

Alexey Barsukov

Department of Algebra, Charles University, Sokolovská 49/83, 18600 Prague, Czechia

EDUCATION	Université Clermont Auvergne , Aubière, France <ul style="list-style-type: none">▪ M.S. in Informatics Sep 2017 – Jul 2018<ul style="list-style-type: none">• Cumulative GPA: 14.68 / 20.00
	Higher School of Economics , Moscow, Russia <ul style="list-style-type: none">▪ M.S. in Applied Mathematics and Informatics Sep 2016 – Nov 2018<ul style="list-style-type: none">• Cumulative GPA: 8.03 / 10.00
	<ul style="list-style-type: none">▪ B.S. in Mathematics Aug 2012 – Jun 2016<ul style="list-style-type: none">• Cumulative GPA: 8.14 / 10.00
RESEARCH EXPERIENCE	Charles University , Prague, Czechia <ul style="list-style-type: none">▪ PostDoc May 2023 – May 2025
	IUT Sénart-Fontainebleau , Fontainebleau, France <ul style="list-style-type: none">▪ ATER Sep 2022 – Aug 2023
	Université Clermont Auvergne , Aubière, France <ul style="list-style-type: none">▪ Ph.D. in Informatics Dec 2018 – Dec 2022
TEACHING EXPERIENCE	Charles University , Prague, Czechia <ul style="list-style-type: none">▪ Convex Optimization (TD) 2024
	IUT Sénart-Fontainebleau , Fontainebleau, France <ul style="list-style-type: none">▪ Programmation en Langage C (TP) 2022▪ Bases de Données (TD, TP) 2022
	Université Clermont Auvergne , Clermont-Ferrand, France <ul style="list-style-type: none">▪ Logique (TP) 2019 – 2021▪ Algorithmes Numériques (TD) 2019 – 2020▪ Théorie des Jeux (TP) 2020▪ Programmation en Langage C (TP) 2020▪ Algorithmes (TD) 2020
PUBLICATIONS	JOURNALS <ol style="list-style-type: none">1. A. Barsukov, M.M. Kanté, “Generalisations of Matrix Partitions : Complexity and Obstructions”, Theoretical Computer Science, Volume 1007 (2024), Article 114652.
	CONFERENCES <ol style="list-style-type: none">1. A. Barsukov, F. Madelaine, “On Guarded Extensions of MMSNP”, CiE 2023.
	ARXIV PREPRINTS <ol style="list-style-type: none">1. A. Barsukov, M. Pinsker, J. Rydval, “Containment for Guarded Monotone Strict NP”.2. A. Barsukov, F. Madelaine, “On Guarded Extensions of MMSNP”.3. A. Barsukov, B. Roy, “Maximum cut on interval graphs of interval count two is NP-complete”.
	TALKS <ol style="list-style-type: none">1. “Edge-colourings and constraint satisfaction problems”, AAA 105, Prague, Czechia, May 2024.2. “Homogeneous graphs: construction, examples, and applications”, Algebra Colloquium, Prague, Czechia, Oct 2023.3. “On Guarded Extensions of MMSNP”, CiE 2023, Batumi, Georgia, Jul 2023.3. “MMSNP and MMSNP2”, Paris, France, Oct 2022.4. “Investigating potential dichotomies above Feder and Vardy’s logic MMSNP”, Caen, France, Feb 2022.

LANGUAGES

- Russian: Native
- English: Fluent
- French: Fluent

[CV compiled on April 3, 2025]