

Andriaherimanana Sarobidy Razafimahatratra

CONTACT INFORMATION	Moscow Institute of Physics and Technology MIPT Institutskiy per., 9 Dolgoprudnyy Moskovskaya Oblast, Russian Federation	andriahermanana@aims.edu.gh sarobidy@phystech.edu
RESEARCH INTERESTS	Enumerative, algebraic and analytic combinatorics, algebraic graph theory, permutation groups, theory of random graphs.	
EDUCATION	Moscow Institute of Physics and Technology M.Sc in Mathematics (expected in July 2018). <ul style="list-style-type: none">• Dissertation Topic: Zero-One law of first-order formulas with at most k variables.• Supervisor: Prof. Maksim Zhukovskii, MIPT. African Institute for Mathematical Sciences, Ghana M.Sc in Mathematics. with distinction, June 2016. <ul style="list-style-type: none">• Dissertation Topic: Symmetry Breaking in Graphs.• Supervisor: Prof. Nancy Neudauer, Pacific University USA. University of Antananarivo Master One Diploma. in Mathematics, April 2015. <ul style="list-style-type: none">• Combinatorics and Optimization.• Additional: Econometrics and Game Theory. University of Antananarivo B.Sc. in Mathematics, April 2014. <ul style="list-style-type: none">• Pure mathematics.• Numerical analysis. Baccalauréat du second Cycle September 2010. <ul style="list-style-type: none">• Mention Assez Bien, série C.	
SCHOLARSHIPS, AWARDS	2016 2016 2015–2016	Russian government scholarship for a master's degree at MIPT. F.K.A. Allotey Meritorious Award, AIMS Ghana. African Institute for Mathematical Sciences - Next Einstein Initiative(AIMS-NEI) master scholarship.
GRADUATE COURSES	<input type="checkbox"/> Modern Topics in Algebra <input type="checkbox"/> Discrete Geometry <input type="checkbox"/> Functional Analysis <input type="checkbox"/> Ordinary Differential Equations <input type="checkbox"/> Complex Network with Computation <input type="checkbox"/> Combinatorial Algebraic Topology	<input type="checkbox"/> Advanced Graph Theory <input type="checkbox"/> Additive Combinatorics <input type="checkbox"/> Analytic Number Theory <input type="checkbox"/> Galois Theory <input type="checkbox"/> Dynamical Systems <input type="checkbox"/> Random Graphs <input type="checkbox"/> Enumerative and Algebraic Combinatorics

ONLINE COURSES	2016	Complex Analysis Technische Universität Chemnitz Faculty of Mathematics 4 ETCS Credits Score: 94/110.
SCIENTIFIC RESEARCH EXPERIENCE	2016	Essay Phase, African Institute for Mathematical Science, Ghana. Advisor: Prof. Nancy Ann Neudauer, Pacific University USA. Tutor: Sofiat Olaosebikan, University of Glasgow, UK. AIMS Ghana.
PRESENTATIONS	2016	Fermat Primes and Heron Triangles with Prime Power Sides. Analytic Number Theory Prof. Florian Luca, Wits University Prof. Jean Marie De Koninck, Université Laval AIMS Ghana.
	2015	Sylow's Theorem. Modern Topics in Algebra Dr. Ulrich Krähmer, University of Glasgow. AIMS Ghana.
WORKSHOPS AND SUMMER SCHOOLS	2017	International mini-workshop "Extremal Combinatorics", Yandex Moscow.
	2017	Mini-conference "Diophantine problems" in occasion of Prof. Nikolay Moshchevitin's 50th birthday, MIPT.
	2017	First Russian-Hungarian Workshop in Discrete Mathematics, MIPT.
	2016	CIMPA Antananarivo: Combinatorics and Algorithm.
RELEVANT SKILLS	Languages: Programming:	Malagasy (native language), English (fluent), French (official language, fluent) Python, C/C++, Sage, L ^A T _E X.
MISCELLANEOUS	High School	Tutored students to help pass Baccalaureat. Tutored students experiencing difficulty in Mathematics.
	University	Created and tutored a group of students experiencing difficulty in Mathematics. Attended extra workshops and conferences on Computer Sciences, Cryptography and Real Analysis.
	Volunteering	I participated in outreach programs to the community high school around the vicinity of Biriwa, Ghana. We introduced the students to exciting mathematical problems in form of games to build their interest in the fields.
REFERENCES		Dr. Brent Everitt, Department of Mathematics, University of York, York, United Kingdom brent.everitt@york.ac.uk Prof. Nancy Ann Neudauer, Pacific University, Portland, USA nancy@pacificu.edu