Kostiantyn Shliakhov

Date of birth: 18.08.1973

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ACADEMIC BACKGROUND

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

Prydniprovska State Academy of Civil Engineering and Architecture (PSACEA), Dnipro
Ph.D. thesis on constructions for few-storeyed of residential buildings, which save up resources. – Manuscript. 2003.
Thesis for a Candidate (Ph.D). Degree in Technical Studies. Programme 05.23.01 – The Building Designs, Buildings and Constructions.

Corresponding member of the Academy of Construction of Ukraine, 2016.

WORK EXPERIENCE

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

Associate Professor **2003 – 2022**

Department of reinforced concrete and masonry structures, PSACEA, Dnipro
Teaching: fundamentals basics of design of reinforced concrete and stone structures and practical skills in the methods of design the reinforced concrete and masonry structures, applications of the various types of structural members in building systems, CAD systems in reinforced concrete structures design, methods of assessment the technical state and strengthening of reinforced concrete and masonry structures.

Assistant Professor **1999 – 2002**

Department of reinforced concrete and masonry structures, PSACEA, Dnipro
Teaching: laboratory works on determining physical and mechanical characteristics of concrete and reinforced concrete structures, calculation and design of reinforced concrete structures, computer aided design systems.

PROFESSIONAL EXPERTISE:

Proven ability to lead and manage teams of engineers and architects to deliver high-quality 3D models and construction documents.
Rational design of building structures, taking into account the criteria of sustainable development, design of energy efficient buildings.

SCIENTIFIC EXPERIENCE

RESEARCH INTERESTS:

Ecological design of buildings and structures

Energy efficiency in construction

Resource-efficient and environmental friendly buildings

Green construction

Sustainable design of buildings and structures

Earth sheltered residential buildings

PUBLICATIONS:

1. Sopilniak A., Kolokhov V., Shliakhov K., Senchyshak D., Kobzar .I. Дослідження доцільності застосування дворамних металопластикових вікон. *Bulletin of Prydniprovs'ka State Academy of Civil Engineering and Architecture*. Dnipro, 2019. № 4. P. 71-78. http://visnyk.pgasa.dp.ua/article/view/191816.

2. AJ Abbas, TD Nikiforova, KV Shliakhov, AM Sopilniak. The effect of the seismicity of the construction site on the material consumption of a multi-story building. *Bulletin of Prydniprovs'ka State Academy of Civil Engineering and Architecture*. Dnipro, 2019. № 6 (259-260). P. 10-17. http://visnyk.pgasa.dp.ua/article/view/191816.

3. Shekhorkina S., Butska O., Bordun M., Shliakhov K., Tensely is the deformed state of hybrid tree of reinforce-concrete multistory building taking into account deformations of creep. *Bulletin of Prydniprovs'ka State Academy of Civil Engineering and Architecture*. Dnipro, 2020. № 3 (264-265). P. 100-108. http://visnyk.pgasa.dp.ua/article/view/191816//.

4. Shekhorkina S., Savytskyi M., Nikiforova T., Shliakhov K., Myslytska A. Design of the composite timber-reinforced concrete bending elements considering nonlinear behaviour of the connection. *Eastern-European Journal of Enterprise Technologies.* 2020. Vol. 5 (107). P. 14–21. URL: https://doi.org/10.15587/1729-4061.2020.200527.

5. Shekhorkina S., Shliakhov K., Sopilniak A. Experimental investigation of load-bearing capacity and deflections of full-scale glued laminated timber beams. *Proceedings of Odessa Polytechnic University*. Odesa, 2020. Issue 2 (61). P. 5–11. URL: https://pratsi.op.edu.ua/app/webroot/articles/1602237832.pdf

6. Analisis of monolithic dome shell for lunar living modules // Savytskyi Mykola, Shekhorkina Svitlana, Nikiforova Tetiana, Makhinko Mykola, Shlyakhov Kostiantyn / Abstracts of XIX international scientific and practical conference «Innovative technologies in construction, civil engineering and architecture» - Chernihiv: SHEI PSACEA, 2021. – P. 69 – 73.

7. Savytskyi M., Shekhorkina S., Sopilniak A., Shliakhov K., Sirenok K. Analysis of the tensely-deformed state of dome-shell of the monthly module. Ukrainian magazine of building and architecture. Dnepr, 2022. №4. P.82-88.

8. An improvement of reinforce-concrete non-load-bearing constructions is for малоповерхового building // Sopilniak A., Kolokhov V., Shliakhov K., Tytiuk A., / the Ukrainian magazine of building and architecture, 2022. P. 92-101.

PROFESSIONAL PROFILE

ORCID ID: 0000-0001-6493-6201

https://www.scopus.com/authid/detail.uri?authorId=57221333909

https://www.webofscience.com/wos/author/record/2661345

LINGUISTIC COMPETENCIES

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