

Gheorghe Moroşanu – On the occasion of his 70th birthday

Adrian Petruşel

Gheorghe Moroşanu was born on April 30, 1950, in Darabani, Botoşani County, Romania. After a 12-year period of education, from primary to high school (1957-1969), in 1969, Gheorghe Moroşanu started studying Mathematics at "Alexandru Ioan Cuza" University in Iaşi, Romania. In 1981, under the joint supervision of Adolf Haimovici and Viorel Barbu, he obtained his Ph.D. in Mathematics with a dissertation entitled *Qualitative Problems for Nonlinear Differential Equations of Accretive Type in Banach Spaces*.

Regarding his teaching or research positions, we note that Gheorghe Moroşanu was, between 1991 and 2004, Full Professor of Mathematics at "Alexandru Ioan Cuza" University in Iaşi, after previously holding positions (since 1975) at the same university. Between 2001 and 2002, Professor Moroşanu held a research position at the University of Stuttgart, Germany. In 2002, Professor Moroşanu joined the Department of Mathematics and its Applications, Central European University, Budapest, Hungary. He served this institution from 2002 to 2020, acting as Head of Department between 2004 and 2012. Since 2015, Gheorghe Moroşanu has been Invited Professor of the Babeş-Bolyai University in Cluj-Napoca. He was also a visiting professor at the University of Jyväskylä, Finland (1989) and at Ohio University, Athens, Ohio, U.S.A. (1998 and 2000).

Professor Moroşanu was a prolific Ph.D. supervisor; the following individuals (in alphabetical order) have completed their Ph.D. theses under his supervision or co-supervision: Muhammad Ahsan (2013), Panait Anghel (1999), Narcisa Apreutesei (1999), Luminiţa Barbu (1998), Oganeditse A. Boikanyo (2011), Christian Coclici (1998), Nicuşor Costea (2015), Paul Georgescu (2008), Tihomir Gyulov (2010), Alexandru Kristály (2010), Gabriela Lorelai Liţcanu (2001), Rodica Luca (1995), Mihai Mihăilescu (2010), Viorica Venera Motreanu (2003), and Andras Sereny (2008).

Concerning his rich teaching and research activities, the main fields of interest of Professor Gheorghe Moroşanu were: Ordinary and Partial Differential Equations, Difference Equations, Calculus of Variations, Evolution Equations in Banach Spaces,

Fluid Mechanics, Singular Perturbation Theory, and various topics in Applied Mathematics. Gheorghe Moroșanu is the author or co-author of 16 books (monographs and textbooks) as well as of more than 150 research papers in top-ranked journals or proceedings. Gheorghe Moroșanu was director or (main) investigator for several research grants in Romania and abroad.

His research achievements have had a great impact on the mathematical community; his publications have collected until now over 1500 citations, while the current Google Scholar H-index of Gheorghe Moroșanu is 19. In 1983, he was awarded the Gheorghe Lazar Prize of the Romanian Academy in recognition of his outstanding contributions to the theory of hyperbolic partial differential equations. Along the same lines, Professor Gheorghe Moroșanu is Doctor Honoris Causa of Ovidius University in Constanța and of Craiova University as well as Professor Honoris Causa of Babeș-Bolyai University, Cluj-Napoca, Romania. In 2020, he became a corresponding member of the Academy of Romanian Scientists, Romania. During all these years, Professor Moroșanu visited many institutions for research purposes, such as: International Centre for Theoretical Physics Trieste, University of Jyväskylä, University of Stuttgart, Ohio University, Athens, Ohio, Technical University München, University of Rouse, Babeș-Bolyai University Cluj-Napoca, University of Iowa, Ovidius University in Constanța, Craiova University, Simion Stoilow Institute of Mathematics of the Romanian Academy, and many others. He cooperated with many researchers on various topics within his areas of interest or neighboring areas and disciplines, including biology, chemistry, economics, engineering, mechanics and physics.

The authors included in this issue are happy and honored to dedicate their papers to Professor Gheorghe Moroșanu, for his long and outstanding career and for the remarkable achievements in the field of mathematics.

The editors of the journal would like to thank all authors who contributed to this special issue and the reviewers who kindly accepted the invitation to provide their expertise and gave constructive comments.

Adrian Petrușel

Babeș-Bolyai University, Faculty of Mathematics and Computer Science

Kogălniceanu Str. no. 1, 400084 Cluj-Napoca, Romania

e-mail: petrusel@math.ubbcluj.ro