

UDC 625.861 (045)

DOI: 10.18372/2306-1472.81.14600

Georgiy Bolotov<sup>1</sup>  
Valeriy Pershakov<sup>2</sup>  
Oleksandr Pylypenko<sup>3</sup>

## ARTISTIC AND AESTHETIC CANVAS OF NAU SPACE ORGANIZATION

National Aviation University, 1, Lubomyr Husar ave., Kyiv, 03058, Ukraine  
E-mails: <sup>1</sup>bolotovgi@g.mail.com; <sup>2</sup>pershakov@nau.edu.ua; <sup>3</sup>poi220154@gmail.com

### Abstract

*The paper considers the harmonization aspects of the architectural environment of the National Aviation University (NAU) by creating a powerful artistic and aesthetic canvas, which represents architectural and artistic interpretation of the buildings, rational landscape organization of its territory, plastic-decorative unity of the interior space, and artistic-decorative symbolism in the business life.*

**Keywords:** aspects; harmonization; architectural environment; National Aviation University (NAU); powerful artistic and aesthetic canvas; architectural and artistic interpretation; territory development; landscape organization; plastic-decorative unity; interior space; artistic and decorative symbols

### 1. Introduction

The territory of the National Aviation University has a long and glorious history. For many years, significant artistic and aesthetic achievements have been made and developed here by remarkable personalities, first of all by the heads of the NAU, its rectors, which have understood the importance of the aesthetic harmonization of this Science Temple's space. In such way the artistic and aesthetic canvas was being created, which from the very beginning and till now is the basis of the university's space harmonization and main core of the single integrated system of all its structural elements arrangement.

Very important spatial component of the university territory is the "Vidradny" park, which together with main university components has coalesced into natural environment space with attractive conditions for students' rest. Such type of the university space harmonization is based on a system approach (Fig. 1).

### 2. Analysis of the University Space Development

The architectural-spatial and landscape organization forms the architectural and landscape parts of the university complex according to the laws of harmony and compositional unity, taking into account the style trends existing at the time of their creation as well as the regional and local architectural tendencies and peculiarities. So, when the main buildings were constructed (the forties -

fifty years of the last millennium), they adhered to the style of the Soviet Empire with typical stylized classic order systems, plastic-decorative principles and techniques (Fig. 2), whereas during the next period of the university development (sixties - seventies), the educational buildings were being blocked between each other in ornamental ascetic complexes with ribbon principle of the window openings location (Fig. 3). During the further reconstruction of the existing facility the more relaxed plastic-decorative and colored tricks were used. It should be noted also that for the most part of buildings, the style characteristics of each such period and the integrity of their compositional structure remained mainly.

The landscape organization was also subordinated to the main principles of architectural and spatial unity. The facades of the first (main) and eighth buildings oriented to Komarov Prospect are also solved according to their architecture styles. In the cour d'honneur in front of the first building, a symmetrical composition was used with the coniferous and broadleaf trees, and flower beds. The area in front of the eighth building is solved asymmetrically and planted more variously).

Interestingly, at the photo contest "NAU by the student eyes", held in 2018 by the urban planning department, the student-architects created a diverse range of their priority pictures, representing various architectural fragments, landscape compositions, installations, and monuments that indicates the positive attitude of students to the environment in which they are staying, studying and resting.

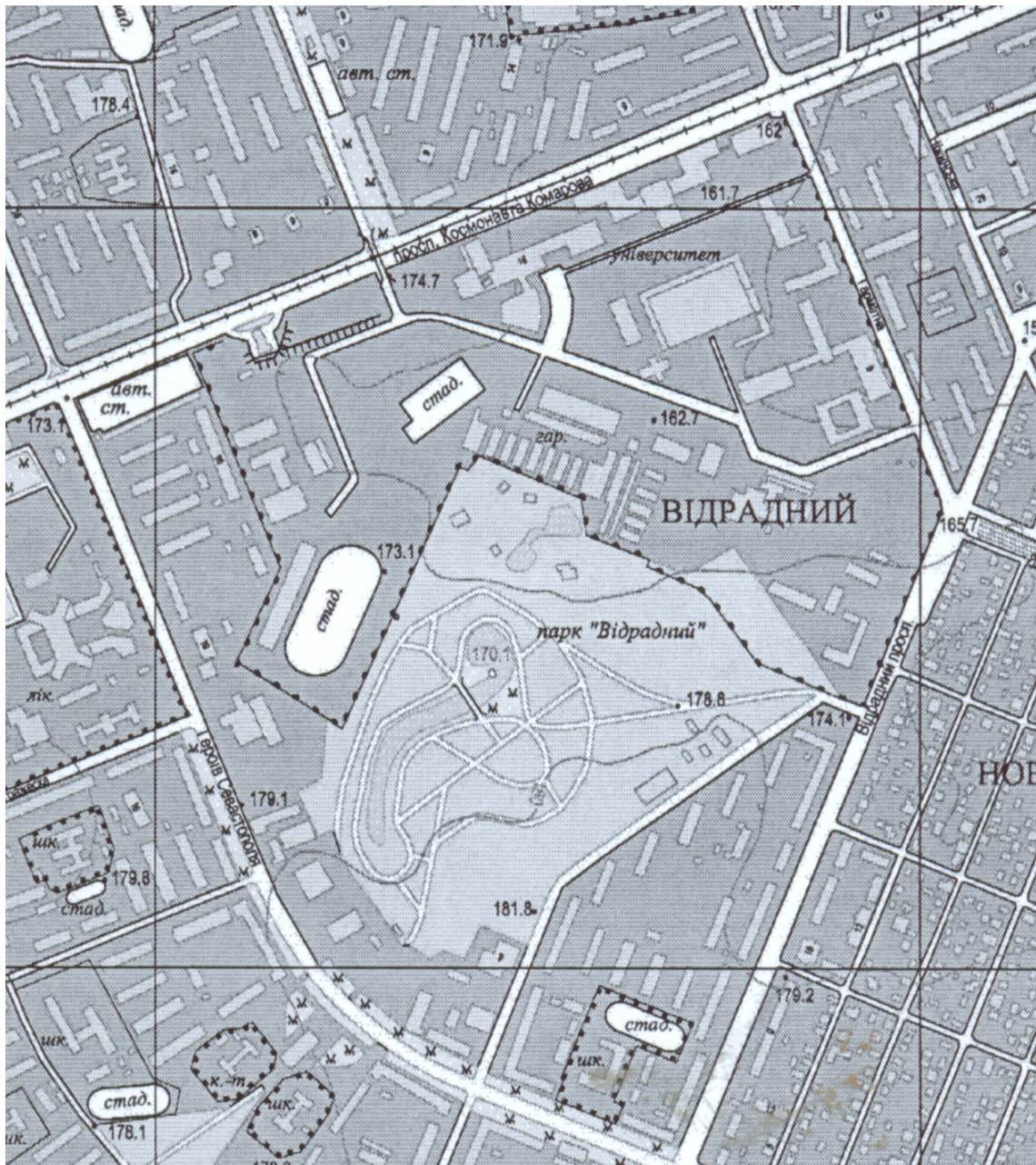


Fig. 1. Plan of National Aviation University (Komarov Prospekt and street Garmatna)

The artistic and aesthetic canvas of the harmonization includes also mosaic thematic decorative panels, which adorn the facade of the fourth educational building facing the Garmatna street [3]. A special place in the process of harmonization is given to the interior monumental images, which locate along the entire perimeter of the university buildings: the administration office in the main building, the hall of the Scientific Council, the museum, the small hall of the solemn events and the hall in front of it, the lobbies

of the architecture department, urban development department (building 4), environmental safety institute, department of computer technologies and graphics (building 3), department of architecture and design, interior design department (building 9), the Center for Culture and Arts, the exhibition hall of the airports institute, the hall of the Admissions, the communicative premises (the eighth - the first buildings, the lobby and reading rooms of the library (Fig.5).



Fig. 2. General view of the first building of NAU



Fig. 3. General view of the building 8 of NAU

All these images are mainly works of art, performed by renowned masters together with students (future architects and designers). Significant contribution to this very important matter was made by Volodymyr Bokan, Doctor of Art

Studies, Ph.D. in History, Academician of the Ukrainian Technological Academy, acting professional artists Sergey Chebatoryov, Vasyl Khodakivskiy [5].



Fig. 4. Decorative composition near the educational building

The brilliant representative of the creative architectural cohort, talented teacher and students' favorite Oleksandr Khlyupin created a kind of "forge" of highly skilled architects, or as it is called by students "Hlupin-Rlaza". It has become a real testing ground to grow the true masters of architectural business, experts in professional secrets, conscious, creative individuals who are able to solve complex functional and compositional tasks. By the way, students of Khlyupin are awarded annually for the best works of graduates of Ukrainian architectural schools and other international contests (total number of which accounts for already more than 150!).

A significant creative contribution to the university's image formation was made by the famous architect - city planner, candidate of architecture, the creator of recognized emblems and state awards Oleg Kravchenko. He is an indispensable participant of artistic contests, exhibitions, presentations. His expressive and

meaningful emblems radiate with kindness and harmony from department's stands, forms, program documents.

It should not be considered also as occasional the fact that our student Polina Tkach was awarded the title "Miss-Ukraine".

In this case a few factors have worked, of course: the natural component, the influence of the harmonious environment and the atmosphere of harmony created by the efforts of artists, designers, and landscapers which form and improve this environment. This is one of the particular results of our important artistic activity [4].

Certainly, the Flower of Life, which is the geometric basis of creation, symbolic sacred ground, which is encoded in every living cell of the all our Reality, has worked here, but its awakening requires not only the creative efforts of every member of the university team, but also its spiritual insight [1].



Fig. 5. The large panel in the library

### 3. Conclusion

By creating and gradually increasing the artistic and aesthetic harmony of the university environment through expanding its harmonious space by including new bright harmonic elements and improving the achieved state of aesthetic harmonization, the university team develops, clears, and spiritually grows, which is a very important result of the present.

### References

[1] *Drunvalo Melchizedek* (2004). *The Ancient Secret of the Flower of Life. Volume 1.* / Transl. from English under the editorship of I.V. Sutokskoy.- K.: Sofia,. - 248 p.

[2] Collection of reports at the International Scientific and Practical Conference "To the 100th

Anniversary of the Birth of General Designer OK. Antonova. -K.: Innov. publishing house Center: Hotex, 2008, 136 p.

[3] *Karpenko T. V.* (2018). *Synthesis of Arts in Architecture of the National Aviation University / T.V. Karpenko // Materials of the XVIII-th International Scientific and Practical Conference of Young Scientists and Students "Flight. Modern Problems of Science": collection of abstracts.* – Kiev, – 12 p.

[4] "Miss Ukraine - 2017" Polina Tkach, a student of NAU // "Aviator" № 63 (14509), 2017- 16 p.

[5] Bokan V.A. , Volniva S.O. (2008). *Art works of teachers of the Faculty of Architecture, Construction and Design /.* -K.: NMF Slavutich-Dolphin, – 60 p.

**Г.І. Болотов<sup>1</sup>, В.М. Першаков<sup>2</sup>, О.І. Пилипенко<sup>3</sup>**

**Архітектурно-художня канва просторової організації НАУ**

Національний авіаційний університет, просп. Любомира Гузара, 1, Київ, Україна, 03058

E-mails: <sup>1</sup>bolotovgi@gmail.com; <sup>2</sup>pershakov@nau.edu.ua; <sup>3</sup>poi220154@gmail.com

Стаття присвячена актуальним аспектам гармонізації архітектурного середовища Національного авіаційного університету (НАУ) за рахунок створення потужної художньо-естетичної канви, яка включає архітектурно-художню інтерпретацію забудови, доречну ландшафтну організацію території, пластично-декоративну наповненість інтер'єрного простору, художньо-декоративну символіку в діловій сфері. Наведені ілюстрації, які дають змогу оцінити художньо-естетичні якості ландшафтної організації території, архітектури споруд і інтер'єр них просторів. Наведені головні автори, які створювали це архітектурне середовище.

**Ключові слова:** аспекти, гармонізація, архітектурне середовище, Національний, авіаційний університет (НАУ), художньо-естетична канва, ілюстрації, оцінка художньо-естетичної якості, ландшафтна організація, територія, архітектура споруд, інтер'єрні простори, головні автори, архітектурне середовище.

**Г.И.Болотов<sup>1</sup>, В.Н. Першаков<sup>2</sup>, А.И. Пилипенко<sup>3</sup>**

**Архитектурно-художественная основа пространственной организации НАУ**

Национальный авиационный университет, просп. Любомира Гузара, 1, Киев, Украина, 03058

E-mails: <sup>1</sup>bolotovgi@gmail.com; <sup>2</sup>pershakov@nau.edu.ua; <sup>3</sup>poi220154@gmail.com

Статья посвящена актуальным аспектам гармонизации архитектурной среды Национального авиационного университета (НАУ) за счет создания мощной художественно-эстетической основы, которая включает архитектурно-художественную интерпретацию застройки, целесообразную ландшафтную организацию территории, пластично-декоративную наполненность интерьерного пространства, художественно-декоративную символику в деловой сфере.

Приведены иллюстрации, которые дают возможность оценить художественно-эстетические качества ландшафтной организации территории, архитектуры сооружений и интерьерных пространств. Приведенные главные авторы, которые создавали эту архитектурную среду.

**Ключові слова:** Аспекти, гармонізація, архітектурна среда, Національний авіаційний університет (НАУ), художественно-эстетическая основа, иллюстрации, оценка художественно-эстетического качества, ландшафтна організація, територія, архітектура сооружений, интерьерные пространства, главные авторы, архитектурная среда.

**Georgiy Bolotov**(1934). Candidate of Architecture, Senior Researcher.

Faculty of the Architectural, Building and Design, National Aviation University, Kyiv, Ukraine.

Education: Kyiv Engineering and Construction Institute, (1960).

Research area: Architecture, Urban planning, Landscape architecture, Esoteric aspect.

Publications: over 200

E-mail: bolotovgi@gmail.com,

**Valery Pershakov**(1943). Doctor of Technical Sciences,

Department of Reconstruction of Airports and Highways of Airports, National Aviation University, Kyiv, Ukraine.

Education: Kazakh Polytechnic Institute, (1966).

Research area: will build constructions, build and argue, auto roads and aerodromes

Publications: over 320

E-mail: pershakov@nau.edu.ua

**Oleksandr Pylypenko** (1954), Candidate of Technical Sciences,

Department of Reconstruction of Airports and Highways, National Aviation University, Kyiv, Ukraine.

Education: Kyiv National University of Civil Engineering and Architecture.

Research area: auto roads and aerodromes.

Publications: over 150.

E-mail: poi220154@gmail.com;