

**National technical university
«Kharkov polytechnical institute»**

Electromachinebuilding faculty

**Department
AUTOMATED ELECTROMECHANICAL SYSTEMS**

<http://web.kpi.kharkov.ua/aems/ru/abiturientu-ru>



Branch - Electric engineering

Bachelor

Speciality - Electric power industry, electrical engineering and electromechanics

Master

SPECIALIZATIONS:

- Mechatronics and robotics
- Electromechanical systems of automation and the electric drive

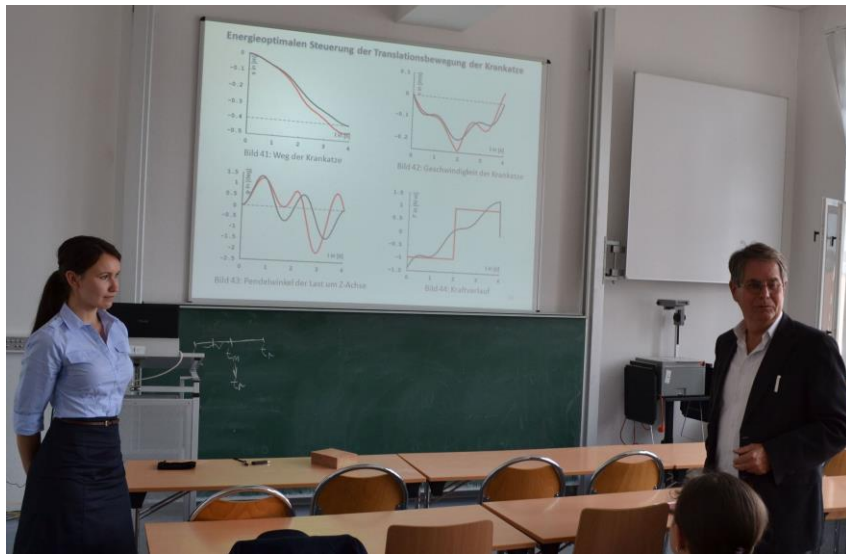
Qualification - electromechanics engineer



Areas of studying:

Design, research and introduction of electric drives which consume 70 % of all produced electric power and operate movement of machines and mechanisms

Using computer technologies, the electric drive automates technological processes in any industries, construction, agriculture, on transport, in municipal sector and power



Employment perspectives:

Graduates of department are in great demand as universal specialists in the field of:

computer microprocessor programming

electric drives automatic control systems

mechanics devices

electric machines

electric vehicle mechatronic systems

enterprises electric power supply

Graduates of faculty can work as engineers in the field of design, research, adjustment and operation of automation systems on the basis of microprocessors and electric drive.

Many graduates are invited to work in Siemens, Bosch, Fraunhofer Institut, Volkswagen.



General academic disciplines for the students of our department (bachelor's level)

**Theoretical bases electrical engineers
The applied mechanics
Electric machines
The theory of automatic control
The theory of the electric drive
Modelling of electromechanical systems
Computers and programming
Electronics and microcircuitry
Industry energy supply and energysaving
Industry automated electric drive
Automation of technological processes
Computer Aided Design**



General academic disciplines for the students of our department (master's level)

Microprocessor electric drive

Energysaving by the electric drive

Computer Aided Design

Modern control methods

Diagnostics and reliability of electromechanical systems

Automation of metallurgical manufacture

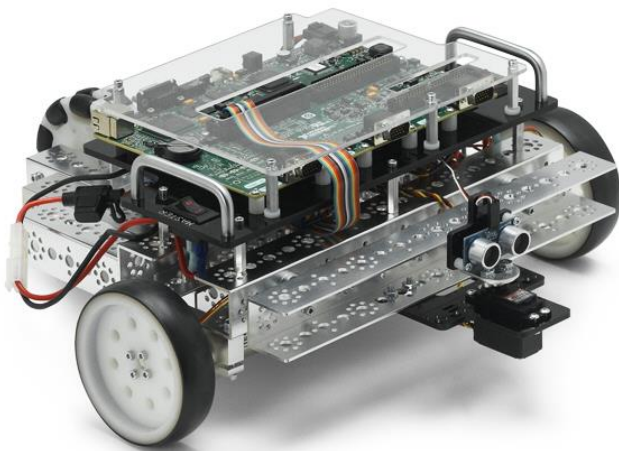
Industrial mechanisms automation systems

Engineering of the electric drive and automation systems

Intellectual control systems

Intellectual systems in mechatronics

Micromechatronics



Our contacts:

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