

# Mykola Makhinko

Date of birth: 13.02.1985

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## **ACADEMIC BACKGROUND**

*Prydniprovskaya State Academy of Civil Engineering and Architecture, (PSACEA), Dnipro*

Ph.D. thesis on the development of the ensuring the durability of large-panel residential buildings of the first mass series with corrosion of connection reinforcement. Manuscript, 2014. Thesis for the scientific degree of Candidate (Ph.D.) of Technical Sciences in specialty 05.23.01 – «Building constructions, buildings and structures».

Corresponding member of the Academy of Construction of Ukraine, 2019.

## **WORK EXPERIENCE**

*Prydniprovskaya State Academy of Civil Engineering and Architecture, (PSACEA), Dnipro*

### **Associate Professor**

**2014 – present**

*Department of reinforced concrete and masonry structures, PSACEA, Dnipro*

Courses in fundamentals of structural concrete and methods of the reinforced concrete and masonry structures design, as well as applications of various types of structural elements in building systems. CAD systems in reinforced concrete structures design. Assessment of technical condition and strengthening of reinforced concrete and masonry structures.

Deputy Director for Academic Affairs and Research of the Educational and Scientific Institute of Innovative Technologies in Education **2019 – 2020**

Director of Educational and Scientific Institute of Innovative Technologies in Education **2020 – present**

### **Assistant Professor**

**2009 – 2014**

*Department of reinforced concrete and masonry structures, PSACEA, Dnipro*

Courses in fundamentals of reinforced concrete structures design, computer aided design systems.

## **PROFESSIONAL EXPERTISE:**

Design of projects of reinforced concrete, masonry and steel structures strengthening.  
Development of structural design documentation for reinforced concrete and steel structures.

## **PROFESSIONAL INTERNSHIP:**

Certified audit of energy efficiency of buildings. Certificate № ЕЕБ 00034.

## **RESEARCH:**

### **Scientific focus areas:**

Rational design of buildings and structures

Resource-efficient and environmental -friendly structures

### **PUBLICATIONS:**

1. Makhinko M., Shekhorkina S., Butska O., Nikiforova T., Investigating the strength and deformability of the node that connects precast slabs and monolithic joists in a flat precast-monolithic flooring slab. *Eastern-European Journal of Enterprise Technologies*. 2019. Vol. 4, № 1 (100). P. 14–25. URL: <https://doi.org/10.15587/1729-4061.2019.174476>

2. Makhinko M., Shekhorkina S., Kesariisky A., Nikiforova T., Savytskyi O. Experimental Investigation and FEM Modeling of Glued Timber Connections with Slotted-In Steel Plates. *Slovak Journal of Civil Engineering*. 2019. Vol. 27 (4). P. 18-23. URL: <https://doi.org/10.2478/sjce-2019-0027>

### **PROFESSIONAL PROFILE**

<https://www.scopus.com/authid/detail.uri?authorId=57215411658>

<https://scholar.google.com.ua/citations?user=FL-5kGAAAAAJ&hl=ru&authuser=1>

<https://orcid.org/0000-0001-5541-8672>

<https://publons.com/wos-op/researcher/4789558/mykola-makhinko>

### **LINGUISTIC COMPETENCIES**

- Ukrainian (native speaker)
- Russian (native speaker)
- English (intermediate)