



DIPLOMA SUPPLEMENT

This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgments, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION		
1.1	Family name(s)	Selezneva
1.2	Given name(s)	AleksandraAndreevna
1.3	Date of birth (day/month/year)	21/07/1984
1.4	Student identification number or code	S-2007-2706
2. INFORMATION IDENTIFYING THE QUALIFICATION		
2.1	Name of qualification and title conferred	Инженер (Inzhener - Engineer). Title is not conferred.
2.2	Main field(s) of study for the qualification	<i>Traffic and Navigation Control Systems</i> Speciality: Automatic Control Systems of Aircrafts
2.3	Name and status of awarding institution	Государственное образовательное учреждение высшего профессионального образования Санкт-Петербургский государственный электротехнический университет «ЛЭТИ» им.В.И.Ульянова (Ленина) (Saint Petersburg Electrotechnical University «LETI») Status: State University / under jurisdiction of the Russian Federation Ministry of Education and Science
2.4	Name and status of institution administering studies	Same as in 2.3
2.5	Language(s) of instruction/examination	Russian
3. INFORMATION ON THE LEVEL OF THE QUALIFICATION		
3.1	Level of qualification	Qualification is the second stage of higher vocational education level (Specialist) – the scale 5A of the International Standard Classification of Education (ISCED).
3.2	Official length of programme	Five and a half years of full-time study (9180 academic hours of theoretical studying according to the Russian Federation State Educational Standard), 300 ECTS Credits. In the Russian Federation the study workload is evaluated in Academic Hours (AH). One AH is 45 minutes. Workload of practical training, preparation and defense of Graduation Project is evaluated in weeks. One week of full-time study is 54 AH. One ECTS credit is approximately equal to 36 AH of total workload.
3.3	Access requirement(s)	The Certificate of Secondary (Complete) General Education (Attestat o Srednem (Polnom) Obschem Obrazovanii) and admission tests
4. INFORMATION ON THE CONTENTS AND RESULTS GAINED		
4.1	Mode of study	<i>Full-time</i>
4.2	Programme requirements	In accordance with the State Educational Standard the Specialist programme includes humanities, social economic courses, mathematical and natural science courses, general professional courses, advanced professional and special courses, at least ten weeks of professional training, preparation and defence of project for diploma and sitting for final state examination.
4.3	Programme details	Programme details include subjects, study work in ECTS credits, national grades and ECTS grades.
4.4	Grading scheme, grade distribution guidance	The national grades are based on a 2 to 5 scale. Where «excellent» (отлично - otlichno) stands for 5 out of 5; «good» (хорошо - khorosho) stands for 4 out of 5; «satisfactory» (удовлетворительно - udovletvoritelno) stands for 3 out of 5; «fail» (неудовлетворительно - neudovletvoritelno) stands for 2 out of 5. The assessment can be also made in terms of: «passed» (зачтено - zachtено) or «not passed» (не зачтено - nezachtено). The lowest passing grade is «satisfactory» (удовлетворительно) and «passed» (зачтено). Students are only permitted to enroll in the next year of study and to be awarded a Diploma if they have passing grades in each subject of the curriculum. The university grade scale is in the following correspondence with ECTS grades: «excellent» - A; «good» - C; «satisfactory» - D; «fail» - F
4.5	Overall classification	Диплом с отличием (Diplom s otlichem – Diploma with Honors)

№	Subjects Studied	Credits	National	ECTS Grade
1 semester				
1	Algebra and Geometry	4	excellent	A
2	Culture Studies	2	good	C
3	Engineering and Computer Graphics	4	excellent	A
4	Foreign Language	6	good	C
5	Information Technology	4	excellent	A
6	Mathematical Analysis	4	good	C
7	Physical Education and Sports	1	passed	A
8	Physics	5	good	C
2 semester				
9	Algebra and Geometry	4	excellent	A
10	Chemistry	5	good	C
11	Foreign Language	1	good	C
12	History of Russia	3	excellent	A
13	Information Technology	5	excellent	A
14	Mathematical Analysis	4	excellent	A
15	Physical Education and Sports	2	passed	A
16	Physics	6	good	C
3 semester				
17	Discrete Mathematics	4	good	C
18	Ecology	2	excellent	A
19	Foreign Language	1	excellent	A
20	Mathematical Analysis	6	good	C
21	Philosophy	3	excellent	A
22	Physical Education and Sports	1	passed	A
23	Physical Principles of Electronics	5	excellent	A
24	Physics	4	good	C
25	Theory of Electrical Engineering	4	excellent	A
4 semester				
26	Computers, Systems and Networks	4	good	C
27	Ethics	2	excellent	A
28	Foreign Language	1	excellent	A
29	Materials Science. Construction Materials Technology	2	excellent	A
30	Metrology, Standardization and Certification	4	good	C
31	Physical Education and Sports	2	passed	A
32	Probability Theory and Mathematical Statistics	4	excellent	A
33	Psychology	1	excellent	A
34	Theoretical Mechanics	5	excellent	A
35	Theory of Electrical Engineering	5	excellent	A
5 semester				
36	Business Communication Psychology	2	good	C
37	Electrical Machines	6	good	C
38	Fundamentals of Devices Design	4	excellent	A
39	Mathematical Fundamentals of System Theory	7	excellent	A
40	Programming and Principles of Algorithmization	5	excellent	A
41	Science of Law	2	good	C
42	Theory of Electrical Engineering	4	excellent	A
6 semester				
43	Aircraft Control Hardware	5	good	C
44	Control Theory	6	excellent	A
45	Economics Theory	3	excellent	A
46	Electronics	5	excellent	A
47	Sociology and Political Science	2	good	C
48	Theory of Automatic Control (Supplementary chapters)	2	excellent	A
7 semester				
49	Control Theory. Nonlinear Systems	6	satisfactory	D
50	Enterprise Economics	4	good	C
51	Fundamentals of Electric Drive Theory	4	good	C
52	Human Resources Management	2	excellent	A
53	Information and Measuring Systems and Devices of Aircrafts	5	excellent	A
54	Life and Activity Safety	4	excellent	A
55	Microprocessor Devices of Control Systems	5	good	C

№	Subjects Studied	Credits	National	ECTS Grade
8 semester				
56	Control Systems Modeling and Simulation	5	good	C
57	Flight Mechanics	7	excellent	A
58	Marketing	1	excellent	A
59	Optimal Process Theory	4	good	C
60	Production and Organisation Planning	4	excellent	A
61	Small Electrical Machines and Drives	1	excellent	A
62	Technology of Instrument-making and Systems	2	excellent	A
9 semester				
63	Automation of Control Systems Design	4	excellent	A
64	Fundamentals of Aircrafts Control Systems Theory	7	good	C
65	Fuzzy and Neural Control Systems	6	good	C
66	Intelligent Systems	6	good	C
67	Stochastic and Adaptive Control Systems	7	good	C
10 semester				
68	Electromechanical and Mechatronic Systems	9	good	C
69	Industrial Automation Facilities	7	excellent	A
70	Information and Control Complexes of Mobile Objects	4	good	C
71	Network Technologies for Design of Automatic Control Systems	8	excellent	A
72	Presentation of R&D Projects	2	good	C
11 semester				
1	Final State Examinations	1	excellent	A
2	Preparation and defense of the Diploma Paper: <i>"Development of client-server application using model database access"</i>	21	excellent	A
Practical Training				
1	Manufacturing Practice (8 sem.)	6	excellent	A
2	Educational Practice. Field work (6 sem.)	7	excellent	A
3	Practical Training for the Diploma (11 sem.)	8	good	C
		Total Number of Credits:	330	
Course Papers:				
1	Engineering and Computer Graphics (1 sem.)		excellent	A
2	Information Technology (1 sem.)		excellent	A
3	Information Technology (2 sem.)		excellent	A
4	Theory of Electrical Engineering (4 sem.)		satisfactory	D
5	Theoretical Mechanics (4 sem.)		excellent	A
6	Mathematical Fundamentals of System Theory (5 sem.)		excellent	A
7	Theory of Electrical Engineering (5 sem.)		excellent	A
8	Control Theory (6 sem.)		excellent	A
9	Aircraft Control Hardware (6 sem.)		excellent	A

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1	Access to further study	The Specialist Diploma gives access to the programs of the first Postgraduate level education – Kandidat Nauk (Ph.D.)
5.2	Professional Status	This Diploma gives the right to carry out professional activities in accordance with the level of education and qualification.

6. ADDITIONAL INFORMATION

6.1	Additional Information	Saint Petersburg Electrotechnical University “LETI”(SPbETU) was established in 1886 as the Engineering College of the Department of Post and Telegraph of Russia. In 1891 it was reorganised into the Imperial Institute of Electrical Engineering - the first in Europe higher education institution for training engineers and researches in the field of Electrical Engineering. SPbETU was renamed since then several times. In 1992 the Institute was granted the university status and became the first Electrotechnical University in Russia. The University was regularly accredited by State authorities, last accreditation is granted on April 05, 2007. SPbETU is considered as one of the world largest education and research centres in Radio Engineering, Electrical Engineering, Electronics and Computer Science. In 1993 the Faculty of Humanities was opened and in 1999 the Faculty of Economics and Management was organised. There are about 1100 faculty members including 130 professors and more than 700 teachers with Ph.D. degree, over 8000 students and 300 postgraduates students. Today Saint Petersburg Electrotechnical University “LETI” is one of the leading centres of higher education and research in Russia.
6.2	Additional Information Sources	Official website of SPbETU: www.eltech.ru Official website of the RF Ministry of Education: http://www.informika.ru

7. CERTIFICATION OF THE SUPPLEMENT

This Diploma Supplement is valid with the original diploma № ДИС 1234567, issued 30/06/2007

7.1	Date	30/06/2007	
7.2	Signature	7.3	Official Stamp/Seal

Rector _____ Dean _____ Secretary _____	
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8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

Higher education system of Russian Federation is constituted of two parallel brunches:
 - one-cycle (monoleveled) training system of Diploma Specialist (5 – 7 years for different specialities);
 - two-cycle (two leveled) training system: Bachelor (min 4 years) and Master (min 2 years).
 Higher professional education is based on the State Educational Standards determining requirements for structure and content of training.
 Postgraduate education includes two levels of scientific degrees: Kandidat Nauk (3 years) considered equal to Ph.D. and Doktor Nauk.

