

# Academic Transcript

## INSTITUTE OF ENGINEERING PHYSICS AND RADIO ELECTRONICS

Alexander Sergeevich Tretyakov

| №  | Course   | Number of Hours | Year | Term | Grade     |
|----|--|-----------------|------|------|-----------|
| 1  | Simulation and Optimization Methods  | 108             | 1    | 2    | Passed    |
| 2  | Research in the term   | 216             | 1    | 2    | Passed    |
| 3  | Computer Technologies in Science and Industry in the Field of Communications       | 180             | 1    | 2    | Excellent |
| 4  | Modern Information Technologies  | 180             | 1    | 2    | Excellent |
| 5  | Foreign Language (English)   | 72              | 1    | 2    | Passed    |
| 6  | Foreign Language (English) in Scientific and Production Activity                   | 180             | 1    | 2    | Passed    |
| 7  | Fiber-Optics Communication Lines   | 144             | 1    | 2    | Excellent |
| 8  | Industry Practical Training Internship   | 216             | 2    | 3    | Excellent |
| 9  | Theory of Electromagnetic Compatibility of Radio Electronic Facilities and Systems | 144             | 5    | 9    | Excellent |
| 10 | Philosophical and Psychological Problems of Creativity                             | 108             | 5    | 9    | Passed    |
| 11 | Psychology and Pedagogics (of Higher School)                                       | 108             | 5    | 9    | Passed    |
| 12 | Foreign Language (English)   | 108             | 5    | 9    | Excellent |
| 13 | Foreign Language (English) in Scientific effort and Production Activity            | 72              | 5    | 9    | Passed    |
| 14 | Theory of Telecommunication Networks and Systems Building                          | 0               | 5    | 9    | Excellent |
| 15 | Theory of Telecommunication Networks and Systems Building                          | 180             | 5    | 9    | Excellent |
| 16 | Modern Problems of Science and Industry in the Field of Infocommunications         | 180             | 5    | 9    | Excellent |
| 17 | Research in the term   | 216             | 5    | 9    | Passed    |

Acting Director of IEPRE

(signature) M.S. Lobasov

(Institute of Engineering Physics and Radio Electronics)

(Seal)

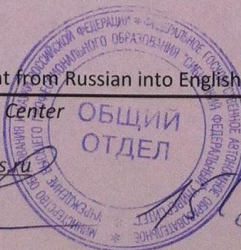
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Translator, National and International Foundations' Center

R&D Department of Siberian Federal University

Tel.: +7 (391) 206 26 93; e-mail: NEdwards@sfu-kras.ru

Dr. Natalie Edwards



*January 2015*



Russian Federation  
The City of Krasnoyarsk  
Federal State Autonomous Education Institution of Higher Education  
"SIBERIAN FEDERAL UNIVERSITY"

**Diploma**

РБ № 14537

*By the decision of the State Qualification Commission*

On 28 June 2013

Alexander Sergeevich Tretyakov

**Is conferred the BACHELOR degree**

In Technics and Technologies

(speciality "Telecommunications")

Chairman of the State Qualification Commission (signature)

Rector (signature)

(Seal)

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This diploma is a state document of higher education

Registration number 2/2668 28 June 2013

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The city of Krasnoyarsk  
Federal State Autonomous Education Institution of Higher Education  
"Siberian Federal University"

**Diploma Supplement**

№ РБ 14537

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Dr. Natalie Edwards





Dean (signature)

Secretary (signature)

(Seal)

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Last name, first name middle name: **Alexander Sergeevich Tretyakov**

Date of birth: 28 November 1991

Previous education certificate: (full) secondary school certificate received in 2009

Entrance examinations: passed

2009 - entered into the Federal State Autonomous Education Institution of Higher Education

"Siberian Federal University" (full-time program)

2013 – completed the program at Federal State Autonomous Education Institution of Higher Education

"Siberian Federal University" (full-time program)

Standard education period – 4 years (full-time program)

Speciality "Telecommunications"

Specialization: N/A

Term papers:

1. Informatics, good
2. Theory of Electrical Communications, good
3. Basics of Circuit Technologies, good
4. Basics of Computer-aided Design and Modeling of Radio Electronic Facilities, satisfactory
5. Theory of Tele-traffic, good
6. Commutation Systems, good
7. Computer Engineering and IT, excellent
8. Guiding Systems of Electical Communications, excellent

Internships:

Industry Practical Training, 4 weeks, good

Final state examinations:

Interdisciplinary Examination in Specialty, excellent

Final Qualification Paper (diploma):

"Topology of Systems of Departmental Phone Communications Based on SIP (Session Initiation Protocol)", 6 weeks, excellent

The diploma gives the right to professional activity in compliance with the status of education and qualification.

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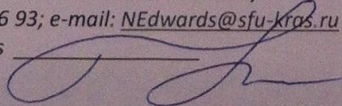
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15 January 2015



During the course of study the student passed credits, interim and final examinations in the following subjects:

|    | Course   | Total number of hours | Final Grade  |
|----|--|-----------------------|--------------|
| 1  | Homeland History   | 128                   | excellent    |
| 2  | Foreign Language (English)   | 336                   | good         |
| 3  | Philosophy   | 128                   | Excellent    |
| 4  | Sports Training  | 420                   | Passed       |
| 5  | Economics  | 128                   | Excellent    |
| 6  | Political Science  | 120                   | Excellent    |
| 7  | Mathematics  | 652                   | Satisfactory |
| 8  | Informatics  | 300                   | Good         |
| 9  | Physics  | 633                   | Satisfactory |
| 10 | Chemistry  | 102                   | Good         |
| 11 | Ecology  | 70                    | Passed       |
| 12 | Discrete Mathematics   | 85                    | Passed       |
| 13 | Probability Theory and Mathematical Statistics                           | 153                   | Passed       |
| 14 | Electromagnetic Fields and Waves   | 153                   | Excellent    |
| 15 | Physical Basics of Electronics   | 102                   | Good         |
| 16 | Chemistry of Radio-Materials   | 100                   | Passed       |
| 17 | Engineering and Computer Graphics  | 102                   | Passed       |
| 18 | Basics of Circuit Theory   | 280                   | Excellent    |
| 19 | Electronics  | 93                    | Passed       |
| 20 | Basics of Circuit Technology   | 112                   | Satisfactory |
| 21 | Power Supply of Devices and Telecommunication Systems                    | 93                    | Good         |
| 22 | Metrology, Standardization, Certification                                | 110                   | Good         |
| 23 | Health and Safety  | 100                   | Excellent    |
| 24 | Protection of a Territory and Population in Emergency Situations         | 70                    | Passed       |
| 25 | Theory of Electrical Communications                                      | 272                   | Good         |
| 26 | Computer Engineering and Information Technologies                        | 102                   | Excellent    |
| 27 | Basics of Telecommunication Systems and Networks Building                | 128                   | Good         |
| 28 | Telecommunication Management   | 68                    | Passed       |
| 29 | Cultural science   | 108                   | Passed       |
| 30 | Psychology and Pedagogics  | 54                    | Passed       |
| 31 | Russian Language and Standard of Speech                                  | 54                    | Passed       |
| 32 | Law  | 54                    | Passed       |
| 33 | Queuing Theory   | 89                    | Good         |
| 34 | Reliability theory   | 61                    | Passed       |
| 35 | Basics of Automatic Switching  | 136                   | Passed       |
| 36 | Introduction to Specialty  | 34                    | Passed       |
| 37 | Sociology  | 68                    | Passed       |
| 38 | Business foreign language  | 66                    | Passed       |
| 39 | Communication Economics  | 136                   | Good         |
| 40 | Circuit Technology of Digital Devices                                    | 100                   | Passed       |
| 41 | Basics of Computer-aided Design and Modeling of Radio-electronic Devices | 100                   | Passed       |
| 42 | Switching Systems  | 238                   | Good         |
| 43 | Theory of Tele-traffic   | 167                   | Excellent    |
| 44 | Guiding Systems of Electrical Communications                             | 153                   | Excellent    |
| 45 | Digital Transmission Systems   | 136                   | Good         |
|    | <b>Total</b>   | <b>6894</b>           |              |
|    | including in-auditorium hours  | 3675                  |              |

In 2010 Federal State Educational Institution of Higher Education "Siberian Federal University" was renamed into Federal State Autonomous Educational Institution of Higher Education "Siberian Federal University" by Resolution of the Russian Government No. 12-p of January 16, 2010.

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