Cipriana Anghel

Contact

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Work Experience

2021–present	Member in the Research Grant 0794/2020 "Spectral Methods in Hyperbolic Geometry".
2017–2019	Member in the Research Grant 0330/2017 "Volumes of hyperbolic and Einstein manifolds".

Teaching activity

2021	Complex Analysis and Riemann surfaces Tutorial at the University of Bucharest (one semester).
2020–2021	Analysis Tutorial at the University of Bucharest (one semester).
2019–2020	Algebra Tutorial at the University of Bucharest (two semesters).

Education

2019–present	Doctoral student at the Institute of Mathematics "Simion Stoilow", Bucharest.
2017–2019	Master Degree, University of Bucharest, Faculty of Mathematics and Computer Science, program *Algebra, Geometry, Cryptography* with average grade 9.95. Master Thesis: *The Atiyah-Singer index formula* – supervised by Dr. Sergiu Moroianu.
2017–2019	Master courses at Şcoala normală superioară Bucureşti.
2016-2017	First year student at S.N.S.B in the preliminary cycle.
2014–2017	Bachelor's Degree, University of Bucharest, Faculty of Mathematics and Computer Science, with average grade 10. Bachelor Thesis: *Identities about the length of orthogeodesics on hyperbolic surfaces* – supervised by Dr. Sergiu Moroianu.
2010–2014	High-school student at "Tudor Vianu" National High School of Computer Science.
2002–2010	Studies of piano at "Iosif Sava" School of Music nr.1.

Publications

- C.Anghel, R.Stan, *Uniformization of Riemann Surfaces Revisited*, https://arxiv.org/abs/2008.12189.

Talks in Seminars

2021	*The Chern connection*, Geometric Methods in Algebra and Topology Seminar (GeMAT), Institute of Mathematics of the Romanian Academy.
2020	*Weyl's Law about counting the eigenvalues of a Laplacian*, Geometry Seminar, Institute of Mathematics of the Romanian Academy.
2020	*Heat kernel asymptotics for real powers of Laplacians*, Geometry Seminar, Institute of Mathematics of the Romanian Academy.
2020	*The Pfaffian of an anti-symmetric matrix and the Euler class of an oriented vector bundle*, Geometric Methods in Algebra and Topology Seminar (GeMAT), Institute of Mathematics of the Romanian Academy.
2017	*The Identity of Bridgeman and some applications*, Geometry Seminar, Institute of Mathematics of the Romanian Academy.
2015	*On some principal noneuclidian rings*, Algebra Seminar, University of Bucharest.
2015	*The nonexistence of certain type of projective planes*, Student Scientific Seminar organized by Prof. C. Voica and Prof. V. Vuletescu.

Talks in Conferences

2021	*Heat kernel asymptotics for real powers of Laplacians*, **Workshop for Young Researchers in Mathematics**, Bucharest, Romania.
2018	*The Zeta function and its relation to the prime number theorem*, **Heidelberg Laureate Forum**, Heidelberg, Germany.
2015	*Combinatorial Riemann-Roch, chip-firing games and the discrete logarithm in cryptography*, joint with Rareş Stan, **Tomorrow's mathematicians today**, University of York UK.

Conferences

2021	Participation at the **Semiclassical Trace Formula**, workshop online.
2019	Participation at the **The Ninth Congress of Romanian Mathematicians**, Galaţi, Romania.
2019	Participation at the **Workshop for young researchers in mathematics**, Faculty of Mathematics and Computer Science, Bucharest, Romania.
2018	Participation at the **Heidelberg Laureate Forum**, Heidelberg, Germany.

Summer Schools

2018	Participation at the **Master classe "Surfaces"**, Marseille.
2015	Participation at the **Modern Mathematical International Summer School**, Jacobs University, Bremen.

Honors and Awards

2020	Bitdefender Junior Fellowship, Institute of Mathematics of the Romanian Academy.
2019-present	Doctoral fellowship, Institute of Mathematics of the Romanian Academy.
2015-2019	Merit scholarship from the University of Bucharest.
2016-2017	"Anghelescu" scholarship.
2014-2015	Study scholarship from the University of Bucharest.

Results at mathematical competitions

2013-2014	Bronze medal at the National Mathematical Olympiad.
2012-2013	Bronze medal at the National Mathematical Olympiad. Henri Poincaré prize offered by École Polytechnique.
2010-2011	Bronze Medal at the National Mathematical Olympiad. Silver Medal at the Italian National Mathematical Olympiad. Third Prize at "Cassini Scientist for a Day" NASA contest.
2009-2010	Second Prize and Silver Medal at the National Mathematical Olympiad. Member in the extended team for Junior Balkan Mathematical Olympiad.
2008-2009	Mention and Silver Medal at the National Mathematical Olympiad.

Languages

- Romanian: native.
- English: fluent.
- French: intermediate.