

# **Andrey Philippovich**

## **SUMMARY**

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- Ph.D., Professor of the Department "Automated Control Systems", Bauman Moscow State Technical University
- Chief of the Science and Education Cluster in the field of Computational Linguistics, Artificial Intelligence and Multimedia (CLAIM)
- Chief Executive Deputy of the Multivendor and Academic ICT Consortium
- Editor of the Rubric «ICT in Education», Magazine «Quality of Education»
- IT-education consultant (20+ projects)

## **CONTACTS**

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**E-mail:** [aphilippovich@it-claim.ru](mailto:aphilippovich@it-claim.ru)  
**E-page:** <http://it-claim.ru/andrey>  
**FB-page:** <http://facebook.com/aphilippovich>  
**Twitter:** [http://twitter.com/A\\_Philippovich](http://twitter.com/A_Philippovich)

## EDUCATION & DEGREE

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<b>Docent</b> , Automated Processing and Control Systems	<b>2006</b>
<b>Ph.D. (technical sciences)</b> , speciality "Automation and Control Process system"	<b>2004</b>
<b>Engineer</b> , speciality "Automated Processing and Control Systems", Bauman Moscow State Technical University.	<b>2002</b>
<b>bachelor</b> in the field of "Informatics and computing machinery", Bauman Moscow State Technical University.	<b>2000</b>
<b>Grade 12 Diploma</b> — High School, Moscow, Russia	<b>1996</b>
<b>Laboratory Programmer</b>	<b>1995</b>

## MEMBERSHIP

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<b>2012 – present</b>	Member of the expert group of the Ministry of education and science of Russia
<b>2012 – present</b>	Expert of the UNESCO Institute for Information Technologies in Education
<b>2009 – present</b>	Chief Executive Deputy of Multivendor and Academic ICT Consortium <a href="http://facebook.com/MAC.ICT">http://facebook.com/MAC.ICT</a>
<b>2008 – present</b>	Coordinator of the Educational and Methodical Union of Polytechnic Universities in Russia for communication with employers in the field of ICT <a href="http://technical.bmstu.ru">http://technical.bmstu.ru</a>
<b>2006 – present</b>	Chief of the Science and Education Cluster in the field of Computational Linguistics, Artificial Intelligence and Multimedia (CLAIM) <a href="http://it-claim.ru">http://it-claim.ru</a>
<b>2003 – present</b>	Member of the Leading Scientific School of Russia "Russian Language Person" (Head of the school – Corresponding Member of Russian Academy of Science Jury Karaulov) <a href="http://karaulov.it-claim.ru/">http://karaulov.it-claim.ru/</a>
<b>2004 – 2008</b>	Scientific secretary of the Educational and Methodical board «IT in Education», Educational and Methodical Union of Polytechnic Universities in Russia

## AWARDS

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<b>2014</b>	Memorial sign from Microsoft "For personal contribution to the development of IT-education and training of world-class IT-specialists" // reward timed to the 20th anniversary of cooperation Microsoft with Bauman MSTU.
<b>2013</b>	The laureate of the national competition of young teachers of Russian universities, 2 <sup>nd</sup> place in the category "Information Technologies".
<b>2012</b>	The Honorable Sign for continuous supporting of e-learning in Russia, International educational forum "The world on the path to a Smart Society"
<b>2011, 2010, 2006</b>	The Best Teacher of the Bauman Moscow State Technical University
<b>2011</b>	The winner of the competition "Teacher-ONLINE", the winner of the competition "Young teachers of Russian universities", Potanin's charitable foundation
<b>2011</b>	Grand prize, The competition of innovation projects of the 5th International Exhibition «Global education' 2011». Best project in High Education.
<b>2009</b>	Silver Sign of the State Institute of Information Technologies and Telecommunications for contribution into the development of ICT in science and education
<b>2008</b>	The winner of the competition "Young scientists" of Bauman Moscow State Technical University
<b>2007</b>	The winner of the Young Russian scientists competition to receive the grant of the President of Russian Federation

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## WORK EXPERIENCE

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### MAIN WORK

- 2003 – present**      **Bauman Moscow State Technical University (BMSTU)**  
*Professor, Department "Automated Control Systems".*  
Delivering and teaching author's courses on Artificial Intelligence, Computational linguistics, IT Curriculum design, Automated system's architecture, etc.
- 2000 – 2003**      **Moscow State University of Printing Arts**  
*Assistant, Department "Information Technologies".*  
Delivering and teaching author's courses: Polygraph prepress hardware and software, Algorithmic languages and program coding, Software engineering, Artificial Intelligence systems, Database theory, Computational linguistics, Multimedia coding. Tutor students.
- 1999 – 2000**      *Prepress technologist, Engineer of Electronic publishing technologies laboratory.*
- 1999 – 2000**      **The research institute of Space Device Building**  
*Programmer and researcher*

### CONTRACTS

- 2008 – 2013**      **Chief of Laboratory of Technical Education in Russia, BMSTU**  
R&D projects in the field of the design, development, consulting, and implementation State educational standards, curriculums of ICT, validating educational literature, Bologna process, credits accumulation and transfer systems, modular education, information and communication technologies (ICT), vendor-based education and vocational training (VET), scientific social networks and etc..
- 2007 – 2008**      **Russian Presidential Academy of National Economy, head of educational department "Information systems and technologies"**  
Design, development, consulting, and implementation bachelor and master programs "Information systems and technologies", IT-curriculums, text books, etc.
- 2005 – 2007**      **Training center «Networking Academy LANIT», head of consulting division**  
Design, development, consulting, and implementation VET-systems, competency frameworks, educational programs for the Federal Customs Service of Russia, Federal Agency of Education, Scientific Research Institute Voskhod, RosEvroBank, GazPromBank, etc.
- 2004 – 2005**      **REDLAB Ltd., head of department "Education and Science Research"**  
*Design, development, consulting, and implementation special educational modules SAP R/3. Strategic planning, architecture design, preparing grant documentation, show presentation and outsourcing management.*
- 1995 – 2005**      **The institute of Linguistics of Russian Academy of Sciences, The institute of Russian Language of Russian Academy of Sciences, Department of Experimental Lexicography Moscow institute after Dashkova, etc.**  
Design, development new technologies in the field of historical and modern linguistics. Design and development computer fonts and databases.

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### PERSONAL INFORMATION

<b>Birthplace and birthday</b>	Moscow, 14.03.1979
<b>Family, children</b>	Married, 3 children
<b>Hobby</b>	Aikido, Snowboarding, Rafting
<b>Additional information</b>	<a href="http://it-claim.ru/andrey">http://it-claim.ru/andrey</a>

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## MAIN R&D PROJECTS IN THE FIELD OF EDUCATION

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- 2013-2014 **Design educational modules and curriculums based on requirements of WorldSkills standards** // The Ministry of Education and Science, WorldSkills Russia (<http://worldskills.ru/>).
- 2013-2014 **TOP-curriculum "ICT and Networking engineering" based on Cisco Networking Academy courses** // Cisco Systems
- 2013-2014 **Strategy of the national lifelong learning system** // The Ministry of Education and Science.
- 2013 **State Professional Standard "Digital Media specialist"** // The Ministry of Labour and Social Protection, Information & Computer Technologies Industry Association, MAC ICT, etc. (<http://fb.com/groups/ps.web/>)
- 2013 **Integrating 1C-company certified courses into Russian technical universities' IT curriculums and TOP-curriculum «1C-Developer»** // 1C-company, MAC ICT (<http://1c.ru/top> & <http://it-claim.ru/top>)
- 2012 **Analytical survey of teacher training programmes and courses implementing in Russia and analysis for compliance with UNESCO ICT-CFT** // IITE UNESCO
- 2011 **Adaptation of the European framework for ICT Professionals in Russia** (The Russian translation submitted by National Committee for Standardization and placed on European Commission e-Skills Website - <http://www.ecompetences.eu/> ) // Softline, MAC ICT
- 2011 **Concept of the System of Assessment and Certification centers in the field of ICT in Russian Federation** (The Federal Programme Of the Ministry of Education and Science) // Moscow energetic university, MAC ICT, Lanit
- 2010-2011 **Integrating Cisco Networking Academy courses into Russian technical universities' IT curriculums** // Project of the Information & Computer Technologies Industry Association and Russian Union of Rectors Commission. <http://it-claim.ru/top>
- 2010-2011 **Designing navigator and educational modules based on free online Microsoft resources for ICT-teachers** // Microsoft, Bauman MSTU
- 2009-2011 **Methodic of Curriculum design with requirements of Business in the field of ICT** (The Federal Programme Of Ministry of Education and Science ) // Bauman MSTU
- 2008 **Concept of the National Lifelong learning system in the field of ICT** // Ministry of IT, Bauman MSTU
- 2008 **Modernization of the National System of Additional Qualifications and Federal State Requirements for educational programs** // Bauman MSTU, Federal Education Development Institute. <http://technical.bmstu.ru/LTEP/Projects/DPO/index.htm>
- 2007 **Integrating Microsoft official academic courses into Russian technical universities' IT curriculums** // Bauman MSTU, Microsoft, Softline <http://it-claim.ru/Projects/UMO&MS/index.htm>
- 2005-2006 **Educational Strategy and training programs in the field of ICT of the Federal Customs Service of Russia** // Lanit, Federal Customs Service of Russia
- 2005 **Strategy of Development of Unified Information Educational Space 2006-2010 years** (The Federal Programme Of Ministry of Education and Science) // IBS, Redlab
- 2004 **Credit systems and main approaches of automating educational process based on credit systems** // Redlab
- 2003 **Proposals on the List of Specialities in the Field of Integrated Automated Information Systems** (The Federal Programme Of Ministry of Education and Science) // Bauman MSTU, Moscow State University.
- 2002 – 2003 **Delivering the State Educational Standard for education by speciality «Computer Linguistics and Semiotics (220X00)»** // Bauman MSTU,
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## PhDs

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- 2013 *Alexander Panchenko* - **Similarity Measures for Semantic Relation Extraction**  
The degree of Doctor of Philosophy, Catholic University of Louvain, Center for Natural Language Processing
- 2010 *Ivan Neiskiy* – **Methodology of adaptive data clustering based on integration of MST and Fuzzy C-means methods**  
Ph.D. (technical sciences, "Foundations of information science"), Bauman MSTU – Moscow State University of Printing Arts
- 2008 *Elena Konnova* - **Methodology of business process reengineering based on the integration of methods of structural analysis, expert systems and formal grammars**  
Ph.D. (technical sciences, "Foundations of information science"), Bauman MSTU – Moscow State University of Printing Arts

## GRANTS

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- 2011-2013 **Computer Semiography**  
Decoding and systemize Russian znamenny (semiographic) chants (XI-XVII centuries). Building musical and idiophone thesauri and ontologies. // Russian Foundation for the Humanities (<http://it-claim.ru/semio>)
- 2007-2009 **SIE-modelling Theory**  
Design the methodology of integration and convergence of different decision support systems (Situational, Simulation, Expert, Neurogenetic, Fuzzy, Semiotic and other) // Grant of the President of Russian Federation
- 2006-2008 **Information system of associative experiments**  
Design methods and tools for automated building associative thesauri, modeling and analysis of language consciousness. (<http://it-claim.ru/asis>)  
// Russian Foundation for the Humanities

## MAIN PUBLICATIONS

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- 2014 **Recommendations for integrating the certified training courses of “1C” company into the universities’ curriculums. 2<sup>nd</sup> Edition,** edited by A. Yu. Philippovich. 1C-Publishing, Moscow, 2013, 152 p.  
<http://it-claim.ru/Library/andrey/books.htm>
- 2013 **Recommendations for integrating certified training courses of “1C” company into universities’ curriculums,** edited by A. Yu. Philippovich. 1C-Publishing, Moscow, 2013, 72 p.  
[http://1c.ru/top/1C\\_Reccomend\\_UMO.pdf](http://1c.ru/top/1C_Reccomend_UMO.pdf)
- 2012 Philippovich A., Ovsyannikov S. **TOP-curriculum «ICT basics and networking administration»** // Moscow, MAC ICT, 2012 -117 p.  
[http://it-claim.ru/Library/Books/CNA\\_book.pdf](http://it-claim.ru/Library/Books/CNA_book.pdf)
- 2010 Philippovich A., Korshunov S. Derbenev E. **Design IT curriculums for HE and VET** // edited by A. Philippovich. – M.: Laboratory of Technical Education in Russia, Bauman MSTU, 2010. – 134 p.  
[http://it-claim.ru/Library/Books/SbornikPetrSU\\_2010.pdf](http://it-claim.ru/Library/Books/SbornikPetrSU_2010.pdf)
- 2010 **Bulletin of Multivendor and Academic ICT Consortium** // Articles composed and edited by A. Philippovich, Moscow, ECOM, 2010. – 80 p  
[http://it-claim.ru/Library/Books/Vestnik ICT\\_2010.pdf](http://it-claim.ru/Library/Books/Vestnik ICT_2010.pdf)
- 2008 Philippovich A., Korshunov S. **Integrating Microsoft official academic courses into Russian technical universities’ IT curriculums (Russian version)** // Monograph - Moscow, ECOM, 2008. – 212 p.  
<http://it-claim.ru/Library/Books/MOAC/index.htm>
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- 2008 Philippovich A., Korshunov S., Volpian N. **Integrating Microsoft official academic courses into Russian technical universities' IT curriculums** // Special edition - prepared for European E-skills Conference 2008 and Russia-China conference "Innovation in Engineering Education - 2008". - Moscow, 2008. — 77 p. (**English version**)  
[http://it-claim.ru/Library/Books/MOAC/Book\\_MOAC\\_Eng\\_with\\_Cover.pdf](http://it-claim.ru/Library/Books/MOAC/Book_MOAC_Eng_with_Cover.pdf)
- 2005 Philippovich A. **Credit system in Education: automation aspect** // Monograph - Moscow, Educational and Methodical board «IT in Education», 2003. - 300 p.  
[http://it-claim.ru/Library/Books/Credit\\_System/book.htm](http://it-claim.ru/Library/Books/Credit_System/book.htm)
- 2003 Philippovich A. **Integration of the Situation, Simulation, and Expert Modelling Systems.** // Monograph - Moscow, Laboratory of Technical Education in Russia, Bauman MSTU, 2003. - 300 p.  
[http://it-claim.ru/Library/Articles/publications\\_Philippovich\\_Andrew/mypublicationsinet/mypublicationsinet.HTM#AlandSIE](http://it-claim.ru/Library/Articles/publications_Philippovich_Andrew/mypublicationsinet/mypublicationsinet.HTM#AlandSIE)
- 2002 Philippovich Yu. Philippovich A. **Computer index of sources of The Hand-written Ancient Cardfile and The Dictionary of Russian Language of the XI-th – XVII-th centuries** // Monograph - Moscow, Moscow State University of Printing Arts, 2002. - 423 p.  
<http://it-claim.ru/Library/Books/IndexOfSources/content.htm>
- 2001 Philippovich Yu., Chernisheva M. Philippovich A. **Helper tome of the Dictionary of Russian Language of the XI-th – XVII-th centuries. 3 part. Backward wordlist** // Moscow, Publ. House "Science", 2001- p.p. 393-813.
- 1996 - present *140+ scientific and methodical publications -*  
<http://it-claim.ru/andrey>

## LAST ARTICLES

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- 2013 Philippovich, A.: **Integrating vendors educational content and official courses into Russian technical universities' IT curriculums**, ICETA 2013 Proceedings 10th IEEE International Conference on Emerging eLearning Technologies and Applications, 2013.  
<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6674450>
- 2013 Alexander Panchenko, Pavel Romanov, Olga Morozova, Hubert Naets, Andrew Philippovich, Cedrick Fairo. **Lexico-Semantic Search Engine "Serelex"** // The annual European Conference on Information Retrieval - 35th ECIR, 2013  
[http://link.springer.com/content/pdf/10.1007/978-3-642-36973-5\\_97](http://link.springer.com/content/pdf/10.1007/978-3-642-36973-5_97)
- 2013 Yu. N. Philippovich, A. Yu. Philippovich, **"Dynamic infocognitive model of verbal consciousness"** // Neurocomputers; Design & Applications, №1 2013, pp. 13-22.  
<http://www.radiotec.ru/catalog.php?cat=jr7&art=12340>
- 2013 A. Yu. Philippovich, **"Typical educational curriculums as the effective tool for the interaction between universities and employers"** // Quality of education, august 2013, pp. 54-58.  
[http://technical.bmstu.ru/LTEP/Projects/Vestnik/2013/ko\\_08\\_2013.pdf](http://technical.bmstu.ru/LTEP/Projects/Vestnik/2013/ko_08_2013.pdf)
- 2013 A. Yu. Philippovich, **"New wave of professional standards"** // Quality of education, September 2013, pp. 4-9.  
[http://technical.bmstu.ru/LTEP/Projects/Vestnik/2013/ko\\_09\\_2013.pdf](http://technical.bmstu.ru/LTEP/Projects/Vestnik/2013/ko_09_2013.pdf)
- 2012 A. Yu. Philippovich, Golubeva I.V., **«Research of syntax of semiographic chants»** // Proceedings Of Higher Educational Establishments. Problems polygraphy and publishing industry – Moscow: MGUP, 2012. – №6.  
[http://compsemiografy.ru/lib/philippovich\\_golubeva\\_mgup\\_2012.pdf](http://compsemiografy.ru/lib/philippovich_golubeva_mgup_2012.pdf)
- 2012 A. Yu. Philippovich, **"Scientific and Educational cluster on the Internet,"** Quality of education, September 2012, pp. 40-45.  
[http://technical.bmstu.ru/LTEP/Projects/Vestnik/2012/ko\\_09\\_2012.pdf](http://technical.bmstu.ru/LTEP/Projects/Vestnik/2012/ko_09_2012.pdf)
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