Personal Information

Name	Larisa Safina
Google Scholar	https://scholar.google.ru/citations?user=XifW61cAAAAJ
DBLP	http://dblp.uni-trier.de/pers/hd/s/Safina:Larisa
ORCID	0000-0002-4490-7451
H-index	5 (Scopus), 8 (Google Scholar)
LinkedIn	https://www.linkedin.com/in/lsafina/

Professional Experience

2020 - current **Postdoc**, *INRIA*, Lille, France.
Working on the implementation of the Rigorous System Design approach in the JavaBIP exogenous coordination framework, allowing its effective use in industrial development projects. The primary goals of the project are to obtain behavioral models of the coordinated software entities and to detect the deviations between these models and the corresponding executable code in the face of software evolution

2019-2020 **Research Engineer**, *INRIA*, Lille, France.

2015-2019 **Researcher, Lecturer**, *Software Science and Engineering laboratory, Innopolis University*, Innopolis, Russian Federation.
Working on various research projects in the fields of software engineering, software architecture, microservices, and type systems. Teaching undergraduate- and graduate courses, co-supervising students theses.

2013-2014 **Head of Quality Assurance**, *FIX, LLC*, Kazan, Russian Federation.

2011-2013 **Software Test Engineer**, *Fujitsu GDC Russia*, Kazan, Russian Federation.

Education

2020 **Ph.D in Computer Science**, *University of Southern Denmark, Denmark*.
Thesis: *Formal methods and patterns for microservices*

2015 **Master degree in Software Engineering**, *Innopolis University, Russia*.
Thesis: *Development of energy saving portal as a part of automated lighting control and monitoring system*

2012 **Master degree in Computational Mathematics and Cybernetics**, *Kazan State University, Russia*.
Thesis: *Boundary elements method for Dirichlet problem solving*

Selected Publications

2022 Larisa Safina and Simon Bliudze *SAT-Based Extraction of Behavioural Models for Java Libraries with Collections*, arXiv electronic libraries

Luís Cruz-Filipe, Fabrizio Montesi, and Larisa Safina *Implementing Choreography Extraction*, Electronic libraries, CoRR, abs/2205.02636

2019 Saverio Giallorenzo, Fabrizio Montesi, Larisa Safina, and Stefano Pio Zingaro *Ephemeral data handling in microservices.*, *2019 IEEE International Conference on Services Computing, SCC 2019, Milan, Italy, July 8–13, 2019*, pages 234–236. IEEE

2017 Nicola Dragoni, Saverio Giallorenzo, Alberto Lluch-Lafuente, Manuel Mazzara, Fabrizio Montesi, Ruslan Mustafin, and Larisa Safina *Microservices: Yesterday, today, and tomorrow.* In *Present and Ulterior Software Engineering*, pages 195–216. Springer

Conference Speaker

2019 IEEE International Conference on Services Computing, Milan, Italy

2019 21st International Conference on Coordination Models and Languages, Copenhagen, Denmark

2019 The International Conference on Microservices 2019, Dortmund, Germany

2017 A.P. Ershov Informatics Conference 10th edition (PSI), Moscow, Russia

2016 The 9th IEEE International Conference on Service Oriented Computing & Applications (SOCA), Macau, China

2016 The International Conference on Advanced Information Networking and Applications (AINA), Crans-Montana, Switzerland

2016 10th International KES Conference on Agents and Multi-Agent Systems: Technologies and Applications (AMSTA), Tenerife, Spain

2013 14st International Conference on Software Quality Assurance (SQA Days), Lvov, Ukraine

Conference Chair

2022 Agility with Microservices Programming workshop co-located with 22st International Conference on Agile Software Development (XP)

2022 15th Interaction and Concurrency Experience (ICE) workshop co-located with 17th International Federated Conference on Distributed Computing Techniques (DisCoTec)

2021 14th Interaction and Concurrency Experience (ICE) workshop co-located with 16th International Federated Conference on Distributed Computing Techniques (DisCoTec)

2020 13th Interaction and Concurrency Experience (ICE) workshop co-located with 15th International Federated Conference on Distributed Computing Techniques (DisCoTec)

Conference Program Committee Member

2022 3nd IEEE International Conference on Autonomic Computing and Self-Organizing Systems (ACSOS)

2021 23rd International Conference on Coordination Models and Languages (COORDINATION)

2021 2nd IEEE International Conference on Autonomic Computing and Self-Organizing Systems (ACSOS)

2021 2nd International Conference on Nonlinearity, Information and Robotics (NRI), Innopolis, Russia

2020 Agility with Microservices Programming workshop co-located with 21st International Conference on Agile Software Development (XP)

2019 The International Conference on Microservices 2019, Dortmund, Germany

2019 Workshop on Cloud Native Applications Design and Experience (CNAX19), Aukland, New Zealand

2018 3rd International Workshop on Microservices: Science and Engineering (MSE), Toulouse, France

2017 2nd Workshop on Microservices: Science and Engineering, Trento, Italy

Conference Artifact Evaluation Committee Member

2022 24rd International Conference on Coordination Models and Languages (COORDINATION)

2022 43rd ACM SIGPLAN Conference on Programming Language Design and Implementation (PLDI)

2022 International conference on formal methods in software engineering (FormaliSE) colocated with 44rd International Conference on Software Engineering (ICSE)

Conference Paper Subreviewer

2021   The 26th International Conference on Formal Methods for Industrial Critical Systems (FMICS)

2020   22rd International Conference on Coordination Models and Languages (COORDINATION)

Journal Guest Editor

2021-2022   Special Issue of the Journal of Logical and Algebraic Methods in Programming

Journal Paper Reviewer

2022   Science of Computer Programming

2020   Science of Computer Programming (subreviewer)

Publicity Chair

2021   Agility with Microservices Programming (AMP) Workshop at 22nd International Conference on Agile Software Development (XP)

Virtualization chair

2021   International conference on formal methods in software engineering (FormaliSE) colocated with 43rd International Conference on Software Engineering (ICSE), 2021

Ethics Committee member

2021   Microservices Community (https://www.microservices.community/)

Teaching Experience

2019   Personal Software Process, secondary instructor, masters (6-ETS), Innopolis University

2018   Theoretical Computer Science, teacher assistant, bachelors (6-ETS) Innopolis University

2018   Software Architecture, teacher assistant, bachelors (5-ETS), Innopolis University

2017   Personal Software Process, primary instructor, masters (6-ETS), Innopolis University

2017   Data Modeling and Databases, teacher assistant, bachelors (6-ETS), Innopolis University

2016   Theoretical Computer Science, teacher assistant, bachelors (6-ETS), Innopolis University

2015   Theoretical Computer Science, teacher assistant, bachelors (6-ETS), Innopolis University

2014   Introduction to Software Testing, primary instructor, free admission, Kazan State University

Mentoring students

2022   Final Year Project (co-mentoring), Master level, University of Lille, France

2018   Bachelor theses (co-mentoring), Innopolis Uiversity, Russia

2018   First Year Project in Computer Science, Bachelor level, University of Southern Denmark

2017   First Year Project in Computer Science, Bachelor level, University of Southern Denmark

2017   Bachelor theses (co-mentoring), Innopolis Uiversity, Russia

2017   Summer Practice (co-mentoring), Innopolis Uiversity, Russia

Grants

2019	Erasmus+ grant for staff training between Innopolis University, Russia, and University of Birmingham, UK
2019	Travel grant for the International Conference on Microservices 2019
2018	COST action CA15123 grant for the EUTypes Summer School on Types for Programming and Verification, Ohrid, Macedonia
2017	Travel grant for the School and Workshop on Univalent Mathematics, Birmingham, UK

Workshops and Schools

2022	Logic and Probabalistic Programming (as Part of Logic and Interactions), virtual
2021	Oregon Programming Languages Summer School (OPLSS), virtual
2020	The 3rd Summer School on Practice and Theory of Distributed Computing (SPTDC), virtual
2019	School and Workshop on Univalent Mathematics, Birmingham, UK
2018	2018 EUTypes Summer School on Types for Programming and Verification, Ohrid, Macedonia
2017	School and Workshop on Univalent Mathematics, Birmingham, UK
2017	The 2nd Winter School in Engineering and Computer Science on Formal Verification, Jerusalem, Israel
2017	Instructional Skills Workshops, Innopolis, Russia
2016	BETTY Summer School on Behavioral Types, Limassol, Cyprus
2016	Spring Young Researchers' Colloquium on Software Engineering (SYRCoSE), Krasnovidovo, Russia

Certification

2015	Managing of Software Development, Carnegie Mellon University
2015	Methods of Software Development, Carnegie Mellon University
2015	Models of Software Systems, Carnegie Mellon University
2015	Architectures for Software Systems, Carnegie Mellon University
2015	Analysis of Software Artifacts, Carnegie Mellon University
2013	ISEB Intermediate
2011	ISEB Foundation

Language Competence

Russian	Mother tongue
English	Full professional proficiency
Italian	B1
French	B1