

## ORGANIZER OF THE CONFERENCE

KYIV NATIONAL UNIVERSITY  
OF CONSTRUCTION AND ARCHITECTURE

### ORGANISING COMMITTEE

Dniprov Oleksii (Chairman)  
Chernyshev Denys (Co-Chairman)  
Kovalchuk Oleksandr (Deputy Chairman)  
Ploskyi Vitalii (Deputy Chairman)  
Derevynskyi Vasyl (Scientific Secretary)  
Skochko Volodymyr (Head of Working Committee)  
Lavrukhnina Kateryna (Head of Technical Committee)  
Kozhedub Serhii (Head of Editorial Committee)

Bilous Alona  
Vekslarska Tetiana  
Velychko Svitlana  
Volters Andriy  
Honchar Olha  
Honcharenko Tetyana  
Denysenko Nataliia  
Dolhopolov Serhii  
Yehorov Vladyslav  
Zdetovetska Nataliia  
Ivakhnenko Iryna  
Kashchenko Tetyana  
Kelt Roman  
Klys Maksym  
Kozhedub Kateryna  
Koliakova Vira  
Kononenko Alona  
Kulinko Yevhen  
Martynovskiy Kyrylo  
Mykhailovskiy Denis  
Mykhalova Mariia  
Mishchuk Dmytro  
Mishchuk Yevhen  
Omelianenko Maryna  
Pasichnyk Kateryna  
Pidlutskyi Vasyl  
Pogosov Oleksandr  
Posikera Andrii  
Prymachenko Oleksii  
Saienko Serhii  
Slusar Volodymyr  
Tonkacheiev Vitalii  
Fesan Volodymyr  
Tsyfra Tetiana  
Chepurna Nataliia  
Chernenko Anatolii  
Chornukha Anastasiia  
Shabala Yevheniia  
Shebanova Mariia  
Shovkivska Viktoriia  
Shpakova Hanna

## SCIENTIFIC COMMITTEE

Dniprov O. (Chairman) – Ukraine  
Chernyshev D. (Co-Chairman) – Ukraine  
Kovalchuk O. (Deputy Chairman) – Ukraine  
Ploskyi V. (Deputy Chairman) – Ukraine

Honcharenko T. – Ukraine  
Derevynskyi V. – Ukraine  
Ivakhnenko I. – Ukraine  
Kashchenko T. – Ukraine  
Klys M. – Ukraine  
Kovalska H. – Ukraine  
Kozhedub S. – Ukraine  
Koliakova V. – Ukraine  
Kochetov G. – Ukraine  
Lavrukhnina K. – Ukraine  
Mamedov A. - Ukraine  
Martynov V. – Ukraine  
Mykhailovskiy D. – Ukraine  
Mishchuk D. – Ukraine  
Nesterenko O. – Ukraine  
Omelianenko M. - Ukraine  
Perehuda Y. – Ukraine  
Pidlutskyi V. – Ukraine  
Pogosov O. – Ukraine  
Pochka K. – Ukraine  
Prymak O. – Ukraine  
Prymachenko O. – Ukraine  
Ryzhakova G. – Ukraine  
Skochko V. – Ukraine  
Tovbych V. – Ukraine  
Tuhai O. – Ukraine  
Tsyfra T. – Ukraine  
Chepurna N. – Ukraine  
Shpakova H. – Ukraine

## CONFERENCE WORKING LANGUAGES

ENGLISH,  
UKRAINIAN

### CONFERENCE REGULATION

- **Registration of the participants** – 05.11.2024, from 8<sup>00</sup> till 10<sup>00</sup>.
- **Opening of the conference, first plenary meeting** – 05.11.2024, at 10<sup>00</sup>.
- **Meeting of eight parallel sections** – 05 – 07.11.2024, from 10<sup>00</sup> till 17<sup>00</sup>.
- **Second plenary meeting, round table, Conference resolution adoption** – 07.11.2024.
- **Break** – 05 – 07.11.2024, from 13<sup>00</sup> till 14<sup>00</sup>.  
(Regulation may be subject to change)

### CONFERENCE EXPOSITIONAL PROGRAM

During the Conference, the participants will be given the opportunity to present scientific and technical developments, new building materials and products, scientific and methodical publications, etc. (*online*).

## CONFERENCE SCIENTIFIC PROGRAM

Theme of section meetings:

**SECTION 1. Architecture, Design and sustainable development in construction.** Theory of Architecture. Architectural design of civil buildings. Design of Architectural Environment. Landscape architecture. Architectural design. Information technologies in architecture, computer-aided engineering and design of architectural objects. Technical aesthetics, applied geometry. Energy and resource saving in construction and architecture. Green architecture. Sustainable development in architecture and construction.

**SECTION 2. Urban planning and land use planning.** Urban planning and land use planning. Urban planning information systems and City planning cadastre. Urban Construction and Management. Improving the efficiency of urban construction. Cadastre and land monitoring. Engineering geodesy, geoinformatics and photogrammetry.

**SECTION 3. Construction, materials and design technology of building production.** Structural mechanics. Building designs, buildings and constructions. Foundation Engineering. Numerical modeling of building structures. Construction materials and products. Construction Technology of production. Standardization and certification in construction..

**SECTION 4. Engineering systems, automated systems and environmental aspects of construction.** Heat and gas supply. Ventilation systems of buildings and constructions. Water supply and sanitation. Use of water and thermal energy resources. Automated systems and measuring systems. Electronics and electrical engineering. Ecological problems in construction and architecture. Technical thermal physics and industrial heat power. Energy efficiency of construction objects.

**SECTION 5. Construction vehicles and equipment.** Machines for the production of building materials and structures. Machines for earthworks, road and forestry engineering work. Handling machinery. Building Machinery Services.

**SECTION 6. Latest Vectors of Transformation in Economic-Management and Organizational Processes in Construction.** Management and Administration in Construction. Construction Development and Functional-Technological Modeling of Administrative Structures, Processes, and Environments of the Construction Project Based on BIM Tools. Construction Economics and Cost Estimation. Organization of Construction Production, Robotics. Commodity Science and Commercial Activity.

**SECTION 7. Information Technology.** Computer science. Information Technology. Information technology in education. Project and Program Management. Computer networks. Cybersecurity.

**SECTION 8. Historical, socio-cultural, political, legal and philosophical aspects of architecture and construction development.** Social-political development of society. Physical education and sports in the conditions of building production. History of Ukrainian culture. Pedagogy, philosophy and psychology of relationships in construction. Legal relations in construction and architecture.

**Plenary meeting (ROUND TABLE).** System solutions in design and construction. Energy saving and ecological concepts in the new architecture. Modern training and information projects construction industry.

## CONFERENCE OBJECTIVE

Comprehensive exchange of experience in designing, new construction, restoration, reconstruction and repair of buildings and structures, as well as restoration of architectural objects. Popularization of the principles of green architecture and construction, as well as the basic tasks of sustainable development. Dissemination of new and further development of already existing technologies aimed at increasing energy efficiency, resource conservation and environmental safety in architecture, construction and energy. Development of BIM design tools and methods, as well as rationalization of architectural, structural and engineering solutions at all stages of the life cycle of buildings and structures. Spread and development of advanced technologies of automated design and practical aspects of its application. Development and research of modern effective materials and construction and technological equipment. Increasing the qualification level of specialists in architectural and planning, calculation, construction and engineering and technical areas of training.

## PARTICIPATE IN THE CONFERENCE

1. **Registration** on the [conference site](#).
2. **Upload** the abstract as an attached file on the conference site.
3. **Transfer the registration fee** in the amount that corresponds to the established terms of registration.

## REGISTRATION OF PARTICIPANTS

Dear Colleagues!

For [participation](#) in the conference you should fill in the [online application form](#) on the conference website [bmc.knuba.edu.ua](http://bmc.knuba.edu.ua), which includes a report title, authors, abstract and selection of the thematic areas. It is necessary to upload abstracts according to the proposed sample on this site as an attached file. This can be done during the registration and thereafter.

**The language of registration – is English or Ukrainian.**

You will be sent a separate letter about the registration of the participant.

## REQUIREMENTS OF ABSTRACT SUBMISSION

After registration for participation in the conference you need [to download abstracts](#) as a attached file, using your registration data. For necessity, the information provided by you, can be edited. Abstract's file you need to load in format MS Word («\*.doc» or «\*.docx»).

You will be sent a separate letter about obtaining the Editorial Board of abstracts.

[Requirements and design](#) of template for abstracts can be downloaded from the conference website. The abstract is two pages. Please note that the maximum number of authors of one report - no more than four. **One scientist cannot be the author (co-author) of more than two theses.** For necessity, the information provided by you, can be edited.

Title should be short and reveal the main essence of the research which will be presented in the report.

### Attention!

1. The content of abstracts materials are previously considered by the organizing committee. The organizing committee reserves the right to reject an application for participation in the conference due to non-fulfillment of registration order, discrepancy theme of the report to conference areas, or via lack of novelty. Responsibility for the content and editorial of abstracts relies on the author.

2. The registered participant of the conference (to whom the ID is given) is everyone who provided the full registration data of the participant and the registration fee within the deadlines.

3. Accommodation, meals, travel tickets, as well as various cultural events are covered by the participants at their own expense.

## DEADLINES FOR REGISTRATION. REGISTRATION FEE AMOUNT

- **The registration fee for participation in the conference is UAH 100.**
- **KNUBA students' publications are placed in the materials of the conference FREE OF CHARGE**
- **REGISTRATION OF PARTICIPANTS** – to fill in the online application form on the conference website.
- **ABSTRACTS ADMISSION** – upload abstracts [at the conference website](#) as an attached file (*to enter your ID and password*).

This amount of registration fees is intended for the organization, holding and technical support of the conference.

**Note:** The Organizing Committee could make adjustments in the conference program according to the content of applications and materials for publication.

## REQUISITES

Charitable organization "Development Fund of Kyiv National University of Construction and Architecture (KNUCA)",  
03680, Kyiv, Povitrianykh Syl ave., 31.

ЄДРПОУ 38675230, MFO 320649  
PJSC CB «PrivatBank»  
UA86305299000026009035020297

When paying, please indicate the name, ID of the registration of participants and the purpose of payment:  
– *Voluntary donation to perform statutory tasks (participation in the conference BMC-2024).*

**For payment** contact ph.:  
+38 (066) 460-00-01, Shovkivska Viktoria

**Contacts:** <https://bmc.knuba.edu.ua/>  
Phone: +38 095-360-38-85

**How to get from railway station:** from the stop "Railway station" South "- to stop" str. Osvita" by taxi No. 401 or No.223. For more travel options, please, visit the [website of Kyiv National University of Construction and Architecture](#) or [website of the conference](#).

MINISTRY OF EDUCATION  
AND SCIENCE OF  
UKRAINE

KYIV NATIONAL  
UNIVERSITY OF  
CONSTRUCTION AND  
ARCHITECTURE



# INVITATION

TO PARTICIPATE IN SCIENTIFIC AND  
EXPOSITIONAL PROGRAMS OF

INTERNATIONAL  
SCIENTIFIC - PRACTICAL CONFERENCE  
OF YOUNG SCIENTISTS



# BUILD MASTER CLASS 2024

«BUILD-MASTER-CLASS-2024»

05-07.11.2024  
IN KYIV NATIONAL UNIVERSITY OF  
CONSTRUCTION AND ARCHITECTURE

Ukraine, Kyiv, Povitrianykh Syl av., 31