pp. 36-38. (in Ukrainian).
4. Derghavna slughba statystyky Ukrainy. Zhytlovyi fond Ukrainy [The housing fund of Ukraine]. J. Derghavna slughba statystyky Ukrainy Statystychna informatsiia. Naseleannia ta ghytlo. [State department of statistic of Ukraine. Statistic information. Population and housing]. Available at: <http://www.ukrstat.gov.ua>. (in Ukrainian).

*Together with the materials of the monograph you must submit a separate file with the information about the authors (indicate the position, organization, degree, scientific degree, e-mail address, mobile phone, ORCID ID)