

CURRICULUM VITAE

Last name: Rădulescu

First name: Vicențiu

Date and place of birth: 11 May 1958 at Caracal, Romania

Education:

- B. Sc. and Master: Faculty of Mathematics, University of Craiova, Romania
- Ph.D.: Laboratoire d'Analyse Numérique, Université Pierre et Marie Curie (Paris 6)
- Habilitation: Laboratoire Jacques-Louis Lions, Université Pierre et Marie Curie (Paris 6)

Present positions:

- Full Professor at the Department of Mathematics, University of Craiova, Romania
- Professorial Fellow at the Institute of Mathematics “Simion Stoilow” of the Romanian Academy, Bucharest, Romania
 - Researcher in the *Topology, Geometry and Nonlinear Analysis Group* of the Institute for Mathematics, Physics and Mechanics, University of Ljubljana, Slovenia

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Degrees:

• February 2003: Habilitation “à diriger des recherches” at the Université Pierre et Marie Curie (Paris 6): *Analyse de quelques problèmes aux limites elliptiques non linéaires*. Mémoire realized under the coordination of Professor Haim Brezis (member of the French Academy - Institut de France). The reports have been written by Prof. Catherine Bandle, Prof. Otared Kavian and Prof. Michel Willem. The other members of the commission were Prof. Fabrice Bethuel, Prof. Doina Cioranescu and Prof. Laurent Véron.

• June 1995: Ph.D. at the Laboratoire d'Analyse Numérique, Université Pierre et Marie Curie from Paris under the coordination of Professor Haim Brezis, with the thesis *Analysis of Some Problems Related to the Ginzburg-Landau Equation*. The commission was composed by the following Professors: Haim Brezis, Fabrice Béthuel, Thierry Cazenave, Doina Cioranescu, Alain Haraux, Frédéric Hélein and L.A. Peletier. For this thesis I received the highest academic distinction: *très honorable avec félicitations*.

• December 1993: Ph. D. at the University of Craiova, Romania with the thesis *Applications of Operator Theory to Nonlinear Analysis*. Adviser: Prof. Constantin Niculescu.

Scientific awards:

- Simion Stoilow Prize of the Romanian Academy, 1999
- Prize for Excellence in Research of the Romanian Research Council, 2007
- Distinguished Invited Professor, University of Ljubljana (July–September 2008)

– Best Associate Editor of the *Journal of Mathematical Analysis and Applications*, 2009

Academic experience:

- 1977–1982: Faculty of Mathematics, University of Craiova, Romania
- 1982–1990: High-school Mathematics teacher
- 1990–1992: Assistant, Department of Mathematics, University of Craiova, Romania
- 1992–1995: Lecturer, University of Craiova, Romania
- 1995–1998: Associate Professor, University of Craiova, Romania
- 1998– : Full Professor, Department of Mathematics, University of Craiova, Romania
- 2007–: Senior Principal Research Fellow, Institute of Mathematics “Simion Stoilow” of the Romanian Academy, Bucharest, Romania
- 2008–: Associate Professor at the University A.I. Cuza of Iași
- 2008–: Member of the Scientific Board of the *Laboratoire Européen Associé CNRS Franco-Roumain Mathématiques & Modélisation* between the *Laboratoire de Mathématiques de l’Université Paris-Sud (Orsay)* and the “Simion Stoilow” Mathematics Institute of the Romanian Academy
- 2011–: Member of the National Council for Titles, Diplomas and Certificates (Mathematics and Natural Sciences Commission)

Editorial activities:

- Acquisition Editor, *de Gruyter–Versita Book Publishing Program in Mathematics*
- Member of the Editorial Board of *de Gruyter–Versita* in the Differential Equations Section
- Editor in Chief of *Advances in Nonlinear Analysis* (Walter de Gruyter)
- Associate Editor of *Nonlinear Analysis: Theory, Methods & Applications* (Elsevier, 2009 ISI Impact Factor: 1.487)
- Associate Editor of the *Journal of Mathematical Analysis and Applications* (Elsevier, 2009 ISI Impact Factor: 1.225)
- Editor of *Advances in Pure and Applied Mathematics* (Walter de Gruyter)
- Member of the Editorial Board of *Complex Variables and Elliptic Equations* (Taylor & Francis, 2010 ISI Impact Factor: 0.409)
- Associate Editor of *Boundary Value Problems* (Springer, 2009 ISI Impact Factor: 1.068)
- Member of the Editorial Committee of *Opuscula Mathematica* (Krakow University)
- Member of the Editorial Board of *Revue d’Analyse Numérique et de Théorie de l’Approximation* (Romanian Academy)
- Associate Editor of the *Electronic Journal of Differential Equations*
- Member of the Editorial Board of *Ann. St. Univ. Ovidius Constanta*
- Managing Editor at the *Annals of the University of Craiova - Mathematics and Computer Science Series*
- Member of the Editorial Board of *Publications of the Centre for Nonlinear Analysis and its Applications*
- Associate Editor of *Arhimede*
- Associate Editor of the *Bulletin of Mathematical Analysis and Applications* (2008–2011)

Fields of interest:

- nonlinear partial differential equations of elliptic type
- degenerate and singular phenomena in mathematical physics (logistic equations with blow-up boundary, nonlinear PDEs with singular terms, PDEs on fractal domains)
- topological and variational methods with applications to nonlinear partial differential equations and unilateral problems

- bifurcation theory and applications to mathematical physics, chemistry, and mathematical biology
- spectral analysis for non-homogeneous differential operators and applications to electrorheological fluids

Courses:

- *Functional Analysis* (10 hours, Central European University, Budapest, September 2002)
- *Nonlinear Analysis and Mathematical Physics* (52 hours, École Normale Supérieure, Bucharest, Academic year 2005-2006)
- *Applied Functional Analysis and Partial Differential Equations* (48 hours, École Normale Supérieure, Bucharest, Academic year 2010-2011)

Visiting Professor Positions:

- University of Uppsala (two weeks in October 1995)
- Politecnico di Milano (March 1996, with a CNR research grant)
- Freie Universität in Berlin (two weeks in May 1996)
- Aristotle University in Thessaloniki (June 1996)
- Leiden University (October and November 1996)
- Università Cattolica di Brescia (March 1997, with a CNR research grant)
- Aristotle University in Thessaloniki (May 15 - June 15, 1997)
- Universities of Sussex and Oxford (December 15, 1997 - February 15, 1998), with a Royal Society Research Fellowship
- 1998-2000: PAST Visiting Professor at the Laboratoire d'Analyse Numérique, Université Pierre et Marie Curie (Paris 6)
- Université Catholique de Louvain (Belgium) in November 1998
- University of Perugia (Nov. 15 - Dec. 15, 1999, with a CNR research grant)
- Université Pierre et Marie Curie (March 1 - May 31, 2001) with a CNRS research visiting position at the Laboratoire d'Analyse Numérique
- Université Catholique de Louvain (Belgium) in October 2001
- Université de Picardie "Jules Verne", Amiens (February 2002)
- Politecnico di Milano (June-July 2002, with a GNAMPA-INDAM Visiting Professor position)
- Université de Savoie-Chambéry (September 1 - November 30, 2002) with a CNRS research visiting position
- Central-European University, Budapest (10 days in September 2002)
- Université de Picardie "Jules Verne", Amiens (February 2003)
- Université de Tunis El Manar (two weeks in April 2003)
- Institut Elie Cartan, Université Henri Poincaré (Nancy I) (May 2003)
- Mathematisches Institut, Basel Universität (two weeks in June 2003)
- Université de Perpignan (July 2003)
- Université de Picardie "Jules Verne", Amiens (February 2004)
- Université de Savoie-Chambéry (two weeks in March 2004)
- Université de Tunis El Manar (two weeks in April 2004)
- Université Catholique de Louvain (Belgium) in November 2004
- Université de Picardie "Jules Verne", Amiens (February 2005)
- Universidad Complutense de Madrid (one week in March 2005)
- City University of Hong Kong (two weeks in April 2005)
- Université de Tunis El Manar (two weeks in May 2005)
- Université de Franche Comté and Université de Limoges (two weeks in November 2005)

- Université de Picardie “Jules Verne”, Amiens (February 2006)
- Université de Tunis El Manar (one week in May 2006)
- Université de Poitiers (June 2006)
- Université de Savoie (two weeks in August 2006)
- Central European University in Budapest (one week in September 2006)
- Université de Picardie “Jules Verne”, Amiens (one week in October 2006)
- University of Perugia (November 2006, with a GNAMPA–INdAM Visiting Professor position)
- Université de Picardie “Jules Verne”, Amiens (February 2007)
- Université de Tunis El Manar (one week in March 2007)
- Université de Haute Alsace (May 2007)
- Université de La Rochelle (one week in July 2007)
- Approximation and Wavelets, Bilateral Workshop Romania-Germany, October 1-4, 2007, Königswinter, Germany
 - Université Catholique de Louvain (December 2007)
 - Université de Picardie “Jules Verne”, Amiens (February 2008)
 - Université de Tunis El Manar (two weeks in March 2008)
 - Université de Limoges (May 2008)
 - Université de Tours (June 2008)
 - University of Perugia (two weeks in July 2008) with a GNAMPA–INdAM Visiting Professor position
 - Visiting Professor, Institute of Mathematics, Physics and Mechanics, University of Ljubljana (July–September 2008)
 - University of Cagliari (two weeks in October 2008)
 - Scuola Normale Superiore di Pisa (one week in October 2008)
 - City University of Hong Kong (one week in December 2008)
 - Université de Picardie “Jules Verne”, Amiens (February 2009)
 - Université de Tunis El Manar (one week in April 2009)
 - University of Rzeszów (one week in May 2009)
 - University of Ljubljana (one week in May 2009)
 - Université Pierre et Marie Curie Paris VI (one week in August 2009)
 - Université de La Rochelle (one week in September 2009)
 - Université de Picardie “Jules Verne”, Amiens (February 2010)
 - University of Rousse, Bulgaria (one week in April 2010)
 - University of Messina, Italy (one week in April 2010)
 - Universidad Autónoma de Madrid (one week in June 2010)
 - University of Oulu, Finland (one week in June 2010)
 - Institut Henri Poincaré, Paris (one week in November 2010)
 - Université de Tunis El Manar (one week in January 2011)
 - Université de Picardie “Jules Verne”, Amiens (May 2011)
 - University of Oxford (one week in November 2011)

Lectures delivered abroad:

- University of Wisconsin, Madison, USA (June 1991), on the occasion of the Conference *Mary Ellen Rudin and Her Work*
- Hyères, France (May 1993) at the 25ème Congrès National d'Analyse Numérique

- Almeria, Spain (June 1993) at the Summer School organized by Universidad Complutense from Madrid
- Université Pierre et Marie Curie (Paris 6), Laboratoire d'Analyse Numérique (1994 and 1995)
- ENS Paris (May 1994), at the 2nd French-Romanian Colloquium
- University of Uppsala (October 1995)
- Universities of Brescia, Trento, Padova, Milano, Politecnico di Torino and Politecnico di Milano (March 1996)
- Freie Universität from Berlin (two talks in May 1996)
- Plenary lecture at the 3rd French-Romanian Colloquium (September 1996)
- Universities of Leiden (5 talks), Delft, Louvain-la-Neuve, Namur, Aachen (2 talks) and Rouen (October-November 1997)
- Universities of Brescia, Povo-Trento, Milano, Roma - Tor Vergata and Politecnico di Milano (March 1997)
- University of Delaware (June 3-7, 1997): ISAAC'97, the First International Congress of the International Society for Analysis, its Applications and Computation, with the paper "Perturbation techniques for hemivariational eigenvalue problems"
- University of Sussex at Brighton (February 1998)
- Université de Limoges (May 1998, June 1999, May 2000 and November 2002)
- Universités Catholique de Louvain-la-Neuve and Libre de Bruxelles (November 1998, April 2000, October 2001)
- Universités de Montpellier (April 1999) et de Nancy (June 1999, May 2001, May 2003)
- Universities of Rome Tor-Vergata, Politecnico Milano, Brescia, Trento-Povo and Perugia (Nov.-Dec. 1999)
- Plenary lecture at the 5th French-Romanian Colloquium (August 2000)
- Romanian Academy of Sciences (February 2001)
- Université de Savoie-Chambéry (April 2001, October 2002, February 2006)
- Université de Paris 6 (Analyse Numérique and Théorie du Potentiel, May 2001)
- Université de Picardie-Amiens (May 2001, three talks in February 2002, two talks in February 2003, three talks in February 2004, November 2004, February 2005, February 2006)
- Université de Strasbourg (May 2001)
- CIMPA-UNESCO-CEU School on Functional Analysis, Partial Differential Equations and Numerical Analysis, Budapest, Central-European University, September 2002 [10 courses (=20h) on Functional Analysis]
- Université de Tunis El Manar (April 2003, April 2004, May 2005, May 2006)
- Mathematisches Institut, Universität Basel (June 2003)
- Université de Perpignan (July 2003)
- 21st IFIP TC 7 Conference on System Modelling and Optimization, Sophia Antipolis, France, July 21-25, 2003. Organized by the International Federation for Information Processing.
- Fifth European Conference on Elliptic and Parabolic Problems: A Special Tribute to the Work of Haim Brezis, Gaeta, May 30 - June 3, 2004
- Fourth European Congress of Mathematics, Stockholm, June 27 - July 2, 2004
- Université Catholique de Louvain (two talks in November 2004)
- Universidad Complutense de Madrid (March 2005)
- City University of Hong Kong (April 2005)
- Université de Franche Comté (November 2005)
- Université d'Orléans (February 2006)

- Institute of Mathematics “Simion Stoilow” of the Romanian Academy (March 2006)
- Université de La Rochelle (June 2006)
- Journée sur les équations aux dérivées partielles non linéaires, Université de La Rochelle (June 2006)
- 6th International Conference on Dynamical Systems and Differential Equations (American Institute of Mathematical Sciences), Poitiers, June 2006
- Conférence Francophone sur la Modélisation Mathématique en Biologie et en Médecine, Craiova, July 12-14, 2006
- Plenary lecture at the 8th French-Romanian Colloquium, Chambéry, August 2006
- International Conference on Applied Analysis and Differential Equations, Iasi, September 4-9, 2006
- Central European University, Budapest, September 2006
- Workshop on Potential Analysis, Institute of Mathematics “Simion Stoilow” of the Romanian Academy, Bucharest (October 2006)
- Politecnico di Milano and Universities of Perugia (3 talks), La Sapienza (Rome 1), Tor Vergata (Rome 2), Naples, Milano, Florence, Pise and Bologna (November 2006)
- Plenary lecture at the 15th Colloque de la Société Mathématique de Tunisie (Sousse, 19-22 March 2007)
- Plenary lecture at the International Conference on Nonlinear Operators, Differential Equations and Applications, Cluj, July 4-8, 2007
- Summer School “Critical Point Theory and Applications”, Cluj, July 9-13, 2007
- International Conference on Theory and Applications in Mathematics and Informatics, Alba Iulia, August 30 - September 2, 2007
- Bilateral Workshop Romania-Germany Approximation and Wavelets, Königswinter, Germany, October 1-4, 2007
- 9th Conference on Mathematical Analysis and Applications, Iasi, October 26-27, 2007
- Second Workshop Series on Applied Mathematics, Pitești, November 2-4, 2007
- Second Romanian-German Round Table for Research, Bucharest, November 8-9, 2007
- The Future of Mathematical Education in Europe, Lisbon, December 17-18, 2007
- Plenary lecture at the International Conference *Liouville Theorems and Detours*, INdAM Conference, Cortona, May 18-25, 2008
- University of Ljubljana (July and August 2008)
- Scuola Normale Superiore di Pisa (October 2008)
- University Ovidius of Constanta (November 2008)
- Plenary lecture at the *International Conference on Partial Differential Equations and Applications - in Honor of Professor Philippe G. Ciarlet's 70th Birthday*, City University, Hong Kong, December 5-8, 2008
- Université de Picardie Jules Verne (February 2009)
- University of Rzeszów (two talks in May 2009)
- Państwowa Wyższa Szkoła Zawodowa, Jarosław, Poland (May 2009)
- Romania-Germany Workshop Nonlinear Analysis and Mathematical Physics, University Lucian Blaga of Sibiu, May 14-16, 2009
- Premier Séminaire Roumain–Tunisien en Mathématiques (4th Workshop Series on Mathematics), IMAR Bucharest, November 2009
- University Ovidius of Constanta (May 2009)
- Université de Picardie Jules Verne (February 2010)

- International Workshop *Nonlinear Difference and Differential Equations and their Applications*, University of Rousse, Bulgaria (April 2010)
- International Workshop *Variational, Topological and Set-Valued Methods For Nonlinear Differential Problems*, University of Messina, Italy (April 2010)
- Workshop on Asymptotic Analysis and Stochastic Methods for Heterogeneous Media, Alba Iulia (June 9-13, 2010)
- International Conference *Variable Exponent Analysis*, Oulu, Finland, June 29–July 2, 2010 (two conferences on *Eigenvalue Problems Associated to Nonhomogeneous Differential Operators in Spaces with Variable Exponent*)
- XIVth Conference of the Romanian Mathematical Society, Alba Iulia (October 15-17, 2010)
- Institute of Mathematics “Simion Stoilow” of the Romanian Academy (October 2010)
- International Conference on Nonlinear Operators, Differential Equations and Applications (ICN-ODEA 2011), Cluj, July 5-8, 2011
- Partial Differential Equations in Mathematical Physics and their Numerical Approximation, Levico Terme, Trento, Italy, September 4-9, 2011
- University Ovidius of Constanta (October 2011)
- Oxford PDE Seminar, University of Oxford (November 2011)
- International Conference in Honor of Professor Patrizia Pucci’s 60th birthday, University of Perugia, May 28–June 1, 2012

Organizer of International Conferences:

- 7ème Colloque Franco–Roumain de Mathématiques Appliquées, Craiova (Romania), 30 août–3 septembre 2004
- 8th International Conference of Mathematical Analysis and Applications, Craiova, September 23–24, 2005
- Conférence Francophone sur la Modélisation Mathématique en Biologie et en Médecine, Craiova (Romania), 12–14 juillet 2006
- 6th Congress of Romanian Mathematicians, Bucharest, June 28–July 4, 2007
- Bilateral Workshop Romania–Germany Approximation and Wavelets, Königswinter, Germany, October 1–4, 2007
- Current and Prospective Trends in Mathematical Research, Institute of Mathematics Simion Stoilow of the Romanian Academy, Bucharest, September 17–18, 2008
- Romania-Germany Workshop Nonlinear Analysis and Mathematical Physics, University Lucian Blaga of Sibiu, May 14–16, 2009
- 7th Congress of Romanian Mathematicians, Brasov, June 29–July 5, 2011
- New Trends in Modern Analysis: Probabilistic and Analytic Methods in PDEs and Spectral Theory, Hammamet (Tunisia), October 24-28, 2011
- Lectures on Partial Differential Equations, International Conference in Honor of Professor Patrizia Pucci’s 60th birthday, University of Perugia, May 28–June 1, 2012

Citations: my papers have been cited 1050 times by 441 authors (until 1st of January 2012, according to *MathSciNet*). My Hirsch Index is 18.

I am reviewer for *Mathematical Reviews* (since 1993), *Zentralblatt für Mathematik* (since 1995) and *Applied Mechanics Review* (since 1999). I am also member of the American Mathematical Society (since 1995), the European Mathematical Society (since 2001), the Société de Mathématiques Appliquées et Industrielles (SMAI) de France (since 2002) and of ISAAC - the International Society for Analysis, its

Applications and Computation (since 1997). I am the organizer of the Nonlinear Analysis Seminar at the Institute of Mathematics “Simion Stoilow” of the Romanian Academy.

January 2012