

Celebration of the 75-th anniversary of Prof. Emeritus Dr. Constantin Udriște



Moderators of the event: Acad. Dorel Zugrăvescu and Prof. Dr. Massimiliano Ferrara

Prof. Emeritus Dr. Constantin Udriște's celebration of 75 years was held in October 8, 2015 in The IX-th International Conference on Differential Geometry and Dynamical Systems 8-11 October 2015 University Politehnica of Bucharest – Romania. For this celebration his friends, Professors Mahim Adhikari, Mihai Anastasiei, Akira Asada, Henri Bonnel, Andreea Bejenaru, Gabriel Bercu, Octav Olteanu, Gheorghe Munteanu, Ovidiu Călin, Viorel Catană, Vincenzo Ciancio, Franco Giannessi, Massimiliano Ferrara, Florin Munteanu, Ariana Pitea, Valeriu Prepelită, Gabriel Pripoae, Grozio Stanilov, Ionel Țevy, Magdalena Toda, Dorel Zugrăvescu have sent laudations. Two of the laudations are reproduced here, but all will be published in the book "*Udriște name and Turceni city throughout history*", at which Prof. Dr. Constantin Udriște is currently working.

Constantin Udriște at the 75th Anniversary

by Prof. Dr. Grozio Stanilov

Prof. Emeritus Dr. Constantin Udriște was born in Turceni, Gorj on January 22, 1940. He was awarded a Ph.D. from Cluj-Napoca University in 1971 for his Thesis "Almost coquaternion structures". Almost all his life he worked in University Politehnica of Bucharest, passing through all the steps, from Assistant to Full Professor and Dean of a Faculty. He was *promoter and founder* of Ph.D. studies in Exact Sciences - Mathematics and Physics; *promoter and founder* of Faculty of Applied Sciences, at University Politehnica of Bucharest. In this sense, his great mathematical power, kindness and generosity had changed the lives of many.

A total of 25 doctors in mathematics received ideas from Professor Constantin Udriște.

The mathematical work of Constantin Udriște include: (i) over 50 books, (ii) over 350 papers to mathematical journals and over 350 talks to mathematical meetings, (iii) 40 research contracts. Although Constantin excelled at abstract thinking in differential geometry, optimization and dynamical systems, he always applied mathematics to real life. We emphasize the outstanding contributions which Constantin had made to many fields, and his ability to enter a field new to him, master it, make significant results and move on. Prof. Emeritus Dr. Constantin Udriște is Correspondent Member of the *Academia Peloritana dei Pericolanti*, 1997- and Titular Member of *Academy of Romanian Scientists*, Nov. 2007-.

I met Constantin, for the first time, in 1986 at my second International Conference on Geometry and Applications in Smolyan (Bulgaria). Then again, on a Russian ship from Nakhodka (Russia) to Yokohama. Then we spend together two weeks in Japan - in Tsukuba, Nara, Tokio and at the International Congress of Mathematicians in Kyoto, Japan (1990). His modest charm and the elegance of his conversation immediately struck me.

Later he was participant of my Conferences of the same chain as a honoured guest some times and at the last Conference in this year he has brought some of his students and doctors. He actively took part, at any time in the scientific discussions, and marked high competent statements. He is a very good specialist and person. Praise Romania that it has such a geometer.

Prof. Dr. Grozio Stanilov

August 08, 2015.

**Homagial Letter in honour of Professor Emeritus Dr.Constantin Udrişte
on occasion of 75th Anniversary**

by Prof. Dr.Massimiliano Ferrara

Constantin Udrişte is a great Man, a great Mathematician. During his career a lot of generations of students and scholars have been formed and introduced into the fantastic universe of Mathematics. Different fields of the pure and applied mathematics have benefited from the scientific contributions of this authentic Master, an elegant, creative and refined Scientist: Geometry, Differential Geometry, Mathematical Analysis, Topology, Optimization Theory, Engineering Science, Mathematical Economics and so on. New branches and new fields of study have been opened and explored thanks to his creativity and mathematical intuition. I was one of those scholars who had the chance to grow and learn next to him.

My career and my endowment of the best and fruitful academic experiences are tightly connected to him. I went to Bucharest for the first time in 2002 as a visiting scholar; since then, my next ten visits were as a visiting professor. These experiences have been fundamental for my life not only from scientific and academic point of view, but also as a man, thanks to the guidance of Professor Udrişte, my real Master. I met him in 1998, when I was a Ph.D. student at University of Messina (Italy) under the guidance of Prof. Maria Teresa Calapso. The scientific cooperation between University of Messina and University Politehnica of Bucharest in the specific field of Differential Geometry was, at that time, deep and consolidated thanks to Vrănceanu's School and his friendship with Calapso's Family (Prof. Renato Calapso firstly, and Prof. Maria Teresa Calapso successively). This prestigious tradition was continued and revitalized throughout the years by Udrişte's School, in which I was welcome as a scholar. It was an honour, and by that moment my life and my career as academician changed, and I changed also as a person.

In 2002, as mentioned above, my collaboration with Professor Udrişte started, and in the same year I took part as a speaker to "The 2nd International Colloquium of Mathematics and Numerical Physics" held at University Politehnica of Bucharest. On this occasion, I presented my first joint work with Constantin Udrişte, titled: "*Area conditions associated to thermodynamic and economic systems*". This study was a milestone for opening a new research field named as "*Economic Geometric Dynamics*". Starting from the seminal idea introduced in literature by C. Udrişte in 2000, the "*Geometric Dynamics*" contained in the Kluwer Academic Publishers monographs was a special topic form joint intensive collaboration. Under his illuminated guidance, during the next two years, a lot of research projects were initiated and finalized. In 2004 a fundamental step of my career was the editing of the textbook titled "*Economic Geometric Dynamics*", authored by C. Udrişte, M. Ferrara and D. Opreş.

Unforgettable moments mixed with other important phases of my life: in 2003 I obtained the position of Associate Professor of Mathematical Economics, after four years of affiliation to the University Mediterranea of Reggio Calabria, and in 2013 the position of Full Professor. During these years the human and scientific relationship with Udrişte's School became stronger and more productive. There have been almost 20 years of impressive collaboration, human and scientific growth, high moral example and a pedagogy of research as a tool for disseminating knowledge purposes. Love, passion for his work and sacrifice: these are the most important teachings given by my Master Constantin Udrişte.

I had the opportunity to know Udrişte's wonderful family: Madame Aneta, great Mother and beloved wife but also great mathematician, their Children and the respective families. It was a big privilege that enabled me to see the greatness of this Man before the talent of this Scientist.

Many thanks, dear professor and friend, for all the teachings, useful advice, real example of correctness and of pleasant atmosphere.

Thank you from the bottom of my heart, my dear Master,

Yours,

Massimiliano Ferrara.