

Clement Radu Popescu

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Contact

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Research Interests

Representation varieties and cohomology jump loci; configuration spaces; arrangements of hyperplanes; braids, links and 3-manifolds; mapping class groups and its subgroups; combinatorial group theory.

Awards

Romanian Academy ”Gheorghe Lazăr” award - December 2019

Degrees

- May 2001 PhD: Columbia University; title: ”*Topics in low dimensional topology*”
PhD. advisor Prof. Joan S. Birman
 - June 1991 Specialization degree: University of Bucharest
 - June 1990 MS: University of Bucharest
 - June 1985 BA: College Mihai Viteazul, Ploiești
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Professional history

- 2017 – present: Scientific Researcher III, Institute of Mathematics of the Romanian Academy, Bucharest
- 2003 – 2017: Researcher, Institute of Mathematics of the Romanian Academy, Bucharest
- 2001 - 2003: Assistant Professor, University of Minnesota, Minneapolis
- 1994 - 2001: Teaching Assistant, Columbia University, New York
- 1991 - 1994: Junior Researcher, Institute of Mathematics of the Romanian Academy, Bucharest

Recent Publications

- Măcinic Daniela Anca, Papadima Ștefan, Popescu Clement Radu, Suci I. Alexander, *Flat connections and resonance varieties: From rank one to higher ranks*, Trans. Amer. Math. Soc. **369**, no. 2, (2017), 1309-1343
- Măcinic Daniela Anca, Papadima Ștefan, Popescu Clement Radu, *Modular equalities for complex reflection arrangements*, Documenta Math. **22** (2017), 135–150
- Berceanu Barbu, Măcinic Daniela Anca, Papadima Ștefan, Popescu Clement Radu, *On the geometry and topology of partial configuration spaces of Riemann surfaces*, Alg.& Geom. Topology **17** (2017), 1163—1188

Talks at International Conferences and Seminars

- *Topology, Geometry, and Dynamics: Rokhlin – 100*: Saint Petersburg, 19 - 23 August, 2019
- *The 14-th International Workshop on Differential Geometry and its Applications*: Ploiești, 9 - 11 July, 2019
- *Workshop for Young Researchers in Mathematics*: Bucharest, 17 - 20 May, 2017
- *Workshop for Young Researchers in Mathematics*: Constanța, 19 - 22 May, 2016
- *The Eighth Congress of Romanian Mathematicians*: Iași, 26 Iunie - 1 July, 2015
- *Workshop for Young Researchers in Mathematics*: Constanța, 21 - 24 May, 2015
- Invited lecturer at *Spring School*: Pisek, Czech Republic, 2013

Varia

- coorganizer of the Special Session "*Selected topics in Complex and Differential Geometry, Topology and Singularities*" at *The Ninth Congress of the Romanian Mathematicians*: Galați, 28 iunie - 3 iulie 2019
- organizer of the Topology Seminar - Institute of Mathematics of the Romanian Academy since 2018
- reviewer for *Mathematical Reviews*, reviews for *Mathematical Reports*, *Bull. Math. de la Soc. des Sci. Math. de Roumanie*

Teaching

- **Bucharest University**

courses: Geometry and Linear Algebra (1-st year), Groups and Combinatorics (3-rd year), Algebraic and Differential Topology (Master 1-st year)

seminar: Linear Algebra (1-st year);

- **University of Oil and Gas Ploiești**

courses and seminars: Calculus on Manifolds (3-rd year), Intoduction to Graph Theory (3-rd year), Combinatorics (3-rd year), Complex Analysis (2-nd year), Numerical Analysis (Master 1-st year)

- **University of Minnesota**

courses: Introduction to Graph Theory (Master), College Algebra

- **Columbia University**

courses: Introduction to Modern Analysis, Linear Algebra

Languages

Romanian - native; English - fluent; German - advanced; French - beginner.