

Professor Constantin Udriște

 *in memoriam* 

January 22, 1940 - May 7, 2023

On May 7, 2023, Professor Emeritus Constantin Udriște passed away. All the way to the end of his life, he continued to be extremely proficient and energetic.

- Professor Constantin Udriște was born in Turceni, Romania's Gorj county, on January 22, 1940. In 1963, he received his degree from Timișoara University in Romania. His PhD thesis from the University of Cluj-Napoca in Romania, titled "Almost coquaternion structures," was then successfully defended by him in 1971. At the University Politehnica of Bucharest in Romania, he attained all didactic ranks and acquired the title of full professor in 1990.
- Professor Constantin Udriște has won numerous prestigious awards throughout the years, including the Stefan Hepites Award from the Romanian Ministry of Education and Instruction in 2010 and the Dragomir Hurmuzescu Award from the Romanian Academy in 1985. He also got the COPIRO Prize for Exact Sciences and the Premio Anassilaos International 2002 - Arte Cultura Scienze. He joined the Research Board of Advisors of the ABI in 1999. Since 2007, he has been a member of the Romanian Academy of Sciences. He received the title of Correspondent Member of the Academia Peloritana dei Pericolanti in 1997.
- He founded the Balkan Society of Geometers, serving as its final president (since 2005) and as editor in chief of its four journals. He has been a member of the American Mathematical Society, of the Tensor Society, and of the Society of Mathematical Sciences in Romania.
- Professor Constantin Udriște conducted reliable research in a number of areas, including: Differential Geometry, Optimizations on Riemannian Manifolds,



Magnetic Dynamical Systems, and Geometric Dynamics. His more than 300 scientific works were printed in esteemed journals and referenced all around the world, making a significant contribution to mathematics. He authored 57 publications (including a monograph in Springer-Verlag and two monographs in Kluwer Academic Publishers), mostly in the areas of Differential Geometry, Optimization on Riemannian Manifolds, Magnetic Dynamical Systems, Geometrical Dynamics and Multi-time Optimal Control. He delivered nearly 400 talks at international conferences and meetings around the world, being invited as a visiting professor by universities from almost all the countries of Europe and worldwide.

- He established the Faculty of Applied Sciences, served as its first dean, and was regularly elected to lead the *Department of Mathematics* at the University Politehnica of Bucharest. He supervised numerous doctoral and master students, some of whom work now as professors in universities from Romania and abroad.
- Numerous mathematics courses were taught by Professor Constantin Udriște, including: Analytical and Differential Geometry, Algebra, Geometry and Differential Equations, Mathematical Analysis, Special Mathematics, Operational Research, Numerical Methods, Differential Geometry and Analysis on Manifolds, Geometric Dynamics, Convex Functions and Optimization Methods on Riemannian Manifolds.
- He served as an editor, editorial board member, referee, and reviewer for several reputable scientific journals. He established significant research contracts and was nominated in many biographical publications.

The Departments of Mathematics and Physics at the University Politehnica of Bucharest lost a beloved outstanding scientist and colleague. All of his students lost a wonderful instructor. A loyal and loving husband, father, and grandfather was lost to his wife, sons, and grandchildren.

Professor Costantin Udriște served as a superb inspiration for all of us.

May God bless him with eternal rest!

Bejan Cornelia-Livia, Vladimir Balan and Gabriel-Teodor Pripoae