

Annotation
Ph.D. program "Fluid Mechanics"
Institute of Mechanics – Bulgarian Academy of Sciences

Purpose of the program:

The doctoral program "Fluid Mechanics" aims to prepare highly qualified specialists in the field of fluid mechanics, who can apply their knowledge and skills in various scientific and applied areas from the field of theoretical study of fluids to the field of experimental and practical applications of the methodology of fluid mechanics. The program is aimed at developing research skills, critical thinking and the ability to solve complex problems by using the theoretical and experimental methodology of fluid mechanics.

Main emphases of the program:

- 1) Development and analysis of mathematical models for describing and predicting processes and phenomena in fluid systems.
- 2) Use of modern mathematical tools and software for simulation and optimization of fluid systems.
- 3) Application of the mathematical methodology of fluid mechanics in other scientific disciplines such as physics, biology, engineering, economics, social systems, etc.
- 4) Development of interdisciplinary research skills and cooperation with other scientific fields.

Forms of study:

Full-time (up to 3 years),
part-time (up to 4 years),
independent study (up to 5 years),
doctoral research project (full-time, part-time or independent study).