

Cezar Joița

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DOMENII de CERCETARE:

- Funcții de mai multe variabile complexe
- Geometrie Complexă

EDUCAȚIE:

- 1995 - 2000, Program Doctoral în Matematică la SUNY at Buffalo, U.S.A. Doctorat obținut în iunie 2000. Conducător de teză: Mohan Ramachandran.
- 1988 - 1993, Facultatea de Matematică, Universitatea din București, Conducător al lucrării de licență: Martin Jurchescu.

POZIȚII ACADEMICE:

- 2004 - prezent: Cercetător la Institutul de Matematica "Simion Stoilow" al Academiei Române.
- 2002 - 2004: Everett Pitcher Visiting Professor la Lehigh University, S.U.A.
- 2000 - 2002: Postdoctoral Fellow la The University of Western Ontario, Canada.
- 1995 - 2000: Teaching Assistant, SUNY at Buffalo, U.S.A.
- 1993 - 1995: Cercetător la Institutul de Matematica "Simion Stoilow" al Academiei Române.

ALTE ATRIBUȚII:

- Secretar Științific, Institutul de Matematica "Simion Stoilow" al Academiei Române, 2012 - 2016.
- Membru CNCS, 2011 - 2013.

PREMII:

- Premiul "Simion Stoilow" al Academiei Române.

PREZENTĂRI la CONFERINȚE și SEMINARII:

- "Bifurcation locus of polynomial maps", Geometric Function Theory in Higher Dimension, Cortona, 2016.
- "On the parametrization of germs of two-dimensional singularities", Babes-Bolyai University, Cluj-Napoca, 2016
- "On coverings of 1-convex surfaces" - l'Institut de Mathématiques de Jussieu, Paris, 2015.
- "Covering complex spaces by finitely many connected Stein sets" - Université Lille 1, 2015.
- "Finite coverings of complex spaces by connected Stein open sets", The Eighth Congress of Romanian Mathematicians, Iasi, 2015.
- "Analytic convexity - a short introduction", Summer School in Cologne: Topics in Complex Analysis, Cologne, 2014.
- "Complex spaces with prescribed singular locus" , Gheorghe Bucur 75 Conference, Bucharest, 2014.
- "On the parametrization of germs of two-dimensional singularities", Université Lille, 1 2013.
- "Stein spaces and open imersions in Stein spaces, University of Bucharest, 2013
- "Coverings of a link singularity and q -convexity", Université Lille 1, 2011.
- "On coverings of 1-convex surfaces", Université Lille 1, 2011.
- "On the disk property of coverings of 1-convex surfaces", The Seventh Congress of Romanian Mathematicians, Brasov, 2011.
- "Analytic convexity via lower dimensional objects", The 10th International Workshop on Differential Geometry and its Applications Ovidius University, Constanta, 2011.
- "Coverings of 1-convex manifolds", Constantin Bănică Memorial Conference, Bucharest, 2011.

- "Cohomological q -convexity in top degrees for Zariski open sets in \mathbb{P}^n ", Journée "Lille-Bucuresti", Lille, 2010.
- "Analytic convexity in complex manifolds", The 18th conference on applied and industrial mathematics, Iași, 2010.
- "Generically strongly q -convex complex spaces", IMAR 60 International Conference, Bucharest, 2009.
- "Extending Kähler metrics from subvarieties", The 11th Romanian - Finnish Seminar, Alba-Iulia, 2008.
- "Generically strongly q -convex complex spaces" - Humboldt Universität zu Berlin, Complex Analysis Seminar 2006
- "Polynomially convex domains are not characterized by intersections with complex lines" Journée d'Analyse Géométrique "Bucuresti-Lille" - Université Lille 1, 2006.
- "On a problem of Bremermann concerning Runge domains" - The Xth Romanian-Finish Seminar, Cluj-Napoca 2005
- "On a problem of Bremermann concerning Runge domains" - Humboldt Universität zu Berlin, Complex Analysis Seminar 2005
- "Analytic Convexity" - IMAR Monthly lectures, 2004.
- "A few observations regarding Runge pairs" - Syracuse University, 2004.
- "On uniformly Runge domains in a Stein manifold" - Lehigh University Geometry/Topology Conference, 2003.
- "An abstract notion of convexity" - Auburn University at Montgomery, 2003.
- "Different Notions of Convexity and Concavity in Complex Analysis" - Lehigh University, 2002.
- "The Third Cauchy-Fantappie formula of Leray" - University of Western Ontario, 2002.
- "The Third Cauchy-Fantappie formula of Leray" - SUNY at Stony Brook, 2002.
- "Convexity and Concavity in Complex Analysis" - Wichita State University, 2002
- "Traces of Convex Domains" - Complex Analysis Conference, University of Michigan, Ann Arbor, 2001
- "On Locally Hyperconvex Stein Domains" - Lehigh University Geometry/Topology Conference, 2001.
- "On Runge domains in \mathbb{C}^n " - University of Western Ontario, 2000.
- "On the n -concavity of Covering Spaces with Parameters" - AMS Meeting, Washington DC, 2000.

- “On the n-concavity of Covering Spaces with Parameters”- SUNY at Buffalo, 1999.
- “On the Projection of Runge domains” - Special Session on Complex Geometry, AMS Regional Meeting, Buffalo, 1998
- “Analytic Convexity and Vanishing Theorems”- SUNY at Buffalo, 1997.

PUBLICAȚII:

1. Cezar Joița: On the projection of pseudoconvex domains. *Mathematische Zeitschrift* **233** (2000), no. 4, 625-631.
2. Cezar Joița: On the n-concavity of covering spaces with parameters. *Mathematische Zeitschrift* **245** (2003), no. 2, 221-231.
3. Cezar Joița: Traces of Convex Domains. *Proceedings of the AMS* **131** (2003) no. 9, 2721-2725.
4. Cezar Joița, Finnur Lárússon: The third Cauchy-Fantappie formula of Leray. *Michigan Mathematical Journal* **51** (2003), no. 2, 339-350.
5. Cezar Joița, Pantelimon Stanică: Inequalities related to rearrangements of powers and symmetric polynomials. *JIPAM. J. Inequal. Pure Appl. Math.* **4** (2003), no. 2.
6. Cătălin Georgescu, Cezar Joița, William Nowell, Pantelimon Stanică: Chaotic dynamics of a rational map. *Discrete and Continuous Dynamical Systems, Series A* **12** (2005), no.2, 363-375.
7. Cezar Joița: On a problem of Bremermann concerning Runge domains. *Mathematische Annalen* **337** (2007), no. 2, 395–400.
8. Cezar Joița: On Uniformly Runge Domains. *Journal of Mathematics of Kyoto University* **47** (2007), no. 4, 875–880.
9. Cezar Joița, Daniela Joița: Minors in Weighted Graphs. *The Bulletin of the Australian Mathematical Society* **77** (2008), no. 3, 455–464.
10. Gabriel Chiriacescu, Mihnea Colțoiu, Cezar Joița: Analytic cohomology groups in top degrees of Zariski open sets in \mathbb{P}^n . *Mathematische Zeitschrift* **264** (2010), no. 3, 671–677.
11. Cezar Joița: Prescribing Projections of Runge Domains in Stein Spaces. *Mathematical Reports.* **12** (2010), no. 2, 137–143.
12. Mihnea Colțoiu, Cezar Joița: The Levi problem in the blow-up. *Osaka Journal of Mathematics.* **47** (2010), no. 4, 943–947.
13. Mihnea Colțoiu, Cezar Joița: The disk property of coverings of 1-convex surfaces. *Proceedings of the AMS.* **140** (2012), no. 2, 575–580.

14. Cezar Joița: The disk property. A short survey. *An. Stiint. Univ. "Ovidius" Constanta Ser. Mat.* **20** (2012), no. 2, 35–42.
15. Mihnea Colțoiu, Cezar Joița, Mihai Tibăr: q -convexity properties of the coverings of a link singularity. *Publications of the Research Institute for Mathematical Sciences* **48** (2012), no. 2, 409–417.
16. Mihnea Colțoiu, Natalia Gașoi, Cezar Joița: On the image of an algebraic projective space. *Comptes Rendus Mathematique* **350** (2012), no. 5-6, 239–241.
17. Mihnea Colțoiu, Cezar Joița: On the open immersion problem. *Mathematische Annalen* **356** (2013), no.3, 1203 – 1211.
18. Mihnea Colțoiu, Cezar Joița: Convexity properties of coverings of 1-convex surfaces. *Mathematische Zeitschrift* **275** (2013), no. 3-4, 781 – 792.
19. Mihnea Colțoiu, Cezar Joița, Klas Diederich: On complex spaces with prescribed singularities. *Mathematical Research Letters* **20** (2013), no. 5, 857–868.
20. Mihnea Colțoiu, Cezar Joița: On the separation of the cohomology of universal coverings of 1-convex surfaces. *Advances in Mathematics*, **265** (2014), 362–370.
21. Mihnea Colțoiu, Cezar Joița: On the parametrization of germs of two-dimensional singularities. *The Journal of Geometric Analysis* **25** (2015), 2427–2435.
22. Mihnea Colțoiu, Cezar Joița: On Runge-curved domains in Stein spaces. To appear in *Annali della Scuola Normale Superiore di Pisa*.
23. Cezar Joița, Mihai Tibăr: Bifurcation values of families of real curves. To appear in *Proceedings of the Royal Society of Edinburgh, Section: A Mathematics*.