



Education and Culture

Erasmus Mundus

IP-Unilink



Innovative activities in Russian Universities

The Institution



Name	St.-Petersburg Electrotechnical University (ETU)
Logo	The logo of the St.-Petersburg Electrotechnical University (ETU), featuring a circular emblem with a building illustration and the year "1886" at the bottom.
Location	Russian Federation, Saint Petersburg
<u>Number of</u>	
• Students (graduate)	- 12 000
• Students (post-graduate)	- 1 200
* Academic & Research staff	- 2 000
* Administrative staff	- 800
Main academic areas	Electrical Engineering and Automatics, Electronics, Economics and Management, Computing Technologies and Informatics, Instrumentation, Biomedical and Ecological Engineering, Radio Engineering and Telecommunications, Humanities

The Institution



Main research areas

Microwave physics and engineering;
Microwave wireless technologies;
Silicon Carbide technology and applications;
Semiconductor materials, structures and devices;
Micro-mechanical systems for extreme operating conditions;
Information technologies.

Main international cooperation partner countries

- Germany
- USA
- Finland
- UK
- France
- The Netherlands
- Sweden

The higher education sector



- Ministry responsible for HEI and R&D:
Ministry of Education and Science of the Russian Federation
- Number of HEIs in Russia: 1156 (2010)
- Private HEIs: less than 20% (2009)
- Financing of HEI's:
 - Educational process
 - State universities: more than 70% government core
 - Private universities: more than 90% student fees
 - R&D: government and non-government grants, international grants, government and non-government funds, Russian and foreign organizations (varies for each university)

R&D in the higher education sector



- Higher education institutions are active players in the R&D
- The part of newly established private universities have little interest in R&D
- Universities have to compete for government funds for basic research with Academy of Science Institutions, research and industrial companies

R&D in the higher education sector



- The universities' share of applied research provided by industry contracts is increasing
- The universities' share in basic research mostly depends on government funds

Cooperation with EU



- Priority areas regarding cooperation of universities in your country with EU:
 - Industry and Industrial Technology
 - Biology and Medicine
 - Environment and Climate
 - Information and Communication Technology
 - Energy

- Main cooperation partner countries: Germany, Finland, UK, France, The Netherlands, Sweden

Cooperation with EU



The most important documents regulating EU-Russia co-operation are:

- EU-Russia Partnership & Co-operation Agreement,
- EC-Russia S&T Co-operation Agreement,
- Euratom-Russia Co-operation Agreement in Nuclear Fusion,
- The Northern Dimension Environmental Partnership (NDEP)
- Euratom-Russia Co-operation Agreement in Nuclear Safety,
- Road-map for the Common EU-Russia Space in Research, Education & Culture.

Political Environment



Russian Federal Government programs:

- The Federal Targeted Programme «R&D in Priority Areas of Russia's Scientific and Technological Development in 2007-2012».
- The Federal Targeted Programme «Scientific and Scientific-Pedagogical Human Resources for Innovative Russia in 2009-2013».

Russian Federal legislative environment:

- The labour code of the Russian Federation №197-FL (30.12.2001).
- The civil code of the Russian Federation (4th part) № 230-FL.

Legislative Environment



Type of IPR	Subject-matter protected	Costs of protection	Duration
Copyright	Intellectual rights to works of scholarship, literature, and art are copyright rights. The following rights belong to the author of a work: the exclusive right to the work; the right of the authorship; the right of the author to his name; the right to inviolability of the work; the right to make a public of the work. (Article 1255, Civil Code)	-	The exclusive right to a work shall be effective for the whole lifetime of the author and 70 years from January 1 of the year following the year of the author's death. The exclusive right in a work created by co-authors shall be effective for the whole lifetime of the author who survives the other co-authors and 70 years from January 1 of the year following the year of his death. (Article 1281, Civil Code)
Patent	The objects of patent rights are the results of intellectual activities in the area of science and technology and the results of intellectual activities in the area of artistic design. The following shall not be objects of patent rights: 1) human cloning techniques; 2) the techniques for modifying the genetic integrity of human embryo cells; 3) the uses of human embryos for industrial and commercial purposes; 4) the other solutions inconsistent with the public interest and humane and moral principles. (Article 1349, Civil Code)	RUR 2700	The effective term of the exclusive right to an invention, utility model, industrial design, and of the patent certifying this right shall be counted from the day when the initial patent application was filed with the federal executive governmental body charged with intellectual property matters, and it shall be as follows, provided the requirements established by the present Code are met: 20 years for inventions; 10 years for utility models; 15 years for industrial design. (Article 1363, Civil Code)
Utility Model	A technical solution relating to an apparatus is protected as a utility model. A utility model is given legal protection if it is novel and industrially exploitable. (Article 1351, Civil Code)	RUR 2400	

Legislative Environment



Type of IPR	Subject-matter protected	Costs of protection	Duration
Trade Mark	A designation serving for individualizing goods of legal entities or individual entrepreneurs. (Article 1477, Civil Code)	RUR 10000	The exclusive right to a trademark shall be effective for ten years after the filing of the trademark state registration application with the federal executive governmental body charged with intellectual property matters. The effective term of the exclusive right to the trademark may be extended by ten years by application of the right holder filed during the last year of the right's effective term. (Article 1491, Civil Code)
Geographical indication	The appellation of origin of a merchandise to which legal protection is granted means a designation being or containing a contemporary or historical, official or unofficial, full or abbreviated name of a country, urban or rural inhabited settlement, locality or another geographic object, and also a designation which is derivative from such name and which has become recognize as the result of being used in respect of a merchandise whose special properties are exclusively or predominantly defined by the natural conditions and/or human factors characteristic of the given geographic object. (Article 1516, Civil Code)	RUR 10000	An exclusive right to use an appellation of origin registered by the federal executive governmental body charged with intellectual property matters, and also in other cases envisaged by an international treaty of the Russian Federation is effective on the territory of the Russian Federation. (Article 1517, Civil Code)
Plant Variety	The objects of intellectual rights to breeding achievements are the plant varieties and animal breeds registered in the State Register of Protected Breeding Achievements if these results of intellectual activity meet the requirements established by the present Code as applicable to such breeding achievements. (Article 1412, Civil Code)	RUR 2700	20 years (Article 1363, Civil Code)

Legislative Environment



Type of IPR	Subject-matter protected	Costs of protection	Duration
Traditional knowledge	Scientific, literary and artistic works promulgated after they have passed into the public domain, in as much as it concerns the rights of publishers of such works. (Article 1304, Civil Code)	-	A work that has passed into the public domain may be freely used by any person without anybody's consent or permission and without paying out a royalty. In this case, the attribution, name of the author and integrity of the work are preserved. (Article 1282, Civil Code)
Secret know-how	The production secret (know-how) is information of any nature (production, technological, economic, organizational and others), including information on the results of intellectual activities in the area of science and technology and also information on the methods of carrying out professional activities which has a real or potential commercial value due to its not being known by third persons, which is not freely accessible for third persons on a legal ground, and which are covered by a commercial secret regime introduced by the owner of that information. (Article 1465, Civil Code)	-	The exclusive right to a production secret shall keep effective as long as the confidentiality of the information making up its content exists. Once the relevant information are no longer confidential the exclusive right to manufacture secret is terminated for all right holders. (Article 1467, Civil Code)
The Right to Integrated Circuit Layout-Designs	The integrated circuit layout-design (topology) is a spatial-geometric arrangement of an array of integrated circuit elements fixed on a material medium and the interconnections thereof. Here, the integrated circuit is a microelectronic article of a final form or an intermediate form intended for performing the functions of an electronic circuit whose elements and connections are integrally formed in, and/or on the surface of, the material on the basis of which the article is manufactured. (Article 1448, Civil Code)	RUR 2100	The exclusive right to a layout-design is effective for ten years. (Article 1457, Civil Code)

Legislative Environment



Specific regulations in IP field

- The copyright in a work created in the course of duty obligations or in the performance of an assignment expressly given by the employer (service-related work) shall belong to the author of the work
- The exclusive right to exploit the service-related work shall belong to the person to whom the author is bound by employment relations (employer), unless otherwise provided in the contract concluded by the said person with the author
- The amount of the remuneration of the author for each form of use of the service-related work, and the manner of the payment thereof, shall be specified in the contract concluded by the author and employer
- The employer shall have the right to mention his name or demand such mention in connection with any exploitation of the service-related work

IP in ETU



Inter-disciplinary trainings

- The program is targeted at mid to senior management, executives and professionals with a background in science, technology or engineering who wish to specialise in the management of IP in a technology-related business.
- Involved HEI' units
 - University's technopark
 - Patent office
 - Economy faculty
- Expected effect:

More researchers are aware of the IP protection and understanding how to create a commercial product on their research.

IP in ETU



Intellectual Property Support

Professional IP support through University Innovation Complex provides:

- Consultation and support for Inventors at the University
- Consultation of Inventors in discovering patentable content in results of scientific research
- Evaluation of inventions (patentability, search for relevant publications, technical feasibility, economical exploitability), recommendation to the University for claiming or release of the service invention (alternatively, transfer of rights from free inventors)
- Education of the inventor consultants and coordination of their tasks

Expected effect:

A clear policy of IP Management in the university for inventor's support.

Thank you for your attention!

