

Gheorghe MOROȘANU

BORN: April 30, 1950, Darabani, Botoșani County, Romania

ADDRESS: *Babeș-Bolyai* University, Faculty of Mathematics and Computer Science, 1 Mihail Kogălniceanu Str., 400084 Cluj–Napoca, Romania

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EMPLOYMENT

- Since 2021: Research Professor, *Babeș-Bolyai* University, Cluj-Napoca, Romania
- Since 2015: Invited Professor, *Babeș-Bolyai* University, Cluj-Napoca, Romania
- 2002-2020: Full Professor, Central European University, Budapest, Hungary
- 2001-2002: Researcher, University of Stuttgart, Germany
- 1995-2004: Researcher (part-time position), *Octav Mayer* Institute of Mathematics, Romanian Academy, Iași Branch
- 1991-2004: Full Professor, *Alexandru Ioan Cuza* University, Iași, Romania
- 1990-1991: Associate Professor, *Alexandru Ioan Cuza* University, Iași, Romania
- 1980-1990: Assistant Professor and Lecturer, *Alexandru Ioan Cuza* University, Iași, Romania
- 1978-1980: Researcher, *Alexandru Ioan Cuza* University, Iași, Romania
- 1974-1978: Teacher of Mathematics, High School No. 5, Iași, Romania (including 6 months of mandatory military service in 1974-1975)

OTHER APPOINTMENTS

- 2004-2012: Chairman, Department of Mathematics and its Applications, Central European University, Budapest
- 2003-2004: Acting Chairman, Department of Mathematics and its Applications, Central European University, Budapest
- 1999-2001: Member of Committee No. 1 (for Mathematics and Natural Sciences) of the National Council for Scientific Research, Ministry of Education, Romania
- 1992-1996: Head of the Department of Differential Equations, Faculty of Mathematics, *Alexandru Ioan Cuza* University, Iași, Romania
- 1990-1991: Chancellor, Faculty of Mathematics, *Alexandru Ioan Cuza* University, Iași, Romania

TEACHING EXPERIENCE

I have delivered various courses at different universities, such as: Calculus, Linear Algebra, Linear Programming, Real Analysis, Functional Analysis, Ordinary Differential Equations, Partial Differential Equations, Integral Equations, Evolution Equations, Calculus of Variations, Control Theory, Semigroups of Linear Operators, and others.

Visiting Professorship Positions: University of Jyväskylä, Finland (1989); Ohio University, Athens, Ohio, U.S.A. (1998 and 2000)

Supervision

The following individuals have completed their PhD dissertations under my supervision or co-supervision: Muhammad AHSAN (2013), Panait ANGHEL (1999), Narcisa APREUTESEI (1999), Luminita BARBU (1998), Oganeditse A. BOIKANYO (2011), Cristian COCLICI (1998), Nicușor COSTEA (2015), Paul GEORGESCU (2008), Tihomir GYULOV (2010), Alexandru KRISTÁLY (2010), Gabriela Lorelai LITCANU (2001), Rodica LUCA (1995), Mihai MIHĂILESCU (2010), Viorica Venera MOTREANU (2003), and Andras SERENY (2008).

Moreover, I have been an advisor of many other students and young researchers.

SCIENTIFIC ACTIVITY

Main fields of interest: Ordinary and Partial Differential Equations, Nonlinear Analysis, Calculus of Variations, Fluid Mechanics, Asymptotic Analysis, Various topics in Applied Mathematics

PhD Defense: January 16, 1981, thesis title: *Qualitative Problems for Nonlinear Differential Equations of Accretive Type in Banach Spaces*

PhD Supervisors: Viorel Barbu and Adolf Haimovici

Publications: I have authored or co-authored 16 books (published by Birkhäuser, Chapman & Hall/CRC, Kluwer, Springer, Editura Academiei Române, etc.) and a great number of research articles.

INTERNATIONAL RECOGNITION AND DIFFUSION

I am frequently invited to give talks and lecture series on my own results. I also organize or co-organize from time to time scientific events such as:

- 2023 (May 26-28): The fifth meeting of the “Romanian Itinerant Seminar on Mathematical Analysis and its Applications”, University of Craiova, Romania: <http://rismaa.ucv.ro>
- 2018 (April 20-21): The first meeting of the “Romanian Itinerant Seminar on Mathematical Analysis and its Applications”, *Babes-Bolyai* University, Cluj-Napoca, Romania: <http://www.cs.ubbcluj.ro/1st-rismaa/>
- 2017 (April 4): Workshop on Applied Mathematics, Faculty of Mathematics, *Alexandru Ioan Cuza* University, Iași, Romania
- 2011 (September 19-25): Symposium on *Linear and Nonlinear Operators and Applications*, in the framework of the International Conference of Numerical Analysis and Applied Mathematics (ICNAAM), Halkidiki, Greece.
- 2011 (May 21): Workshop on Applied Mathematics, Central European University (CEU), Budapest, dedicated to the 20th anniversary of CEU
- 2010 (October 29): Workshop on Applied Analysis, CEU, Budapest
- 2008: Workshop on Calculus of Variations and Optimization, CEU, Budapest
- 2007: Student Workshop on Some Topics in Applied Mathematics, CEU, Budapest
- 2007: Workshop on Applied Evolution Equations, CEU, Budapest
- 2006: New Trends in Applied Mathematics, CEU, Budapest
- 2006: Recent Advances in Calculus of Variations, CEU, Budapest
- 1990: International Conference on Differential Equations and Control Theory, *Alexandru Ioan Cuza* University, Iași, Romania

I have visited many institutions for research purposes, such as:

International Centre for Theoretical Physics (ICTP), Trieste, Italy (1984, 1985), University of Jyväskylä, Finland (1995, 1996, 1997, 1998, and 1999), University of Stuttgart, Germany (1997 (DAAD Fellowship), 1999, 2000, 2001, and 2002), Ohio University, Athens, Ohio (1988 and 2000), Technical University, Munich, Germany (2002), University of Rousse, Bulgaria (2010, 2012), *Babeș-Bolyai* University, Cluj-Napoca, Romania (2013, 2014, 2015), University of Iowa, Iowa City, IA (2016, 2021,

2022), *Ovidius University*, Constanta, Romania (2016, 2019), Craiova University, Romania (2017), *Simion Stoilow Institute of Mathematics of the Romanian Academy* (2017), and many others.

I have cooperated with many (over 45) researchers on various topics within my areas of interest or neighboring areas and disciplines, including biology, chemistry, economics, engineering, mechanics, physics.

I have been director or investigator for several grants, as follows:

- 2007: Director of the grant *Applied Evolution Equations*, CEU, Budapest
- 2001-2002 (15 months): Investigator, DFGWe659 - *Conservation Laws and Electromagnetic Fields*, University of Stuttgart, Germany
- 1991-2000: During this time interval I have been director of several grants offered by the Ministry of Education, Romania, or by the Romanian Academy. In addition, I have been a member of the research teams for further Romanian grants.

AWARDS AND HONORS

- 2021: **Nicolae Teodorescu Prize** of the Academy of Romanian Scientists (for the book *Functional Analysis for the Applied Sciences*, Universitext, Springer, 2019)
- 2019: **Professor Honoris Causa** of the *Babeş-Bolyai University*, Cluj-Napoca, Romania
- 2017: **Doctor Honoris Causa** of Craiova University, Romania
- 2016: **Doctor Honoris Causa** of the *Ovidius University*, Constanta, Romania
- 2008: **Egyetemi Tanár (University Professor)**, appointed by the President of Hungary
- 2007: **Honorary Citizenship** of Darabani (my hometown)
- 1985: **Distinguished Assistant Professor**, Ministry of Education, Romania
- 1983: **Gheorghe Lazăr Prize** of the Romanian Academy (for outstanding contributions to the theory of hyperbolic partial differential systems)

Updated February 21, 2023