

Evgenii Kotelnikov



PERSONAL INFORMATION

Date of birth: 15 February 1990
Current location: Gothenburg, Sweden

CONTACT INFORMATION

E-mail: evgeny.kotelnikov@gmail.se
Skype: e.kotelnikov
Home page: ekotelnikov.com

EDUCATION

Chalmers University of Technology, Gothenburg, Sweden

Department of Computer Science and Engineering **September 2013 to August 2018**
Ph.D., supervisor: [Laura Kovács](#), co-supervisor: [Andrei Voronkov](#)
Ph.D. thesis: “Automated Theorem Proving with Extensions of First-Order Logic”
Keywords: automated theorem proving, program analysis & verification, functional programming

Saint-Petersburg State University, Saint-Petersburg, Russia

Faculty of Applied Mathematics and Control Processes **September 2011 to July 2013**
M.S., Information Technology
Master thesis: “Syntactic extensions of Scala for effectful computations”
Keywords: Scala, metaprogramming, monads, computational effects

Faculty of Applied Mathematics and Control Processes **September 2007 to July 2011**
B.S., Information Technology
Bachelor thesis “Source code generation by grammar-based specifications”
Keywords: Source code generation, context-free grammar, algebraic data types, Scheme

WORKING EXPERIENCE

Chalmers University of Technology, Gothenburg, Sweden

Teacher assistant **September 2013 to August 2018**
Courses: Databases, Datastructures, Functional Programming

Amazon Web Services, New York, USA

Software engineering intern **March 2017 to June 2017**
Static analysis of AWS cloud networks
Tools: Scala, Python, Datalog, Vampire

Yandex Inc., Saint-Petersburg, Russia

Software engineer **March 2012 to August 2013**
Backend for high-load web search services
Tools: Java, Scala, Akka, Oracle Database, MongoDB

Software engineering intern **March 2011 to March 2012**
Extraction of semi-structured data on the web
Tools: Java, Oracle Database

Motorola Solutions Inc., Saint-Petersburg, Russia

Software engineering intern

July 2010 to December 2010

A specification language for low-level network protocols and a toolchain for it

Tools: Scheme, C, Python

LIST OF
PUBLICATIONS

G. Sutcliffe and E. Kotelnikov. *TFX: The TPTP Extended Typed First-order Form*. In Proceedings of the 6th Workshop on Practical Aspects of Automated Reasoning, pages 72–87, 2018.

E. Kotelnikov, L. Kovács and A. Voronkov. *A FOOLish Encoding of the Next State Relations of Imperative Programs*. In Proceedings of the 9th International Joint Conference on Automated Reasoning, pages 405–421, 2018.

E. Kotelnikov, L. Kovács, M. Suda and A. Voronkov. *A Clausal Normal Form Translation for FOOL*. In Proceedings of the 2nd Global Conference on Artificial Intelligence, pages 53–71, 2016.

E. Kotelnikov, L. Kovács, G. Reger and A. Voronkov. *The Vampire and the FOOL*. In Proceedings of the 5th ACM SIGPLAN Conference on Certified Programs and Proofs, pages 37–48, 2016.

E. Kotelnikov, L. Kovács and A. Voronkov. *A First Class Boolean Sort in First-Order Theorem Proving and TPTP*. In Intelligent Computer Mathematics, pages 71–86, 2015.

E. Kotelnikov. *Type-directed Language Extension for Effectful Computations*. In Proceedings of the Fifth Annual Scala Workshop, pages 35–43, 2014.

E. Kotelnikov. *Embeddable Framework for Syntax-Safe Source Code Generation*. In Proceedings of the 2012 Joint International Conference on Human-Centered Computer Environments, pages 87–92, 2012.

SUMMER &
WINTER SCHOOLS

Marktoberdorf Summer School 2016: Dependable Software Systems Engineering. August 3–12, 2016. Marktoberdorf, Germany.

Summer School 2014: Verification Technology, Systems & Applications (VTSA'2014). October 27–31, 2014. Luxembourg.

Advanced Winter School on Reasoning Engines for Rigorous System Engineering (ReRiSE'14). February 3–7, 2014. Linz, Austria.

OTHER

I was involved in reviewing at SCSS 2014, FM 2015, LPAR-20, CPP 2016, CICM 2016, FM 2016, PSI-2017, TACAS 2018, FM 2018 and iFM 2018. I was a student volunteer at ICFP 2014 and CADE-26.