Andrey Breslav

Contact Information

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Research Directions

- Textual Syntax for Domain-Specific Languages

    - Modular and Reusable Syntax Definitions

- Domain Modelling (in terms of MOF/Ecore)

- Generative Programming

Education and Research Experience

2007 – until now	Researcher, Saint-Petersburg State University of Information Technology, Mechanics and Optics, Mathematics Department, scientific adviser Professor Igor Yu. Popov
2007	Master's Degree with Honors in Applied Mathematics and Information Sciences, Saint-Petersburg State University of Information Technology, Mechanics and Optics, Computer Technology Department, GPA 4.9 of 5
2005	Bachelor's Degree with Honors in Applied Mathematics and Information Sciences, Saint-Petersburg State University of Information Technology, Mechanics and Optics, Computer Technology Department, GPA 4.96 of 5

Publications

- A. Breslav, *Creating Programming Language Dialects Using Grammatical Aspects*, In Pre-Proceedings of KNIT-2009, Saratov, 2009 (In Russian, published electronically)

- A. Breslav, *Techniques for Formal Grammar Reuse and Their Applications for Creating Dialects*, In Proceedings of Pan-Russian Conference KMU-2009, Saint-Petersburg, Russia, April, 2009 (In Russian, abstract in English)

- A. Breslav, *Applying MDD and AOP Principles to Grammarware development*, In Proceedings of Pan-Russian Conference KMU-2008, Saint-Petersburg, Russia, April, 2008 (In Russian, abstract in English)

- A. Breslav, A. Lukianova, M. Korotkov, *Building Class Hierarchies from Informal English Descriptions*, presented in English on JASS-2004, published in Nauchno-Technicheskiy Vestnik SPbSUIFMO, Vol 39., 2007, pp. 294-303 (In Russian, abstract in English)

- A. Breslav, A. Efremov, M. Korotkov, *Improving Distance Learning of the Humanities Using RemEd Online system*, In Proceedings of The 6th IST/IMS-2003 Conference, Saint-Petersburg, Russia, 2003 (In Russian, abstract in English).

Grants and Schools

- An "UMNIK" grant from the *FAISE Foundation*, 2009

- A grant from *The Annual Grant Competition for Young Researchers*, Saint-Petersburg, 2008

- Teaching support grants from

  - Digital Design (2003–2004)
  - Borland Labs Inc (2004–2005)

- 14th and 15th Estonian Winter Schools In Computer Science, Palmse, 2008 and 2009

- Joint Advanced Summer School 2004, Staint-Petersburg

Teaching

2006 – 2009	*Lecturer* at Saint-Petersburg State University of Information Technology, Mechanics and Optics,
2003 – 2009	*Teacher of Informatics* in Physics-And-Mathematics Lyceum N239, Saint-Petersburg

Courses given

- Introduction to Programming

- Algorithms and Data Structures

- Object-Oriented Programming

- Java Programming Language

- Software Design

Software development

2005 – 2006	Borland Labs, Inc., R&D Engineer (Java developer) in Together for Eclipse project, MDA team: work on QVT language implementation, Eclipse plug-in development and integration, EMF modeling, using QVT and XSL/OCL in generative programming samples.
2003	UI development (Delphi) for a suite for automatically planning routs for air photography.
2004	System administrator in a small hotel ("The Brothers Karamazov hotel").
2004 – 2005	Web development in several projects (PHP, MySQL). Examples: http://www.uskov.ru, http://www.karamazovhotel.ru.

Skills

Technical	Java, C++, Pascal/Delphi, JavaScript, SQL, XML, XSLT/XPath, HTML/CSS, LaTeX, Linux, Windows
Languages	Russian – native, English – fluent