

National Aviation University

Educational-Scientific Institute of Aeronavigation, Electronics and Telecommunications

AEROSPACE CONTROL SYSTEMS DEPARTMENT

<http://sula.nau.edu.ua/index.html>

WE INVITE

future bachelors and masters for education by following specialties:

1. 126. Information Systems and Technologies

Specialization – Information Technologies in Aerospace Control
Form of Teaching: campus.

2. 151. Automation and Computer-integrated Technologies

Specialization – Computer-aided Control Systems and Automation
Form of Teaching: campus, remote

Information technologies are the sphere of Youth!



Head of Department
Azarskov Valery Mykolayovych

Merited worker of Transport of Ukraine, Veteran of Space Industry, Laureate of the State Prize of Ukraine in Science and Technology and M.K. Yangel's Prize of NAS of Ukraine, Excellent Worker of Education of Ukraine, Doctor of Sciences (Eng.), and Professor.

Our Department is educational-scientific complex with high research potential, which exists from 1965 year. Its staff consists of 8 Doctors of Sciences, Professors, and more than 15 Ph.D., Associate Professors. Among them, there are Members of the International Academy of Navigation and Motion Control, Academy of Transportation of Ukraine, Laureates of the State Prize of Ukraine in Science and Technology and M.K. Yangel's Prize of NAS of Ukraine, Merited Workers of Space and Aviation Industries of Ukraine.

Department possesses computer classes augmented with Internet, training laboratory classes, equipped with more than 50 special laboratory workbenches, and research laboratory as well. At the leading Kyiv's enterprises, Airports, and Institutions of the National Academy of Sciences of Ukraine there are affiliations of Department, where students are deepening their theoretical and practical background. Department undertakes scientific researches in the highly important problems with active participation of students, as well as successful training of future Ph.D. and Doctors of Science.

Department provides **Masters training** by different directions. This circumstance guarantees interconnection between achieved theoretical knowledge with practical design of the computer networks and programming in the technical and economical areas, thus providing future specialists with unique experience in different fields of activity. Students take active part in research works devoted to solution of the most important problems in the aforementioned areas.

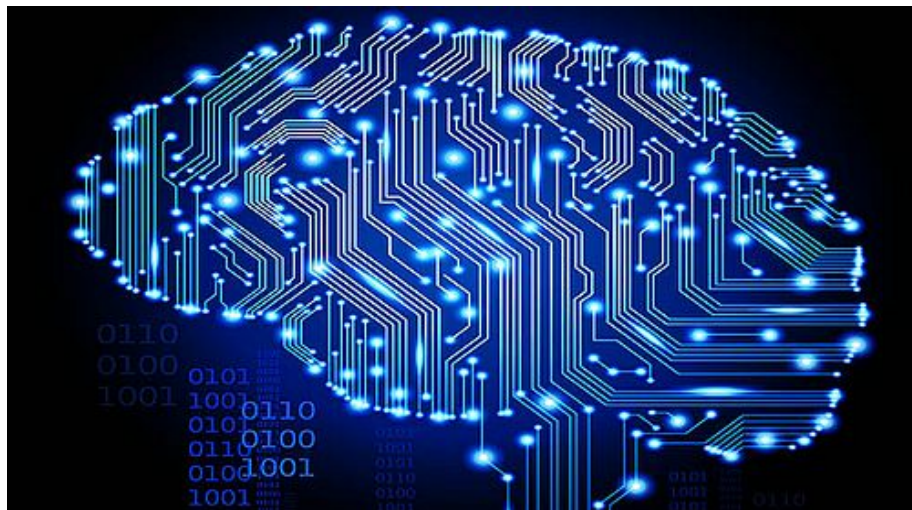
Department invites students for education in English language from the first year of study. It gives possibility to obtain internship in the most advanced countries of Europe, America and Asia, and further international employment assistance.

Students, educated in English, additionally obtain, along with Diploma of Higher Education, special Certificate, which gives essential advantage for employment.

Our Department is leader in training of specialists in advanced computer-aided design technologies, as well as in manufacturing and maintenance of cybernetics complexes, which incorporate all modern achievements of science and technology and have wide spectrum of applications.

Training of specialists provide:

- Deep and stable theoretical and practical knowledge of information technologies, electronics and computer hardware, advanced control theory, intellectual algorithms in aerospace control systems, decision taking systems, data processing in the airborne control systems, etc.;
- Ability of usage in practice the newest science-intensive technologies;
- Ability of creation and maintenance competitive airborne cybernetic systems;
- Ability of design and implementation of scientifically substantiated algorithms and programs for the firms and companies management.



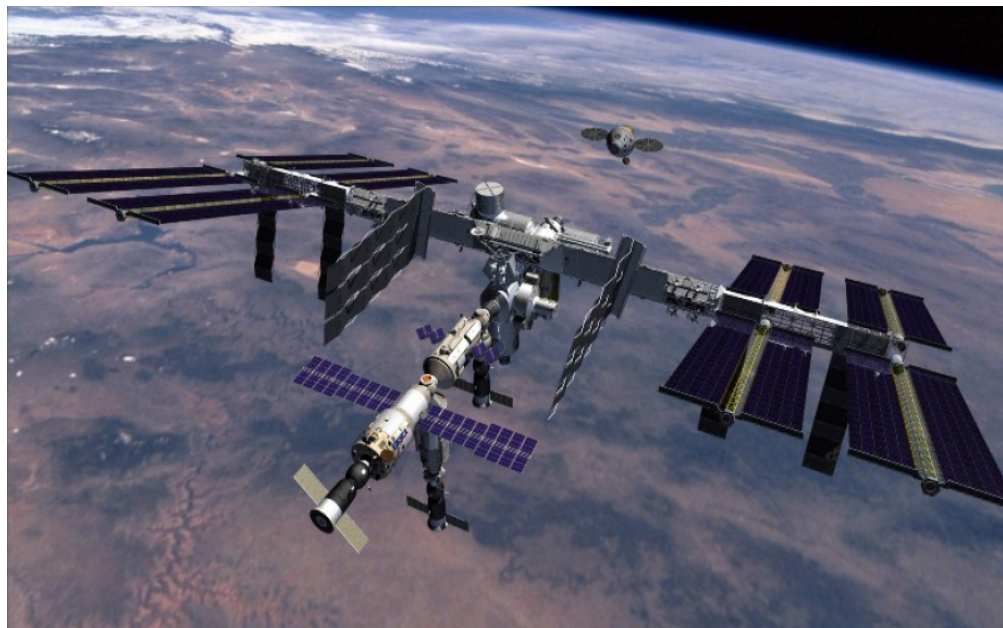
Objects of future specialists activity are:

- The newest cybernetic control systems for piloted and unmanned space, aerial, marine and other moving vehicles with usage of cloud and neuro-fuzzy technologies, having the highest priority in any advanced country;
- Computer-aided management of data bases and Banks, Custom services, and Organizations of various forms of property in Ukraine as well as abroad;
- Control systems for robotics complexes and complicated technological processes of manufacturing;
- Technologies and methods of expertise of scientific-technical and innovative projects.

Everybody, who masters information technologies, can change the world!

Generally speaking, these specialists are developing at the fundamental level the complex program products, the computer networks, the systems of artificial intellect, the decision making intellectual systems using cloud structures, the systems for military usage, the control systems for high precision armament and the systems of stabilization, navigation and control of the piloted and unmanned aircraft, etc.

We are training just the same specialists!



Profiling Disciplines

- Theory of Algorithms and Programming
- Computer Systems Architecture
- System Theory and Analysis
- Computer Hardware and Circuit Technology
- Systems Software
- Fundamentals of the Information Processes Theory
- Data Bases Structure
- Fundamentals of the Flight Control Theory
- Modern Control Theory
- Artificial Intellect in the Aerospace Control Theory
- Technologies of the Intellectual Data Analysis

- Optimal Control Theory
- Software Engineering
- Neural and Neuro-Fuzzy Technologies in the Aerospace Control Systems
- Theory of Information Systems Design
- Introduction to the Organization Systems Management
- Microprocessor and Microcontroller Systems
- Data Processing in the Airborne Control Systems
- Computer Networks
- Information Security and Protection
- Theory and Practice of the Management Decision Taking



Employment

On the basis of the fundamental training, obtained in the University in accordance with chosen specialty, our alumni, as creators of future technologies, are occupying prestigious positions in Ukraine as well as abroad. These include: General Directors of firms and companies, Chief Engineers and Designers of science-intensive technologies in Aviation, Aerospace, Electronics and Instrument manufacturing industries, Air Transportation Companies, University Teachers, System Analytics and Heads of Analytical Departments of Companies, Banks, Law-enforcement structures, and Customs. They are very desirable as system administrators, leading specialists and researchers in the Design Bureaus and Research Institutes, especially in the Institutes of the National Academy of Sciences. **All these positions guarantee decent salary and successful aggrandizement perspectives.**

Diploma issued by our University is valid in more than 200 countries all over the world that are members of the International Civil Organization – ICAO.

Phones: 38044-4978186, 38044-4067427, 4067184, 38067-4663271

E-mail: azarskov@nau.edu.ua

Сайт: <http://sula.nau.edu.ua/index.html>