Vitaly Bragilevsky

Curriculum Vitae

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🐦 VBragilevsky

Education

2001–2003 **M.Sc. in Applied Mathematics and Computer Science**, *Rostov State University*, Rostov-on-Don, Russia, *with honours*, Singular-type operators in the spaces of vector-valued functions, supervised by prof. V.S. Pilidi.

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

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.
- DeepSpec Summer School on Verified Systems, Princeton, NJ, USA, July 16–July 27, 2018.

Experience

Aug 2018– Jan 2019 **Fulbright Faculty Development Program Grantee, Courtesy Research Assistant**, *University of Oregon*, Eugene, OR, USA.

2003–present **Senior Lecturer**, *Southern Federal University (SFedU), I.I. Vorovich Institute of Mathematics, Mechanics and Computer Science*, Rostov-on-Don, Russia.
Current Courses: Functional Programming in Haskell (since 2009), Theory of Computations (since 2012), Theory of Programming Languages, Data Visualization.
Past Courses: Abstract Algebra, Category Theory, Web/XML-technologies, Computer Networks, Operating Systems, Programming in (Java, Python), Computer Methods in Discrete Mathematics, *etc.*

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

Guest Lecturing

- Programming in Idris with Dependent Types, CS Club (St. Petersburg, Russia), February 2017; Higher School of Economics (Moscow, Russia), November 2017.
- The Curry–Howard Correspondence: from Logic to Programming and Back Again, Summer School on Contemporary Mathematics (Dubna, Russia), July 2017.
- The Glasgow Haskell Compiler: Theory of Programming Languages at Work, CS Club (St. Petersburg, Russia), March 2018.
- The Type Theory Behind the Glasgow Haskell Compiler Internals, LambdaConf (Boulder, CO, USA), June 2018.

Writing

2017–2019 **Haskell in Depth**, *Manning Publications*, *work in progress*.

Miscellaneous

2018–present **GHC Steering Committee Member**.

2016–present **Haskell 2020 Language Committee Member**.

2015–present **Technical Proofreader, External Reviewer**, Manning Publications.

2015–present **Coordinator**, *AWS Educate Initiative, iOS Developer University Program (for SFedU)*.

2002–2017 **Teacher**, *Computer School for children (Southern Federal University)*, Rostov-on-Don, Russia.

Russian Translations

- M. Lipovača. Learn you a Haskell for Great Good (*editor*), 2012.
- G. Dowek, J.-J. Lévy. Introduction to the Theory of Programming Languages (*translator, with Artem Pelenitsyn*), 2013.
- R. Bird. Pearls of Functional Algorithm Design (*translator, with Artem Pelenitsyn*), 2013.
- S. Marlow. Parallel and Concurrent Programming in Haskell (*translator*), 2014.
- C. Okasaki. Purely Functional Data Structures (*editor*), 2016.
- W. Kurt. Get Programming with Haskell (*editor*), 2018.

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
Reading	Contemporary writers
Arts	19th century music, opera