

Vasile Iftode, in memoriam

December 13, 1954- January 8, 2015



Professor Vasile Iftode was born at Dragomiresti, Neamt County in 1954. He graduated Faculty of Mathematics at University “Alexandru Ioan Cuza” Iassy as head of promotion. During 1978-1979 he was a master student. His dissertation thesis : “*Periodical Solutions for Nonlinear Equations in Hilbert Spaces*” In 1987 obtained the PhD in Mathematics at the University of Bucharest. Title of PhD Thesis: “*Asymptotic properties of solutions of nonlinear evolution equations*”. Step by step he was employed as researcher at The Research Institute for Electrotechnics of Bucharest and since 1988 he begun the Academic activity at the

University POLITEHNICA of Bucharest.

Academic and Teaching Experience

1988-1990: Assistant. Subjects: *Calculus, Special Mathematics, Algebra, Analytical and Differential Geometry*; Chair of Mathematics I, University Politehnica of Bucharest, Teaching / Learning

1990-1994: Lecturer. Subjects: *Mathematical Analysis, Differential and Integral Calculus, Numerical Analysis*; Chair of Mathematics I, University Politehnica of Bucharest; Teaching / Learning

1994-2000: Associate Professor. *Differential Calculus, Integral Calculus*; Chair of Mathematics I, University Politehnica of Bucharest; Teaching / Learning

2000-2015: Professor in Mathematics. *Mathematical Analysis, Differential Calculus, Optimization Problems and Approximation Algorithms (Master)*.

Managerial positions

Deputy Dean of the Faculty of Transports, 1996 – 2004

Deputy Dean of the Faculty of Applied Sciences, 2008 – 2010

Interim Dean of the Faculty of Applied Sciences, 2010 – 2013

Dean of the Faculty of Applied Sciences, 2013- 2015

In 1996, it was invited to the University of Patras (Greece) for a period of three months where he conducted a double activity (teaching and research) in the field of optimal control systems with distributed parameter.

Editor Series A: Applied Mathematics and Physics, Science Bulletin UPB;

Founding member of the Balkan Society Geometers; Reviewer: Zentralblatt für Mathematik, Acta Mathematicae Applicandae, Kluwer Academic Publishers;

Member of the American Society of Mathematics in 1994; Responsible 7(seven) research contracts with MEN and M.C.T.

Co-director of the program CEEX - 2006/2008

Research fields

- distributed optimal control problems;
- convex programming;
- viscous solutions and variational equation of dynamic programming;
- numerical methods in optimization problems.

Published Books

1. *Proprietăți asimptotice ale soluțiilor unor ecuații neliniare de evoluție*, (Asymptotic properties of solutions of some nonlinear evolution equations) Editura Academiei Române (colecția Studii și Cercetări Matematice 40), București, 1988. (in Romanian)
2. *Metode numerice de calcul*, (Numerical methods) Editura Tehnică, București, 1996. (in Romanian)
3. *Culegere de probleme de analiză matematică*, (Collected problems on mathematical analysis), Editura Bren, București, 1998. (in Romanian)
4. *Analiză matematică-I*, (Mathematical analysis I) Editura Bren, București, 1999. (in Romanian)
5. *Analiză matematică-II*, (Mathematical analysis II), Editura Bren, București, 2003. (in Romanian)
6. *Metode numerice în algebra liniară și neliniară*, Numerical methods in linear and nonlinear algebra), Editura Printech, 2008. (in Romanian)
7. *Metode numerice pentru ecuații diferențiale și cu derivate parțiale – Algoritmi, programe în limbajul C/C++*, Numerical methods for differential equations and partial differential equations- with programs in C++, Ed. Printech, 2010. (in Romanian)

Selected Papers

1. V. Iftode, *A dissipativity for periodic solutions in ordinary differential equations*, Rev. Roum. Math. Pures Appl. 28 (1983) 513-521.
2. V. Iftode, *Hamilton-Jacobi equations and boundary convex control problems*, Rev. Roum. Math. Pures Appl. 34, 2 (1989) 117-127.
3. V. Iftode, *Periodic solutions for a Riccati equation in Hilbert spaces*, Sci. Bull., Ser. A, Appl. Math. Phys., Politeh. Univ. Buchar. 56, 1-2 (1994) 37-41.
4. V. Iftode, *Approximation of dual Hamilton-Jacobi equations*. Riv. Mat. Pura Appl. 15 (1994) 57-75.
5. V. Iftode, *Control of the flux substrate in an enzymatic membrane*, Sci. Bull., Ser. A, Appl. Math. Phys., Politeh. Univ. Buchar. 59, 1-4 (1997) 5-10.
6. V. Iftode, *Variational solutions of stationary Hamilton-Jacobi equations*, Ital. J. Pure Appl. Math. 5 (1999) 117-123.
7. V. Iftode, *Variational solutions of stationary Hamilton-Jacobi equations*, Balkan J. Geom. Appl. 6, 2 (2001) 33-38.
8. V. Iftode, *Control of the flux substrate entering an enzymatic membrane*, Balkan J. Geom. Appl. 7, 1 (2002) 63-67.

He beloved colleagues and students, with whom he struck up a lasting friendship, a bidirectional connection of greater depth and tenderness.

Recorded by
Prof. Emeritus Constantin Udriste