

SCIENTIFIC ACTIVITY. DIRECTIONS OF SCIENTIFIC RESEARCH

- Software and hardware for problem-oriented information processing systems;
- Software engineering and distributed systems;
- Methods and algorithms of digital signal and data processing;
- Pattern recognition, biometrics, image processing and image analysis;
- Intelligent data analysis, machine learning and knowledge discovery;
- Mobile applications and computer networks;
- Information security.

POSTGRADUATE AND DOCTORAL STUDIES. SPECIALTIES OF PHD DEGREES

- Software and mathematical tools of computing machines, complexes, and computer networks;
- Computing machines and systems;
- Mathematical modelling, numerical techniques and software packages;
- Discrete mathematics and mathematical cybernetics;
- System analysis, control, and information processing;
- Elements and devices for computer engineering and control systems.

INTERNATIONAL COOPERATION

The school of Computer Science and Technology regularly participates in joint educational programs with the Universities of Finland, Germany, Austria, France, etc. The department of Computer Science and Engineering has connections with leading companies and universities of Germany, USA, Canada, Great Britain, Sweden, Holland, China, Poland, Czech Republic, etc. The school also takes part in international academic projects related to software engineering, distributed systems, digital signal processing, machine learning and data mining techniques, etc.



CONTACTS

☎ +7 (812) 234-35-53

✉ master@etu.ru; 2343553@mail.ru;
klio2003@list.ru

ETU "LETI"
Prof. Popov str., 5
197376, St. Petersburg,
Russian Federation



ETU

THE FIRST
ELECTROTECHNICAL
UNIVERSITY



**SAINT PETERSBURG
ELECTROTECHNICAL
UNIVERSITY «LETI»**

Faculty of Computer Science and Technology

SAINT PETERSBURG ST. PROFESSOR POPOV, 5

THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The department of Computer Science and Engineering was established by the government regulation of the Soviet Union in 1931. It became the first department in the Soviet Union train engineers and developers who specialize in computer science and engineering. Research activities encompass high-performance systems, parallel computing, distributed computing, data analysis, digital signal processing, microprocessor systems, software and hardware development, artificial intelligence, parallel computing, embedded systems, etc.

The department faculty consists of:

- 8 Professors, Doctors of Science;
- 26 Associate Professors, PhD;
- 7 Assistant Professors.

TRAINING DIRECTIONS OF THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- "Computer Science and Engineering" bachelor's program for "Computational machines, complexes, systems, and networks";
- "Elements devices of computer engineering and control systems" Postgraduate program;
- "Mathematical and software tools of computational machines, complexes, and computer networks", "Computational machines, complexes, and computer networks", "Mathematical modelling, numerical techniques, and software packages".

STRATEGIC PARTNERS OF THE SCHOOL OF COMPUTER SCIENCE AND TECHNOLOGY

- **Speech Technology Center**
- **Motorola Solutions**
- **Saint Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences**
- **IBM**
- **Luxoft**
- **Siemens**
- **EPAM**



"Computer science and knowledge discovery" master's program (in English) includes the following groups:

- Data and signal processing and mathematics;
- Software and hardware design;
- Artificial intelligence, computer science, and engineering;

"COMPUTER SCIENCE AND KNOWLEDGE DISCOVERY" MASTER'S PROGRAM (IN ENGLISH)

includes the disciplines related to data and signal processing and mathematics, software and hardware design, artificial intelligence, computer science and engineering, computational systems, and general educational courses. Student are also involved in industrial and academic training.

Technological, industrial and research internships of Bachelors and Masters are held in software development companies, information security centers, computer network support centers, digital signal and image processing laboratories, etc.



MASTER'S PROGRAMS OF THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- Computer science and knowledge discovery (in English);
- Microsystem computer technologies: on-chip systems;
- Distributed intelligent systems and technologies;
- Software of information and computational systems.

Attendance modes: internal, limited attendance, external