

CURRICULUM VITAE EUGEN MIHAILESCU

May 2018

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Work Address: Institute of Mathematics "Simion Stoilow" of the Romanian Academy, P.O Box 1-764, RO-014700, Bucharest, Romania.

Current Position:

Principal Researcher I, Full Professor, Institute of Mathematics "Simion Stoilow" of the Romanian Academy, Bucharest.

Studies:

1. **Habilitation to direct PH.D theses**, Institute of Mathematics of the Romanian Academy, Bucharest, 2014.
2. **PH.D in Mathematics**, University of Michigan, Ann Arbor, USA, 1995-1999.
3. **Diploma**, University of Bucharest, Romania, 1990-1995.
Diploma of Merit in Mathematics, July 1995.

Fields of Interest:

Dynamical Systems and Ergodic Theory.

Dimension Theory. Complex Dynamics.

Geometric Analysis. Probability Theory on Fractals.

Ergodic Number Theory.

Academic Employment:

1. Principal Researcher I, Full Professor, 2013-present, Institute of Mathematics of the Romanian Academy (IMAR).
2. Principal Researcher II/Associate Professor, 2006-2013, Institute of Mathematics of the Romanian Academy (IMAR).
3. Visiting Professor, 2002, Dept of Mathematics, University of North Texas, USA.
4. Visiting Professor, 1999-2001, Dept of Mathematics, Texas A&M University, USA.

5. Principal Researcher III/Assistant Professor, 2000-2006, Institute of Mathematics of the Romanian Academy (IMAR).
6. Rackham Fellowship Researcher, 1999, University of Michigan, USA.
7. Graduate Researcher and Teaching Assistant, 1995-1998, Dept of Mathematics, University of Michigan, USA.

Research Visits:

1. Pennsylvania State University, Center for Dynamics and Geometry, USA, April 2018.
2. University of Illinois, USA, April 2018.
3. Mittag-Leffler Institut, Royal Swedish Academy of Sciences, Stockholm, Oct 2017.
4. Institut des Hautes Études Scientifiques, Bures-sur-Yvette, France, March-May 2017.
5. Université Lille, France, May 2016.
6. Brown University-ICERM, Providence, USA, Semester on Fractals, March 2016.
7. University of North Texas, USA, March 2015.
8. Institut des Hautes Études Scientifiques, Bures-sur-Yvette, France, Aug-SEp 2014.
9. Institut des Hautes Études Scientifiques, Bures-sur-Yvette, France, Nov-Dec 2013.
10. University of Bremen, Germany, March-May 2012.
11. University of Michigan, Ann Arbor, USA, Sep 2011.
12. Max Planck Institut, Bonn, Germany, May 2011.
13. Erwin Schrödinger Mathematical Institute, “Hyperbolic Dynamics Semester”, Vienna, Austria, June 2008.

14. Visiting Research Fellowship, Instituto Nacional de Matematica Pura e Aplicada, IMPA, Rio de Janeiro, Brazil, February 2008.
15. Univ. North Texas, USA, Febr.-March 2007 funded by NSF.
16. Göttingen Universität, Germany, Dec. 2006.
17. Université Paris 6, France, Oct. 2006.
18. Co-organizer and participant in the Program of Scientific Exchange between the Romanian and Polish Academies, “Holomorphic Dynamics and Ergodic Theory”, 2004-2005.
19. Institute of Mathematics Polish Academy (IMPAN), Warsaw, Apr 2004.
20. Humboldt Univ, Berlin, Germany, March-May 2005.
21. Centro de Giorgi - Univ. Pisa, Italy, Nov. 2004.
22. Visits at Univ of North Texas, USA, in the period 2003-2005.
23. Scuola Normale Superiore, Pisa, Italy, April 2002.
24. SUNY Stony Brook, USA, April 2001.

Grants/Fellowships/Awards/Editor:

1. Project Director, Grant PN III-P4-ID-PCE-2016-0823, ”Dynamics and Differentiable Ergodic Theory”, from UEFISCDI Romania, 2017-2019.
2. Editor, Discrete and Continuous Dynamical Systems - series S, from American Institute of Mathematical Sciences. ISI journal.
3. CNRS-IMAR grant with Univ Lille, France, 2015.
4. Grant from Mathematisches Forschungsinstitut Oberwolfach, for the organization jointly with B. Stratmann, of the workshop ”Differentiable Ergodic Theory, Dimension Theory and Stable Foliations”, Oberwolfach, Germany, 28 Sep - 4 Oct, 2014.
5. Editor, ”Differentiable Ergodic Theory, Dimension Theory and Stable Foliations”, Oberwolfach Reports, vol 11, no 4, 2014, Springer.

6. Prize for Habilitation thesis, 2015, from CNCSIS Romania.
7. Research project "Dynamical systems and smooth ergodic theory" at IHÉS, Bures-sur-Yvette, France, 3 months 2013-2014.
8. Project Director, Grant PN II-IDEI-PCE, "Numerical invariants and geometric properties for classes of dynamical systems", 2009-2011, from CNCSIS-Romania.
9. Annual awards for research publications, since 2008, from CNCSIS (Romania).
10. Organizer "Ergodic Theory and Dynamics" session, International Congress of Romanian Mathematicians, Iasi, June 2015.
11. Member of the Global Organizing Committee, and Co-organizer with B. Stratmann of the "Hyperbolic Dynamics and Smooth Ergodic Theory" Section, 8-th AIMS International Conference on Dynamical Systems and Differential Equations, Dresden, Germany, May 2010.
12. Prize "Simion Stoilow" of the Romanian Academy, December 2007.
13. Co-organizer of an exchange program between Polish and Romanian Academies 2004-2005.
14. Rackham Research Fellowship, University of Michigan, Ann Arbor, USA, 1999.
15. Doctoral Fellowship, University of Michigan, Ann Arbor, 1995 - 1998.
16. National Merit Fellowships, University of Bucharest, 1991-1995.

Some Selected Invited Talks:

1. Pennsylvania State University, Center for Dynamics and Geometry, State College, USA, April 2018.
2. Univ of Illinois, Urbana-Champaign, April 2018.
3. Conference on Thermodynamic Formalism–Applications to Geometry and Number Theory, Bremen, Germany, July 2017.

4. Univ Lille, France, March 2017.
5. International Conference on Complex Analysis and Related Topics, Bucharest, Jun 2016.
6. Fractals and Related Fields III Conference, Porquerolles, France, Sep 2015.
7. Univ North Texas, USA, Mar 2015.
8. Differentiable Ergodic Theory, Dimension Theory and Stable Foliations, Oberwolfach, Germany, Oct 2014.
9. Conference on Logic and Dynamics, Denton, USA, June 2014.
10. Fractal Geometry and Stochastics Conference, Tabarz, Germany, Mar 2014.
11. IMAR Monthly Lecture, Bucharest, Feb 2014.
12. Ovidius University Analysis Workshop, Constanta, Romania, May 2013.
13. XI-eme Colloque Franco-Roumain de Mathématiques Appliquées, Workshop Exploratoire: Equations aux Derivées Partielles et Applications, Bucharest, Aug. 2012.
14. University of Bremen, Germany, May 2012.
15. Dynamics and Geometry Seminar, University of Bremen, Germany, May 2012.
16. Thermodynamical Formalism, Stochastics and Geometry, Mathematisches Forschungsinstitut Oberwolfach, Germany, Jan. 2012.
17. Higher Dimensional Dynamics Seminar, University of Michigan, Ann Arbor, USA, Sept. 2011.
18. Seventh Congress of Romanian Mathematicians, Brasov, July 2011.
19. Algebraic Dynamics Conference, City University of New York, New York, USA, June 2010.

20. 8-th AIMS Conference on Dynamical Systems and Differential Equations, Dresden, Germany, May 2010.
21. Dynamical Systems Session, Pacific Rim International Congress of Mathematics, Sydney, Australia, July 2009.
22. International Conference on Dynamical Systems II, Denton, Texas, USA, May 2009.
23. Workshop on Recent Trends in Complex Analysis and Related Topics, and 11-th Romanian-Finnish Seminar, Alba-Iulia, Romania, Aug. 2008.
24. Dynamics Seminar, Instituto de Matematica Pura e Aplicada (IMPA), Rio de Janeiro, Brazil, February 2008.
25. 6-th International Congress of Romanian Mathematicians, Bucharest, Romania, July 2007.
26. Dynamical Systems Seminar, Univ. of North Texas, March 2007.
27. Conformal Structures Workshop, Institut für Mathematische Stochastik, Univ. Göttingen, Germany, Dec. 2006.
28. Dynamical Systems and Harmonic Analysis Seminar, Univ. Paris 11, Orsay, France, Oct. 2006.
29. Analysis/ Dynamics Seminar, Univ. North Texas, USA, Oct. 2005.
30. X-th Romanian-Finnish Seminar and the International Conference on Complex Analysis and Related Topics, Cluj, Romania, August 2005.
31. Dynamics Seminar, Centro de Giorgi, Pisa, Italy, November 2004.
32. Millican Colloquium Series, University of North Texas, October 2004.
33. Dynamical Systems Seminar, Institute of Mathematics of the Polish Academy, Warsaw, Poland, April-May 2004.
34. International Dynamical Systems Conference, Denton, USA, May 2003.
35. Analysis/Dynamics Seminar, Univ. North Texas, USA, Nov. 2002.

36. Holomorphic Iteration Workshop, Banach Center-IMPAN, Warsaw, Poland, May 2002.
37. Dynamics Seminar, University of North Texas, USA, October 2000.
38. Series of talks in Complex Analysis Seminar, Texas A& M University, College Station, USA, 2000-2001.
39. Holomorphic Dynamics Conference, Scuola Normale Superiore, Pisa, Italy, April 1999.
40. Midwest Several Complex Variables Conference, Indiana University, Bloomington, USA, Febr. 1999.
41. Complex Dynamics Seminar, Univ. of Michigan, Nov. 1998.

Other talks:

Rio de Janeiro, Brazil; Denton, USA; New York, USA; Inst. Henri Poincare (Paris), France; Sevilla, Spain; Pisa, Italy; Gottingen, Germany; Luminy, France; Los Angeles, USA; Washington, USA; College Station, USA; Ann Arbor, USA; Pisa, Italy; San Antonio, USA; Bloomington, USA; Indianapolis, USA; Seattle, USA; Stony Brook, USA, etc.

Professional Service:

1. Doctoral adviser at IMAR.
2. Frequent refereeing of articles for international mathematics journals.
3. Editorial Board, Discrete and Continuous Dynamical Systems-series S, from American Institute of Mathematical Sciences. ISI journal.
4. Reviewer for Math Reviews, and Zentralblatt Math.
5. Member Global Organizing Committee, 8-th AIMS International Conference on Dynamical Systems and Differential Equations, Dresden, Germany, May 2010.
6. Referee for grant applications at the Romanian Research Council.
7. Supervised 2 Master theses so far (R. Tanase, 2007; D. Putan, 2011). On Thesis Committee of 3 Master and 2 PH.D students at IMAR.

Teaching:

During the period 2006-present I taught many graduate courses at the Normal Superior School of Bucharest (SNSB), an institution for talented mathematics graduate students. These courses were in Dynamical Systems, Ergodic Theory, Complex Dynamics, Fractal Geometry, Probability on Fractals.

Also taught courses at universities in USA and Romania, such as: University of South Carolina, University of Michigan, Texas A&M University, University of North Texas, Polytechnic University of Bucharest, etc. Supervised graduate teaching assistants at Texas A & M Univ, and Univ North Texas.