

OLENA PONOMAROVA

Head of the Department of Computer Science, Information Technology and Applied Mathematics at Prydniprovsk State Academy of Civil Engineering and Architecture, (PSACEA), Dnipro; PhD, Associate Professor with nearly 20 years of experience in scientific and pedagogical work. I have over 90 scientific and methodological publications, including articles, patents, and teaching materials.



Address:

Architect Oleh Petrov street, 24a,
49005, Dnipro, Ukraine

Phone: +38 (066) 889-10-51

E-mail: olena.ponomarova@pdaba.edu.ua

Date of birth: 03.12.1971

Work experience

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

Period	From 2020 until now
Position	Head of the Department of Computer Science, Information Technology and Applied Mathematics
Main responsibilities	Conducting educational sessions according to the individual plan, developing new courses and teaching materials, writing methodological recommendations for practical, laboratory and lecture courses, developing educational plans for the educational process, developing educational programs for Bachelor's and Master's degrees. Supervising the research work of students and postgraduates. Chairing the department.
Period	From 2013 until 2020
Position	Associate Professor of the Department of Information-measuring Technologies and Systems.
Main responsibilities	Conducting educational sessions according to the individual plan, developing new courses and teaching materials, writing methodological recommendations for practical sessions, developing educational plans for the educational process, developing educational programs for Bachelor's and Master's degrees. Supervising the research work of students and postgraduates.
Period	From 2012 until 2013
Position	Assistant of the Department Information Measurement Technologies and Systems.
Main responsibilities	Conducting educational sessions according to an individual plan, developing methodological recommendations for practical classes.
Period	From 2006 until 2012
Position	Assistant of Department of Applied Mechanics.

Main responsibilities Conducting educational sessions according to an individual plan, developing methodological recommendations for practical classes.

Period **From 1997 until 2003**

Position Engineer of the Information and Computing Center.

Main responsibilities Development of software for CAD systems, participation in the development of methodological recommendations.

Academic background

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

Period. **2021**

Qualification obtained. *Degree: Master's degree
Field of study: Information Technology
Specialization: Computer Science*

Period. **2013**

Qualification obtained. Associate Professor of the Department of Information-measuring Technologies and Systems

Odessa National Polytechnic University

Period. **2012**

Qualification obtained. Ph.D. in Computer Science, specializing in "Computer Systems and Components" (specialty code 05.13.05).

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

Period. **1996**

Qualification obtained. Automation engineer

Scientific experience

Research interests: Research and development of components for computer systems of various purposes; methods of information transformation; investigation of information transmission channels; application of modern methods and information technologies in distance learning.

Publications:

1. Artem Basko / Artem Basko, **Olena Ponomarova** and Yurii Prokopchuk // International Journal of Prognostics and Health Management. – 2021. – [Vol. 12 No. 2.](#) <https://papers.phmsociety.org/index.php/ijphm/article/view/3015> (Scopus/WoS).

2. Z. Stević. Modelling, simulation and optimisation of pulse-reverse regime of copper, silver and gold electrodeposition/ Stević, Z., Vlahović, M., Martinović, S., (...), **Ponomaryova**, E., Volkov-Husović, T.// International Journal of Materials Research. – 2018. – Vol. 109, No. 6 : Pages 514-521 . <http://www.hanser-elibrary.com/doi/pdf/10.3139/146.111636>

3. Басько А.В. Методологія проектування автоматичної системи структурного моніторингу технічного стану будівель та споруд / А.В. Басько, **О.А. Пономарьова**// Вісник Вінницького політехнічного інституту. – 2022. – №4. – С.64-71. [№ 4 \(2022\) | Вісник Вінницького політехнічного інституту \(vntu.edu.ua\)](#)

4. **Пономарьова О.А.** Застосування можливостей хмарних технологій в якості платформи комунікаційного середовища у науковій діяльності ЗВО. / О.А. Пономарьова, С.М. Пономарьов// Економічний простір. – 2021. – №173. – С. 93-97.

5. **Пономарьова О.А.** Автоматична система обліку та аналізу продукції / О.А. Пономарьова, А.В. Басько // Будівництво, матеріалознавство, машинобудування. Серія:

Комп'ютерні системи та інформаційні технології в освіті, науці та управлінні. – 2018. – №106. – С.178-183.

6. **Ponomaryova Elena.** METHOD FOR INCREASING THE RELIABILITY OF INCLINOMETRIC TELEMETRY SYSTEMS FOR DRILLING OIL AND GAS WELLS / Elena Ponomaryova, Sergey PONOMARYOV // Renewable Electrical Power Sources: міжнародна наукова конференція, 15 жовтня 2021.: доповідь. – Beograd, 2021. – С. 369 –373.

7. Basko Artem. INCREASING FAULT TOLERANCE OF ADC AD7799/ Artem Basko, **Elena Ponomaryova** // Renewable Electrical Power Sources: міжнародна наукова конференція, 16 жовтня 2020.: доповідь. – Beograd, 2020. – С. 287 –291.

8. **Ponomaryova Elena.** SENSOR OF SIGHT ANGLE USING AEROSTATIC SUSPENSIONS IN THE SUPPORTS OF ITS AXES / Elena Ponomaryova, Sergey PONOMARYOV // Renewable Electrical Power Sources: міжнародна наукова конференція, 17-18 жовтня 2019.: доповідь. – Beograd, 2019. – С. 235 –241.

9. S.M. Ponomarov, **O.A. Ponomarova**, G.O. Lukashuk, I.V. Ryzhkov. Development of methods for increasing the efficiency of computer systems for monitoring the spatial position of objects: collective monograph. Dnipro: Jourfond, 2023 – 182 p.

Social skills and competences

Creating work groups and working within them, conducting lectures and practical sessions, giving reports and presentations. Planning and organizing work on projects.

Linguistic competencies

Ukrainian (native speaker)

English (intermediate)