

Vitaly Bragilevsky

Curriculum Vitae

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🐦 VBragilevsky



Education

1997–2001 **B.Sc. in Applied Mathematics and Computer Science**, *Rostov State University*, Rostov-on-Don, Russia, *with honours*.

2001–2003 **M.Sc. in Applied Mathematics and Computer Science**, *Rostov State University*, Rostov-on-Don, Russia, *with honours*.

Master thesis: «Singular-type operators in the spaces of vector-valued functions», under supervision of prof. V.S. Pilidi.

Other

- 10th Annual Oregon Programming Languages Summer School (Types, Semantics and Verification), University of Oregon, Eugene, OR, USA, June 16–July 1, 2011.
- Summer School Marktoberdorf 2011 (Tools for Analysis and Verification of Software Safety and Security), Bayrischzell, Germany, August 2–14, 2011.
- Short course in iOS-applications Development, National Research University «MPEI», Moscow, Russia, June 14–19, 2015.

Experience

Academy

2003–present **Senior Lecturer**, *Southern Federal University, I.I. Vorovich Institute of Mathematics, Mechanics and Computer Science*, Rostov-on-Don, Russia.

Current Courses: Theory of Computations (since 2012), Data Visualization (since 2016), Programming Paradigms and Technologies (since 2017).

Past Courses: Abstract Algebra and Number Theory, Computational Complexity, Web/XML-technologies, Computer Networks, Distributed Systems, Operating Systems, Java Programming, Python Programming, Computer Methods in Discrete Mathematics, Certified Software Development, Category Theory, Functional Programming (2009–2017).

2007–present **Curriculum Designer**, *Southern Federal University, I.I. Vorovich Institute of Mathematics, Mechanics and Computer Science*, bachelor and master programs in Theoretical Computer Science and Information Technologies.

February 2017 **Invited Lecturer**, *CS Club (St. Petersburg, Russia)*, Programming in Idris with Dependent Types.

July 2017 **Invited Lecturer**, *Summer School on Contemporary Mathematics (Dubna, Russia)*, Curry—Howard Correspondence: from Logic to Programming and Back Again.

November 2017 **Invited Lecturer**, *Higher School of Economics (Moscow, Russia)*, Functional Programming with Dependent Types in Idris.

March 2018 **Invited Lecturer**, *CS Club (St. Petersburg, Russia)*, The Glasgow Haskell Compiler: Theory of Programming Languages at Work.

June 2018 **Invited Lecturer**, *LambdaConf (Boulder, CO, USA)*, The Type Theory Behind the Glasgow Haskell Compiler Internals.

Publishing

- 2012 **Translation Editor**, *M. Lipovača. Learn you a Haskell for Great Good*, DMK Press (in Russian).
- 2013 **Translator**, *G. Dowek, J.-J. Lévy. Introduction to the Theory of Programming Languages* (with Artem Pelenitsyn), DMK Press (in Russian).
- 2013 **Translator**, *R. Bird. Pearls of Functional Algorithm Design* (with Artem Pelenitsyn), DMK Press (in Russian).
- 2014 **Translator**, *S. Marlow. Parallel and Concurrent Programming in Haskell*, DMK Press (in Russian).
- 2016 **Translation Editor**, *C. Okasaki. Purely Functional Data Structures*, DMK Press (in Russian).
- 2015–present **External Reviewer and Technical Proofreader**, Manning Publications.

Miscellaneous

- 2002–2017 **Teacher**, *Computer School for children (Southern Federal University)*, Rostov-on-Don, Russia.
- 2016–present **Haskell Language Committee Member**, *Haskell 2020*.
- 2015–present **Coordinator**, *AWS Educate Initiative (for Southern Federal University)*.
- 2015–present **Coordinator**, *iOS Developer University Program (for Southern Federal University)*.
- April 2017 **Organizer**, *Conference on Programming Languages and Compilers (at the Southern Federal University)*, Rostov-on-Don, Russia.

Selected Papers

- V. Bragilevsky, V. S. Pilidi. Analog of Simonenko’s theorem on an envelope of a family of operators for operators on the spaces of vector-valued functions. *Izvestia vuzov. Severokavkazsky region*. Vol. 4. 2005. (*in Russian*)
- V. Bragilevsky. Limits of Folds Expressiveness. *Practice of Functional Programming*. Vol. 4. 2010. (*in Russian*)

Interests

- History Medieval Europe
- Arts 19th century music and literature, opera