Annotation

PhD program "Automated Information Processing and Control Systems"

Objective of the program: The doctoral program in "Automated Information Processing and Control Systems" aims to prepare highly qualified specialists in the fields of science, education, industry, and public administration, who can apply their knowledge and skills in various scientific and applied fields. The program aims to develop research skills, critical thinking, and the ability to solve complex problems by creating simulation models, utilising innovative methods, techniques, and technologies (including 3D technologies).

Main highlights:

- Development and analysis of automatic control systems, methods and technologies for industrial processes, use of microprocessor systems, controllers and optimization algorithms.

- Use of modern analysis technologies, tools and software to create 3D simulation models, 3D objects, increase efficiency, create intelligent information management and processing systems, and use industrial IoT devices and sensors.

- Application of systems and technologies in various scientific disciplines such as automation and optimization of production processes, intelligent control systems, engineering simulations, process modeling, process automation, energy efficiency, etc.

- Development of interdisciplinary research and practical skills, and cooperation with other scientific fields, organizations, industry, etc.

Forms of education: Full-time (up to 3 years), part-time (up to 4 years), self-study (up to 5 years), PhD project (full-time, part-time or self-study).