



## Dmytro Borodai

**Work permit:** Ukrainian **Nationality:** Ukrainian **Date of birth:** 23/04/1986

**Place of birth:** Poltava, Ukraine **Gender:** Male

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**Work:** Kondratieva 160 , 40000 Sumy (Ukraine) (Ukraine)

### ABOUT ME

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Head of the Department of Architecture and Engineering Surveys  
Candidate of Architecture, Associate Professor.

### EDUCATION AND TRAINING

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#### Master's Degree in Architecture of Buildings and Structures

*Yurii Kondratiuk Poltava National Technical University* [ 2003 – 2009 ]

City: Poltava | Country: Ukraine | Website: <https://nupp.edu.ua/> | Level in EQF: EQF level 1

#### Postgraduate studies in the specialty of Architecture of Buildings and Structures

*Yurii Kondratiuk Poltava National Technical University* [ 2009 – 2012 ]

City: Poltava | Country: Ukraine

#### PhD (Candidate of Sciences) in Architecture

*Yurii Kondratiuk Poltava National Technical University*

City: Poltava | Country: Ukraine | Field(s) of study: Engineering, manufacturing and construction: • Architecture and town planning | Final grade: PhD | Thesis: Principles of Functional and Spatial Organization of Sports and Tourist Hotels

### WORK EXPERIENCE

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#### Architect

*LCC "ARS-Design"* [ 2003 – 2009 ]

City: Sumy | Country: Ukraine

#### Assistant Lecturer, Senior Lecturer

*Yurii Kondratiuk Poltava National Technical University* [ 2009 – 2014 ]

City: Poltava | Country: Ukraine

Teacher of specialized disciplines for architects: "Architectural Design", "Architectural Typology", "Computer 3D Modeling for Architects"

#### Associate Professor, Head of the Department of Architecture and Engineering Surveys

*Sumy National Agrarian University* [ 2014 – Current ]

City: Sumy | Country: Ukraine

Teacher of specialized disciplines for architects: "Architectural Design", "Research Methodology in the Field", "Computer Graphics in Architectural Design"  
"Computer 3D Modeling", "Architectural Interior Design", "Architectural Environment Design".

## LANGUAGE SKILLS

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**Mother tongue(s):** Ukrainian

**Other language(s):**

**English**

**LISTENING B2 READING B2 WRITING B2**

**SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2**

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## HONOURS AND AWARDS

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[ 2015 ] Yurii Kondratiuk Poltava National Technical University

**Acknowledgment from the Rector of Poltava National Technical University**

For diligent, impeccable, and fruitful work, a high level of professional excellence, significant personal contribution to the training of highly qualified specialists and scientific personnel, on the occasion of Science Day

[ 2019 ] Sumy National Agrarian University

**Acknowledgment for the Design Development of the SNAU Eco-style Café – 2019**

[ 2021 ] Sumy National Agrarian University

**Acknowledgment for active participation in faculty life, contribution to enhancing its image, promotion of cooperation between the university and leading enterprises of the Sumy region in the field of architecture and urban planning, and for outstanding achievements in supervising students' research activities.**

[ 2024 ] Sumy National Agrarian University

**Acknowledgment for high professionalism and the integration of modern graphic tools into the educational process, on the occasion of the 47th anniversary of the founding of SNAU.**

## PUBLICATIONS

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[2024]  
[Volina T., Pylypaka S., Kalenyk M., Dieniezhnikov S., Nesvidomin V., Hryshchenko I., Lytvynenko Ya., Borodai A., Borodai D., Borodai Ya. Construction of mathematical model of particle movement by an inclined screw rotating in a fixed casing \(2024\). Eastern-European Journal of Enterprise Technologies, 5/7 \(125\), 60–69. DOI: 10.15587/1729-4061.2023.288548. \(Scopus, Q3\)](#)

[2024]  
[Borodai S.P., Borodai D.S., Borodai A.S. Modern Architectural and Planning Approaches to the Design of Business Centers in Large Cities. Bulletin of the Lviv Polytechnic National University \(Series: Architecture\), Volume 6, Number 1, 2024, pp. 24–33. <https://doi.org/10.23939/sa2024.01.024>](#)

[2023]  
[Borodai, D.S., Borodai, A.S., Borodai, S.P. Architectural and planning features of comprehensive centers of social assistance and psychological rehabilitation on the example of the city of Sumy. Spatial development: Scientific collection of the KNUBA \(3\), 206–218. <https://doi.org/10.32347/2786-7269.2023.3.206-218>](#)

[2023]

[Khomenko O., Tsyhanenko L., Tsyhanenko H., Boroday A., Boroday D., Boroday S. Development of engobe coatings for ceramic bricks. Eastern-European Journal of Enterprise Technologies. Technology organic and inorganic substances, 2023, Vol 2, No. 6, P. 77-87. <https://doi.org/10.15587/1729-4061.2023.279918> \(Scopus, Q3\)](#)

[2023]

[A.O. Redko, I.O. Redko, D.S. Boroday, S.L. Andrukh, G.M. Tsyhanenko. \(2023\). Application of fiberglass pipes in geothermal circulation systems. Ventilation, lighting and heating and gas supply, KNUBA. № 47, 36-52. <https://doi.org/10.32347/2409-2606.2023.47.36-52>](#)

[2023]

[Borodai A .S., Borodai D .S., Borodai S.P. Environmental technologies in modern national architecture of Ukraine. The International Scientific Periodical Journal «Modern engineering and innovative technologies». Issue 26, Part 2. - Karlsruhe, Germany – P. 26-31. DOI: 10.30890/2567-5273.2023-26-02-012](#)

[2021]

[Vysochyn I.A., Borodai S.P., Borodai D.S., Halushka S.A., Borodai A.S., Borodai Ya.O. The Impact of Migration Processes on the Formation of the Structure of an Urban Planning Object. Architectural Bulletin of KNUCA – Kyiv: KNUCA, 2021. – Issues No. 22–23, pp. 114–125. <https://doi.org/10.32347/2519-8661.2021.22-23.114-125>](#)

[2021]

[Borodai S.P., Vysochyn I.A., Borodai A.S., Cherednichenko O.M., Borodai D.S., Borodai Ya.O. Reconstruction of National Architectural Monuments for Social Welfare Facilities: The Case of the Lishchynsky Palace in Sumy Region. Scientific Bulletin of Construction, Kharkiv National University of Civil Engineering and Architecture \(KhNUCEA\), 2021. – Vol. 106, No. 4, pp. 30–39. \[doi.org/10.29295/2311-7257-2021-106-4-30-38\]\(https://doi.org/10.29295/2311-7257-2021-106-4-30-38\)](#)

[2021]

[Borodai A.S., Borodai D.S., Borodai S.P., Borodai Ya.O. Architectural and Planning Trends in the Formation of Recreational Complexes in Suburban Areas: A Case Study of Sumy Region. Urban Planning and Territorial Development: Scientific and Technical Collection / Chief Editor M.M. Dyomin. – Kyiv: KNUCA, 2021. – Issue 76, pp. 28–36. <https://doi.org/10.32347/2076-815x.2021.76.28-36>](#)

[2021]

[Borodai S.P., Borodai A.S., Borodai D.S., Borodai Ya.O. Ecological Construction Technologies in Modern Folk Architecture of Northeastern Ukraine. Urban Planning and Territorial Development: Scientific and Technical Collection / Chief Editor M.M. Dyomin. – Kyiv: KNUCA, 2021. – Issue 77, pp. 43-56. <https://doi.org/10.32347/2076-815x.2021.77.43-56>](#)

[2020]

[D.S. Borodai, A.S. Borodai, S.P. Borodai, Ya.O. Borodai \(2020\). Typological and Functional Planning Features of Sports and Tourist Hotels. IOP Conference Series. Materials Science and Engineering 907:012065. DOI: \[10.1088/1757-899X/907/1/012065\]\(https://doi.org/10.1088/1757-899X/907/1/012065\)](#)

[2020]

[O. Zaichuk, A. Amelina, Y. Hordieiev, Y. Kalishenko, N. Sribniak, S. Halushka, D. Borodai, A. Borodai \(2020\). Patterns in the synthesis processes, the microstructure and properties of strontium-anorthite ceramics modified by glass of spodumene composition. Eastern-European Journal of Enterprise Technologies. Technology organic and inorganic substances. Vol 6, No 6 \(108\) \(2020\) DOI: <https://doi.org/10.15587/1729-4061.2020.216754>](#)

[2020]

[Vysochyn I.A., Andrukh S.L., Borodai A.S., Borodai D.S., Borodai S.P., Halushka S.A. The Problem of Spatial Existence of a Megapolis Resident. Scientific Bulletin of Construction. Kharkiv: KhNUCEA, No. 3, 2020, pp. 62–71. \[doi.org/10.29295/2311-7257-2018-101-3-62-71\]\(https://doi.org/10.29295/2311-7257-2018-101-3-62-71\)](#)