



RUSSIAN FEDERATION  
FEDERAL STATE STATE-FINANCED EDUCATIONAL  
INSTITUTION OF HIGHER PROFESSIONAL EDUCATION  
"SOUTH URAL STATE UNIVERSITY"  
(NATIONAL RESEARCH UNIVERSITY)  
Chelyabinsk

## SPECIALIST DIPLOMA

107418 0038737

CERTIFICATE OF EDUCATION AND QUALIFICATION

*Registration number*  
051/1132

*Date of issue*  
June 17, 2014

This is the officially certified translation of the document.  
If any questions, please contact South Ural State University,  
the Institute of International Education.  
Office 303, 78в Lenin Prospect, Chelyabinsk, 454080 Russia  
tel: +7(351) 27 23 100 fax: +7(351) 27 23 111 e-mail: [perevod@susu.ac.ru](mailto:perevod@susu.ac.ru)

This is to certify that

**Alyukov  
Alexander Sergeevich**

has completed the specialist's degree program in the field  
**220201 CONTROL AND COMPUTER SCIENCE IN ENGINEERING  
SYSTEMS**

and successfully passed the final state attestation

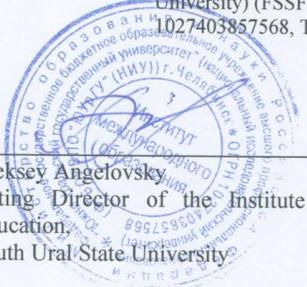
By the decision of the State Certification Board  
the qualification of an  
**ENGINEER**  
is conferred

Protocol No. 051/1-01 of June 17, 2014

*Chairman of the State  
Certification Board*      <signature>      Proshechkin N.K.

*Head of the  
Educational Institution*      <signature>      Radionov A.A.

Official seal: Ministry of Education and Science of the Russian Federation, Federal State State-Financed  
Educational Institution of Higher Professional Education "South Ural State University" (National Research  
University) (FSSFEI HPE "SUSU" (NRU)), Chelyabinsk, Primary State Registration Number  
1027403857568, Taxpayer Identification Number 7453019764

  
Aleksey Angelovskiy  
Acting Director of the Institute of International  
Education  
South Ural State University

RUSSIAN FEDERATION



FEDERAL  
STATE  
STATE-FINANCED  
EDUCATIONAL INSTITUTION  
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Chelyabinsk

TRANSCRIPT TO  
THE DIPLOMA  
of the specialist  
**107418 0043276**

Registration number  
051/1132

Date of issue  
June 17, 2014

1. INFORMATION IDENTIFYING THE HOLDER OF THE  
DIPLOMA

Last name **Alyukov**  
First name **Alexander**  
Patronymic **Sergeevich**  
Date of birth February 24, 1992

Previous certificate of education or qualification:

**Certificate of Secondary (Complete) General Education  
issued in 2009**

2. INFORMATION ON THE QUALIFICATION

By the decision of the State Certification Board  
the qualification of an

**ENGINEER**

in the field

**220201 CONTROL AND COMPUTER SCIENCE IN  
ENGINEERING SYSTEMS**

is conferred

An approved course of full-time curriculum **5 years**

NOT VALID WITHOUT DIPLOMA

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Aleksey Angelevsky  
Acting Director of the Institute of International  
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South Ural State University

4. TERM PAPERS (PROJECTS)	FINAL GRADE
Term papers defended: 1. Computer Science 2. Mathematical Basics of Systems Theory 3. Programming and Basics of Algorithmization 4. Theoretical Basics of Electrical Engineering 5. Automatic Control Theory 6. Digital Automata Term projects defended: 1. Automation of Control Systems Design 2. Computing Machines, Systems and Networks 3. Information Networks and Telecommunications 4. Design of Automation and Control Tools 5. System Software 6. Theoretical Mechanics 7. Facilities of Local Automation and Control Systems 8. Electric Facilities of Automation and Control 9. Electronic Tools of Automation and Control	excellent good excellent good good excellent good good good good excellent good good good excellent

5. ADDITIONAL INFORMATION

The educational institution was renamed in 2011.

The old full official name of the institution is State Educational Institution of Higher Professional Education "South Ural State University".

Mode of study: full-time

Head of the Educational Institution

<signature>

Radionov A.A.

Official seal: Ministry of Education and Science of the Russian Federation, Federal State State-Financed Educational Institution of Higher Professional Education "South Ural State University" (National Research University) (FSSFEI HPE "SUSU" (NRU)), Chelyabinsk, Primary State Registration Number 1027403857568, Taxpayer Identification Number 7453019764

The Diploma Transcript contains 4 pages.

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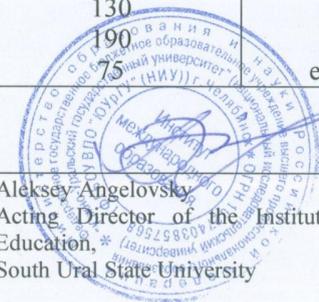
### 3. INFORMATION ON THE PROGRAM CONTENTS AND THE RESULTS GAINED

Course title, type of practical training	Hours total	Final grade
1. Foreign Language (English)	340	excellent
2. Physical Education	408	excellent
3. History of Russia	120	excellent
4. Psychology and Pedagogy	106	passed
5. Social Science	38	passed
6. Philosophy	130	excellent
7. Economics	120	excellent
8. Mathematics	810	excellent
9. Computer Science	220	excellent
10. Physics	520	good
11. Chemistry	80	excellent
12. Ecology	70	passed
13. Engineering and Computer Graphics	120	passed
14. Theoretical Mechanics	140	good
15. Theoretical Basics of Electrical Engineering	260	good
16. Electronic Engineering	100	good
17. Automatic Control Theory	360	good
18. Metrology, Standardization and Certification	130	excellent
19. Life Safety	100	excellent
20. Organization and Planning of Production	80	excellent
21. Programming and Basics of Algorithmization	130	excellent
22. Computing Machines, Systems and Networks	170	excellent
23. System Simulation	170	passed
24. Russian Language and Standards of Speech	70	passed
25. Political Science	130	passed
26. Jurisprudence	70	passed
27. Cultural Studies	75	passed
28. Orthodoxy in Russia	80	passed
29. Financial Management	75	passed
30. Methods and Techniques of Sociological Research	40	passed
31. Digital Automata	75	passed
32. Physical Basics of Electrical and Electronic Engineering	75	passed
33. Discrete Mathematics: Special Chapters	30	excellent
34. Mathematical Basics of Systems Theory	120	excellent
35. Electronic Tools of Automation and Control	164	good
36. Electromechanical Control Systems	56	passed
37. Microprocessor Tools of Control Systems	110	passed
38. Automation of Schematic Design of Electronic Tools	110	passed
39. Facilities of Local Automation and Control Systems	150	excellent
40. System Software	140	excellent
41. Information Support of Control Systems	120	excellent
42. System Identification and Diagnostics	150	passed
43. Information Networks and Telecommunications	150	excellent
44. Automated Information and Control Systems	120	good
45. Automation of Control Systems Design	170	good
46. Measuring Tools of Automation and Control	127	good
47. Local Computing Networks	130	passed
48. Electric Facilities of Automation and Control	190	good
49. General Communication Theory	75	excellent

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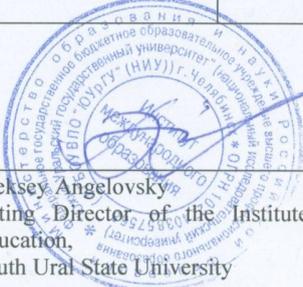
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 South Ural State University



Course title, type of practical training	Hours total	Final grade
50. Design and Technology of Automation and Control Tools Production	153	good
51. Design of Automation and Control Tools	135	passed
Practical training:	16 weeks	x
1. Engineering training, 2 <sup>nd</sup> semester	2 weeks	good
2. Engineering training, 6 <sup>th</sup> semester	4 weeks	excellent
3. Engineering training, 8 <sup>th</sup> semester	4 weeks	good
4. Pre-Graduation training, 10 <sup>th</sup> semester	6 weeks	excellent
Final state attestation including:	18 weeks	x
State examination	x	good
Graduate qualification work on the subject "Algorithmic and Software Support of the Control System for Autonomous Wheel Platform"	x	excellent
General workload of the educational program including the amount of student's work in cooperation with lecturers	260 weeks	x
	4194	x

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