



### Academic Personnel Short Profile / Short CV

<b>University:</b>	Neapolis University Pafos
<b>Surname:</b>	Kulikov
<b>Name:</b>	Alexander
<b>Rank/Position:</b>	Visiting Lecturer
<b>Faculty:</b>	SCHOOLS OF ECONOMICS, BUSINESS AND COMPUTER SCIENCE
<b>Department:</b>	COMPUTER SCIENCE
<b>Scientific Domain: *</b>	Computer Science

*\* Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Dr. Sci. (habilitation, advanced version of Ph.D.)	2017	Steklov Institute of Mathematics at St. Petersburg, Russian Academy of Sciences		Circuit complexity of explicit Boolean functions
Ph.D.	2009	Steklov Institute of Mathematics at St. Petersburg, Russian Academy of Sciences		New algorithms for NP-hard problems
M.Sc.	2005	St. Petersburg State University		



Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
2018	present	JetBrains	Cyprus	Researcher, Head of the Laboratory of Algorithms and Complexity Theory
2018	2022	St. Petersburg State University	Russia	Professor, Head of B.Sc. program “Modern software engineering”
2005	2022	Steklov Institute of Mathematics at St. Petersburg, Russian Academy of Sciences	Russia	Leading Research Fellow, Head of the Laboratory of Algorithmic and Probabilistic Methods

Key <u>refereed</u> journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2025	Polynomial Formulations as a Barrier for Reduction-Based Hardness Proofs	Tatiana Belova, Alexander Golovnev, Alexander S. Kulikov, Ivan Mihajlin, Denil Sharipov	ACM Trans. Algorithms	21(4)	40:1-40:44
2	2025	A New Tool for Boolean Circuit Analysis and Synthesis	Daniil Averkov, Tatiana Belova, Gregory Emdin, Mikhail Goncharov, Viktoriia Krivogornitsyna, Alexander S. Kulikov, Fedor Kurmazov, Daniil Levtsov, Georgie Levtsov, Vsevolod Vaskin, Aleksey Vorobiev	AAAI 2025		11105-11112
3	2024	Improved Space Bounds for Subset Sum	Tatiana Belova, Nikolai Chukhin, Alexander S. Kulikov, Ivan Mihajlin	ESA 2024		21:1-21:17
4	2017	Tight Lower Bounds on Graph Embedding Problems	Marek Cygan, Fedor V. Fomin, Alexander Golovnev, Alexander S. Kulikov, Ivan Mihajlin, Jakub Pachocki, Arkadiusz Socala	J. ACM	64(3)	18:1-18:22
5	2016	Families with Infants: Speeding Up Algorithms for NP-Hard Problems Using FFT	Alexander Golovnev, Alexander S. Kulikov, Ivan Mihajlin	ACM Trans. Algorithms	12(3)	35:1-35:17
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Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)					
Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
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\* Specify venue, geographic location etc



Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
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*\*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*



**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.**  
**List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
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Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Awarded by:
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Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Key Activities:
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