Curriculum vitae

Identity

First Name: Ionel
Last Name: Rovenţa
Date of birth: 24-12-1982
Place of birth: Târgu-Jiu, Romania
Affiliation: Head of the Department of Mathematics, University of Craiova,
A. I. Cuza Street, No. 13, Craiova 200585, Romania (from 2015)
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https://scholar.google.com/citations?user=HFrhIhgAAAAJ&hl=fr

Education

- **2001-2005** - Faculty of Mathematics and Computer Science, University of Craiova, Romania.

- **2005-2007** - Master degree, Dynamical systems and evolution problems, Faculty of Matematics and Computer Science, University of Craiova, Romania

- **2005-2008** - Ph.D. degree, Faculty of Mathematics and Computer Science, University of Craiova, Romania.
Ph. D. Thesis: *Aspects of convexity in spaces with a curved geometry*.
Advisor: Professor Constantin P. Niculescu.

Ph.D. Committee: Lucian Beznea, IMAR, Bucharest,
Ovidiu Carja, University A. I. Cuza, Iasi
Sorin Micu, University of Craiova

- 2015 – Habilitation certificate, Title of the habilation thesis: Control and optimization problems, Ministry order no. 5879/ 4.12.2015.

Committee: Lucian Beznea, IMAR, Bucharest,
Ovidiu Carja, University A. I. Cuza, Iasi
Dan Tiba, IMAR, Bucharest

Present position: Associate Professor, Department of Mathematics, University of Craiova, Romania (full time)
Other position: Associate Professor, Department of Mathematics, Alexandru Ioan Cuza University of Iasi, Romania (part time, 2015-2017)

Publications

1. G. Leugering, S. Micu, I. Rovenţa, Y. Wang, Controllability properties of a system consisting of two elastic strings with tip-masses connected by an elastic spring, submitted, 2021.

2. ***S. Micu, I. Rovenţa, L. E. Temereanca, Approximation of the controls for the wave equation with a potential, Numerische Mathematik 144 (4) (2020), 835-887.***

3. ***P. Lissy, I. Rovenţa, Optimal approximation of internal controls for a wave-type problem with fractional Laplacian using finite-difference method, Mathematical Models and Methods in Applied sciences (M3AS), 30 (3) (2020), 439-475.***

4. C. P. Niculescu, I. Rovenţa, Convex functions and Fourier coefficients, *Positivity* 24 (1) (2020), 129-139.

5. I. Roventa, L. E. Temereanca, M. A. Tudor, A note on weighted Ingham's inequality for families of exponentials with no gap, *24th International Conference on System Theory, Control and Computing* (ICSTCC) (2020), 43-48, doi: 10.1109/ICSTCC50638.2020.9259770.

6. M. Malin, I. Rovenţa, Ky Fan's inequality in the context of relative convexity, *Journal of Nonlinear and Convex Analysis* 21 (3) (2020), 629-637.

7. ***P. Lissy, I. Rovenţa, Optimal filtration for the approximation of boundary controls for the one-dimensional wave equation using a finite-difference method, Math. Comp. 88 (315) (2019), 273-291.***

8. I. Rovenţa, L. E. Temereanca, A note on the positivity of the even degree complete homogeneous symmetric polynomials, *Mediterranean Journal of Mathematics*, (2019), 16: 1.

9. M. Malin, I. Rovenţa, M. Tudor, The Convergence of a Sequence of Iterated Polygons: A Discrete Combinatorial Analysis. In: Elaydi S., Pötzsche C., Sasu A. (eds) Difference Equations, Discrete Dynamical Systems and Applications. ICDEA 2017. *Springer Proceedings in Mathematics & Statistics*, vol 287. Springer, Cham (2019), 17 pages.

10. ***N. Cindea, S. Micu, I. Rovenţa, Boundary controllability for finite-difference semi-discretizations of a clamped beam equation, SIAM J. Control. Optim. (SICON) 55 (2) (2017), 785-817.***

11. ***D. Y. Gao, P. Neff, I. Rovenţa, C. Thiel, On the convexity of nonlinear elastic energies in the right Cauchy-Green tensor, Journal of Elasticity 127 (2) (2017). 303-308.***

12. C. P. Niculescu, I. Rovenţa, Hardy-Litllewood-Polya theorem of majorization in the framework of generalized convexity, *Carpathian Journal of Mathematics* 33 (1) (2017), 87-95.

13. N. Cindea, S. Micu, I. Rovenţa, Uniform Observability for a Finite Differences Discretization of a Clamped Beam Equation, IFAC-PapersOnLine, Volume 49, Issue 8, 2016, Pages 315–320, Elsevier, *2nd IFAC Workshop on Control of Systems Governed by Partial Differential Equations*, http://dx.doi.org/10.1016/ j.ifacol.2016.07.460. (ISI Proceedings).

14. F.I. Bugariu, S. Micu, I. Rovenţa, Approximation of the controls for the beam equation with vanishing viscosity, Mathematics of Computation 85 (2016), no. 301, 2257-2303.

15. S. Micu, I. Rovenţa, L. E. Temereanca, Approximation of the controls for the linear beam equation, Mathematics of Control, Signals and Systems 23 (2016), no. 2, 53 pages.

16. I. Rovenţa, Hardy-Littlewood-Polya's inequality and a new concept of weak majorization, *Mediterranean Journal of Mathematics* 13 (2016), no. 2, 573-583.

17. N. Cindea, S. Micu, I. Rovenţa, M. Tucsnak, Particle supported control of a fluid-particle system, Journal de Mathématiques Pures et Appliquées 104 (2) (2015), 311-353.

18. C. P. Niculescu, I. Rovenţa, Relative Schur-convexity on global NPC spaces, *Mathematical Inequalities and Applications* 18 (3) (2015), 1111-1119.

19. M. Malin, I. Rovenţa, Some remarks on convex networks flows for K-spiders, *Mathematical Problems in Engineering*, Volume 2015, article ID 710516, 6 pages.

20. C. P. Niculescu, I. Rovenţa, Relative Convexity and Its Applications, *Aequationes Mathematicae* 89 (5) (2015), 1389-1400.

21. D. Danciu, A. C. Matei, S. Micu, I. Rovenţa, Nonlinear Feedback Control and Artificial Intelligence Computational Methods applied to a Dissipative Dynamic Contact Problem, In ICINCO 2014 - *11th International Conference on Informatics in Control, Automation and Robotics*, vol 1, (2014) ISBN: 978-989-758-039-0, pp. 528-539.

22. I. F. Bugariu, N. Cindea, S. Micu, I. Rovenţa, Controllability of the space semi-discrete approximation for the beam equation, Preprints of the *19th World Congress The International Federation of Automatic Control* Cape Town, South Africa. August 24-29, 2014, 11369-11374 published by Elsevier and The International Federation of Automatic Control on IFAC-PapersOnLine.

23. F. Bugariu, I. Rovenţa, Small time uniform controllability of the linear one dimensional Schrodinger equation with vanishing viscosity, *Journal of Optimization Theory and Applications* 160 (3) (2014), 949-964.

24. N. Cindea, S. Micu, I. Rovenţa, M. Tucsnak, Numerical aspects and controllability of a one dimensional fluid-structure model, Ist IFAC Workshop on Control of Systems Governed by Partial Differential Equations, 2013, published by Elsevier and The International Federation of Automatic Control on IFAC-PapersOnLine, 19-24, ISSN

1474-6670, International Program Committee Chair: Meurer, Thomas, Zuazua, Enrique, Conference Editor: Le Gorrec, Yann (FEMTO-ST, ENSMM, France) ISBN: 978-3-902823-54-0. DOI: 10.3182/20130925-3-FR-4043.00035.

25. C. P. Niculescu, I. Rovenţa, An approach of majorization in spaces with a curved geometry, *Journal of Mathematical Analysis and Applications* 411 (1) (2014) 119-129.

26. C. P. Niculescu and I. Rovenţa, An extension of Chebyshev's algebraic inequality, *Math. Reports* 15 (65) (2013), No. 1, 91-95.

27. S. Micu, I. Rovenţa, M. Tucsnak, Time optimal boundary controls for the heat equation, Journal of Functional Analysis, 263 (2012), 25-49.

28. I. Rovenţa, A note on Schur-concave functions, *Journal of Inequalities and Applications*, Volume 2012, No. 1, 2012:159.

29. S. Micu, I. Rovenţa, Uniform controllability of the linear one dimensional Schrodinger equation with vanishing viscosity, ESAIM: Control, Optimisation and Calculus of Variations, 18 (2012), 277-293.

30. C. P. Niculescu, I. Rovenţa, Generalized convexity and the existence of finite time blow-up solutions for an evolutionary problem, *Nonlinear Analysis: Theory, Methods & Applications* 75 (2012), 270-277.

31. N. Cindea, S. Micu, I. Rovenţa, M. Tucsnak, Controllability of a nonlinear hybrid system, *Annals of the University of Craiova - Mathematics and Computer Science Series*, Vol 38, No 1 (2011), 35-48.

32. I. Rovenţa, Large solutions to a singular weighted quasi-linear equations involving the p-Laplacian operator, *Proceedings of ISCOPAM 2010, Editors: /Ovidiu Carja and Ionel-Dumitrel Ghiba, Editura Universitatii "Alexandru Ioan Cuza" Iasi*, 2011, pp. 209-220, ISBN 978-973-703-602-5.

33. C. P. Niculescu, I. Rovenţa, Large Solutions for Semilinear Parabolic Equations Involving Some Special Classes of Nonlinearities, *Discrete Dynamics in Nature and Society*, Volume 2010 (2010), Article ID 491023, 11 pages.

34. I. Rovenţa, Schur-convexity of a class of symmetric functions, *Annals of the University of Craiova - Mathematics and Computer Science Series* 37 (2010), No. 1, 12-18.

35. C. P. Niculescu, I. Rovenţa, The Fan's inequality in metric spaces with non-positive curvature, *Applied Mathematics Letters* 22 (2009), 1529-1533.

36. C. P. Niculescu, I. Rovenţa, The existence of a global attractor for a class of rational maps, *Annals of the Academy of the Romanian Scientists, Series on Mathematics and its Applications* 1 (2009), No. 2, 215-227.

37. C. P. Niculescu, I. Rovenţa, Schauder fixed point theorem in metric spaces with non-positive curvature, *Fixed Point Theory and Applications*, volume 2009 , article ID 906727, 8 pages.

38. I. Rovenţa, Boundary asymptotic and uniqueness of solution for a problem with p(x)-Laplacian, *Journal of Inequalities and Applications*, Volume 2008, 14 pages.

39. M. Mihăilescu, I. Rovenţa, Existence and multiplicity of radial solutions for an elliptic boundary value problem on an annulus, *Bull. Math. Soc. Sci. Math. Roumanie* 50 (2007), No. 4, 331-341.

40. C. P. Niculescu, I. Rovenţa, Fan's inequality in the context of Mp-convexity, in vol. *Applied Analysis and Differential Equations, Proc. ICAADE 2006*, pp. 267-274, *World Scientific*, Singapore, 2007 (Editors, Ovidiu Carja and Ioan I. Vrabie) ISBN 978-981-270-594-5, ISSN 981-270-594-5.

41. I. Rovenţa, A generalization of Ky Fan's theorem, Proceedings of the International Conference of Young Scientists, affiliated to the International Conference *Computer Algebra in Scientific Computing- 2006,* CASC 2006, Chisinau, Proc. CASC 2006, pp 181-186, ISBN 978- 9975-70-677-3.

Research projects

1. Director of the CNCS-UEFISCDI research mobility project PN-III-P1-1.1-MC-2018-1443.

2. Director of the CNCS-UEFISCDI research mobility project: PN-III-P1-1.1-MC-2017-2433, no. 666/18.12.2017.

3. Director of the CNCS-UEFISCDI research project: Controllability and optimization problems, project number: PN-II-RU-TE-2014-4-1109. Team members: Ionel Dumitrel Ghiba, Nicolae Cindea, Laurentiu Emanuel Temereanca, Maria Malin, Ionela Loredana Stancut.

4. Director of the CNCS research project: Numerical methods for controls of partial differential equations, PNII Grant, Capacitati Brancusi, Modul III, Bilateral proiect Romania-France, project number PN-II-CT-RO-FR 2012-1-1005, Nr. 700/19.04.2013, CF-128/19.04.2013. Members of the french team: Nicolae Cindea, Arnaud Munch. Members of the romanian team: Florin Ioan Bugariu, Sorin Daniel Micu, Ionel Roventa.

5. Member of the CNCS research project: Mathematical methods applied in the study of mechanical systems, project number: PN-II-RU-TE-2014-4-0320, Director: Ionel Dumitrel Ghiba.

6. Postdoctoral fellowship: POSDRU/159/1.5/S/133255, University of Craiova, research project: Optimization problems in convex analysis and control theory, April 2014 - October 2015.

7. Member of the CNCS-UEFISCDI research project: *Controllability, asymptotic behavior and numerical analysis for evolutionary processes*, project number: PN-II-ID-PCE-2011-3-0257. Director: Sorin Daniel Micu.

8. Member of the CNCS-UEFISCDI research project: *Strongly Nonlinear Problems in Contact Mechanics*, project number: PN-II-RU-TE-2011-3-0223. Director: Andaluzia-Cristina Matei.

9. Member of the research project : Sisteme cu parametri distribuiti: analizã, sintezã via functionale Liapunov pentru comandã, aproximare numericã si implementare tip neurocomputing, No.: 10C/27.01.2014, University of Craiova, (2014). Director: Daniela Danciu.

10. Member of the research project: *Control of some fluid-structure interaction*, supported by Laboratoire Europeen Associe CNRS Franco-Roumain, LEA MATH-MODE Mathematiques and Modelisation, 2011.

11. Member of the CNCSIS Grant: *Controlability problems for partial differential equations*, Grant PNII, Capacitati Brancusi, Modul III, bilateral project Romania-France, Nr. 206/13-04-2009. Director: Sorin Daniel Micu

12. Member of the CNCSIS Grant: *Problems of convex analysis, numerique analysis and control in the study of phisical complex systems*, Grant PNII, IDEI, Nr. 420/2008. Director: Constantin P. Niculescu.

13. Member of the CNCSIS Grant: *Analysis and controls of the neliniar differential systems*, 589/2007. Director: Vicentiu Radulescu.

14. Member of the CNCSIS Grant: *Integration of master programs into the European higher educational framework by promoting interdisciplinary research via nonlinear analysis and evolution problems*, Contract 26761/2005 theme 14, Grant 80. Director: Constantin P. Niculescu.

Books:

1. Ionel Rovenţa, Recent trends in majorization theory, Applications to wireless communications, Universitaria Craiova Publishing, 2015, 111 pages, ISBN: 978-606-26-0303-8.

Selected honors and awards:

1. **“Spiru Haret" Prize of the Romanian Academy in the domain of mathematical sciences, for the paper “*Particle supported control of a fluid-particle system*”, 2017 (http://www.acad.ro/premiileAR/pag_premii_lista.htm)**

2. **Professeur** invité CEREMADE Université Paris Dauphine, August - September 2021.

Research Stages

1. Stage to Universite de Bordeaux, Institut de Mathematiques de Bordeaux, August 26-September 1, 2018, supported by CNCS-UEFISCDI research project PN-III-P1-1.1-MC-2018-1443.

2. Stage to Universite Clermont Auvergne, Laboratoire de mathematiques Blaise Pascal, February 1- 18, 2018, supported by CNCS-UEFISCDI research project PN-III-P1-1.1-MC-2017-2433.

3. Stage to City University of Hong-Kong, May 29 - June 12, 2017, supported by CNCS-UEFISCDI research project PN-II-RU-TE-2014–1109.

4. Stage to Universite Clermont Auvergne, Laboratoire de mathematiques Blaise Pascal, February 7- 20, 2017, supported by CNCS-UEFISCDI research project PN-II-RU-TE-2014–1109.

5. Stage to Universite Paris Dauphine, CEREMADE, UMR CNRS 7534, June 25 - July 1, 2016, supported by CNCS-UEFISCDI research project PN-II-RU-TE-2014–1109.

6. Stage to Universite Blaise Pascal, Laboratoire de Mathematiques de Clermont-Ferrand, February 4-18, 2016, suported by „Programme des Professeur Invites Courts Sejours".

7. Stage to Universitat Duisburg-Essen, Fakultat fur Mathematik, Nichtlineare Analysis und Modellierung, January 31- February 28, 2015, supported by research project "Burse Universitare în România prin Sprijin European pentru Doctoranzi si Post-doctoranzi (DOC-POSDOC)", ID CONTRACT POSDRU/159/1.5/S/133255.

8. Stage to Universite Blaise Pascal, Laboratoire de Mathematiques de Clermont-Ferrand, November 9-18, 2014, suported by CNCS-UEFISCDI bilateral research project, PNII Capacitati Brancusi, Romania-France, PN-II-CT-RO-FR 2012-1-1005

9. Stage to Universite Blaise Pascal, Laboratoire de Mathematiques de Clermont-Ferrand, May 25-30, 2012, suported by CNCS-UEFISCDI research project PN-II-ID-PCE-2011-3-0257.

10. Stage to Universite Blaise Pascal, Laboratoire de Mathematiques de Clermont-Ferrand, November 4-11, 2013, suported by CNCS-UEFISCDI bilateral research project, PNII Capacitati Brancusi, Romania-France, PN-II-CT-RO-FR 2012-1-1005

11. Stage to Universite Henri Poincare Nancy 1, Institute Elie Cartan, Nancy, France, 8 - 19 november, 2011, suported by Laboratoire Europeen Associe CNRS Franco-Roumain, LEA MATH-MODE Mathematiques and Modelisation, 2011.

12. Stage to Universite Henri Poincare Nancy 1, Institute Elie Cartan, Nancy, France, september 20 - october 2, 2011, suported by Laboratoire Europeen Associe CNRS Franco-Roumain, LEA MATH-MODE Mathematiques and Modelisation, 2011.

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13. Stage to Universite Henri Poincare Nancy 1, Institute Elie Cartan, Nancy, France, 6-15 June, 2010, suported by CNCSIS Grant, PNII, Capacitati Brancusi, Modul III, bilateral project Romania-France, Nr. 206/2009.

14. Stage to Institute Henri Poincare, Paris, France, 2-26 November, 2010, Control of Partial and Differential Equations and Applications Trimester, Centre Emile Borel, suported by CNCSIS Grant, PNII, IDEI, Nr. 420/2008.

15. Stage to Universite Henri Poincare Nancy 1, Institute Elie Cartan, Nancy, France, 1-8 September, 2009, suported by CNCSIS Grant, PNII, IDEI, Nr. 420/2008.

16. Stage to Universite Henri Poincare Nancy 1, Institute Elie Cartan, Nancy, France, 8-20 June, 2009, suported by CNCSIS Grant, PNII, Capacitati Brancusi, Modul III, bilateral project Romania-France, Nr. 206/2009.

Conferences, Workshops, Invited talks and Summer Schools

1. 24th International Conference on System Theory, Control and Computing (ICSTCC) October 8-10, 2020, A note on weighted Ingham's inequality for families of exponentials with no gap, contributed talk.

2. Dynamics, Equations and Applications (DEA 2019), AGH University of Science and Technology, September 16 - 20, 2019, Krakow, Poland, Optimal approximation of internal controls for a wave-type problem with fractional laplacian using finite-difference method, invited talk.

3. 8th Workshop on Partial Differential Equations, Optimal Design and Numerics, August 16 - 30, 2019, Benasque, Spain, Optimal approximation of internal controls for a wave-type problem with fractional Laplacian, Thematic session on Numerics and control, contributed talk.

4. XIV-ème colloque franco-roumain de mathématiques appliquées, August 27-31, 2018, Université de Bordeaux, France, organiser (with Pierre Lissy) of the session: Contrôle des EDP.

5. First Romanian Itinerant Seminar on Mathematical Analysis and its Applications (RISMAA), Babes-Bolyai University, Romania, 19-21 April, 2018, Optimal filtration for the approximation of controls, invited talk.

6. 7th Workshop on Partial Differential Equations, Optimal Design and Numerics, August 20 - September 1, 2017, Benasque, Spain, “Approximation of boundary

controls for the wave equation", contributed talk.

7. 23rd International Conference on Difference Equations and Applications (ICDEA 2017), West University of Timisoara, Romania, 24-28 July, 2017, The approximation of boundary controls for the one-dimensional wave equation, invited talk.

8. Plenary lecture at Laboratoire de Mathematiques de Clermont-Ferrand, Universite Blaise Pascal, Optimal filtration for approximation of boundary controls for the one-dimensional wave equation using finite differences, February 14, 2017.

9. XIII − eme Colloque Franco − Roumain de Mathematiques Appliquees, Iasi, August, 25-29, 2016, Session: Analysis and control for PDE's, Approximation of the controls for hinged and clamped beam equations, invited talk.

10. Conference of Applied and Industrial Mathematics, CAIM 2016, Section: PDE's with applications in Mechanics, Biology, Craiova, September 17-19, 2016, Approximation of the boundary controls for the wave equation, contributed talk.

11. Emerging trends in Applied Mathematics and Mechanics, ETAMM 2016, May 30 – June 3, Perpigan France, Approximation of the controls for hinged and clamped beam equations, contributed talk.

12. Diaspora in Cercetarea Stiintifica ̧si Invatamantul Superior din Romania - Diaspora ̧si prietenii sai 2016 Workshop: Sisteme Dinamice. Teoria ̧si aplicatii. Timisoara, April 25-27, 2016, Approximation of the controls for the beam equation, invited plenary talk.

13. ICAMNM 2016, Craiova 15-17 April, Approximation of the controls for beam equation with different boundary conditions, contributed talk.

14. Conférence Contrôle des EDP et applications, CIRM, Marseille, 9-13 november 2015.

15. Journées EDP Rhône-Alpes-Auvergne, Université Blaise Pascal, Clermont-Ferrand, 19-20 november 2015.

16. 9th Workshop of Distributed Parameter Systems, June 29-July 3, Beijing, China, Approximation of the Controls for the Beam Equation with Vanishing Viscosity, invited plenary talk.

17. Lectures at Universitat Duisburg-Essen, Fakultat fur Mathematik, Nichtlineare Analysis und Modellierung, Oberseminar analysis, Majorization in spaces with global nonpositive curvature and Relative convexity and relative Schur convexity with applications, February 13 and 19, 2015.

18. 19th World Congress of the International Federation on Automatic Control, Cape Town, South Africa, August 24-29, 2014, Controllability of the semi discrete space approximation for the beam equation, contributed talk.

19. Mathematical Inequalities and Applications, Trogir, Croatia, June 22-26, 2014, An approach of Schur convex-concave functions, contributed talk.

20. The Twelfth Conference on Nonlinear Analysis and Applied Mathematics, Targoviste, Romania, June 13-14, 2014, A new approach on weak majorization and applications, contributed talk.

21. The Joint Meeting on Quantum Field Theory and Nonlinear Dynamics, The controllability of a system modeling the motion of a swimmer moving in a viscous fluid, Sinaia September, 24-27, 2014, contributed talk in Nonlinear Dynamics session.

22. Ist IFAC Workshop on Control Systems Modeled by Partial Differential Equations, CPDE, September 25-27, Institute Henri Poincare, Paris, France, Numerical aspects and controllability of a one dimensional fluid-structure model, regular talk in „Controllability and observability" session.

23. 21th Conference on Applied and Industrial Mathematics, September 19-22, 2013, Bucharest, Romania, Generalized equilibrium problems related to Ky Fan inequalities, invited talk.

24. 5-th Workshop Partial differential equations, optimal design and numerics, Benasque, Spain, August 25-September 5, 2013, Controllability of a fluid-structure model, thematic session on "Fluid-Structure Interactions", contributed talk.

25. Thematic school of the GDRE ConEDP: Control of PDE's interactions and applications challenges, November 5th-9th, Centre International de Rencontres Mathematiques (CIRM), Luminy, France.

26. 33th International Summer School of Automatic Control, Modeling and Control of Distributed Parameter Systems, Gipsa-Lab Departament Automatique, Grenoble, France, September, 10-14, 2012.

27. Xieme Colloque Franco-Roumain de Mathématiques Appliquées, Faculté de Mathématiques et Informatique, Bucarest, 24-30 Août 2012.

28. Spring School in Nonlinear Partial Differential Equations, Université Libre de Bruxelles, May 30–June 6, 2012.

29. Congres d'Analyse Numerique CANUM 2012, Super-Besse, May 21-25, 2012, Laboratoire de Mathematiques de Clermont-Ferrand, On the solvability of an abstract variational system, contributed talk.

30. Workshop on "Partial differential equations, optimal design and numerics" 2011, August 28- September 09, 2011, Centro de Ciencias de Benasque Pedro Pasqual, Organizers: G. Buttazzo (U. Pisa) and E. Zuazua (BCAM.

31. 10th International Symposium on Generalized Convexity/Monotonicity, Cluj, 22-27 August, 2011, An Applications of generalized convexity to the existence of finite time blow-up solutions for an evolutionary problem, contributed talk.

32. 7th Congress of Romanian Mathematicians, Brasov, June 29 - July 5, 2011, Generalized convexity and the existence of finite time blow-up solutions for semilinear parabolic equations, contributed talk.

33. International Student Conference on pure and Applied Mathematics, ISCOPAM 2010, Iasi, 12-16 July, 2010, Uniform controllability of the linear one dimensional Schrodinger equation with viscosity, contributed talk.

34. National Conference of the Academy of Romanian Scientists, 22-24 September, 2010, Uniform controllability of the linear one dimensional Schrodinger equation with vanishing viscosity, contributed talk.

35. National Mathematics Conference for University Students, Iasi, July-2009, Schauder fixed point theorem in global NPC spaces, contributed talk.

36. Mathematics and Informatics Technologies: Research and Education, MITRE-2008, Chisinau, October 1-4, 2008, Fixed point theorems in context of spaces with non-positive curvature, contributed talk.

37. National Mathematics Conference for University Students, Iasi, July 2008, Functii Schur-convexe. Inegalitati simetrice, contributed talk.

38. 10th International Conference on Discrete Mathematics Convexity and Graph Theory, Universitat Dortmund, Germany, 14-18 July, 2007, Fan's inequality in metric spaces with nonpositive curvature, contributed talk.

39. National Mathematics Conference for University Students, Iasi, July, 2007, Existenta unui atractor global pentru o clasa de aplicatii rationale, contributed talk.

40. 6th Congress of Romanian Mathematicians, Bucharest, 28 June- 4 July, 2007, The existence of a global atractor for a class of rational maps, contributed talk.

41. International Conference on Applied Analisys and Differential Equations, (ICAADE-2006), Iasi, 4-9 September, 2006, Fan's inequality in the context of Mp-convexity, contributed talk.

42. International Conference on Applied Analisys and Differential Equations, (ICAADE-2006), Iasi, 4-9 September, 2006, Existence and multiplicity of radial solutions for an elliptic boundary value problem on an annulus, contributed talk.

43. National Mathematics Conference for University Students, Iasi, July, 2006, O geneneralizare a Teoremei Ky Fan in cazul Mp Convexitatii, contributed talk.

44. CERCMS International Conference of Young Scientist affiliated to the International Conference Computer Algebra in Scientific Computing-2006, Proc. CASC 2006, A generalization of Ky Fan's Theorem, contributed talk.

45. National Mathematics Conference for University Students, Iasi, May, 2005, Echilibrul Nash si algoritmul Lemke-Howson, contributed talk.

Date:
18.06.2021

Associate Professor,
Ionel Rovenţa