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**HUGO ROSMAN**  
**1926–2015**

Professor Hugo Rosman, one of the most appreciated professors in the Technical University of Iași, passed away on the 13<sup>th</sup> of January 2015 at the age of 88.

Prof. Rosman was born on the 11<sup>th</sup> of September 1926 in Iași, in a family of civil servants. He attended the secondary school at the National Liceé in Iași. Between 1945 and 1949 he attended the courses of the Faculty of Electromechanics at the Polytechnic Institute of Iași, now known as the Technical University of Iași.

After graduation he was employed as a preparator in 1950. His academic career continued as a lecturer (1952), assistant professor (1970) and then as a full professor from 1974 until his retirement in 1996. His teaching positions were in the Department of Electrotechnics, electrical measurements and machines, later in the department Fundamentals of electrical engineering.

From 1952 until his retirement prof. Rosman taught the course Fundamentals of Electrotechnics, working firstly with students in Electrical engineering and then with students in Electronic engineering. He modernized the course bringing it to the highest standards in the field, and aligning thus the electrotechnics school in Iași with the schools in other major technical universities in Romania.

In 1968 prof. Rosman defended his doctoral thesis having the title “Resonance at the gates of a passive and reciprocal two – port circuit in sinusoidal steady state”.

During his academic career prof. Rosman undertook impressive research activities which lead to the publication of several textbooks and monographs as well as over 160 scientific articles. Probably the most important is the monograph “Nonlinear and parametric electrical circuits” published in 1973 together with professor Gh. Savin, a groundbreaking work in this field at the time, and still remaining the only published book on this topic in Romania.

Other textbooks signed by prof. H. Rosman include “Linear electric circuits” published in three volumes (1975 – 1977) and “Basic electromagnetic field theory” which also appeared in three volumes (Electrostatics, Electric currents in conductive media, Electromagnetics) between 1996 and 1999.

The main research topics covered by the articles published by prof. Rosman are:

- two port circuits in sinusoidal steady state, including generalized two ports, a concept introduced by prof. Hugo Rosman;
- integral representations of the reactive power in non-sinusoidal steady states;
- a generalization of Tellegen’s theorem for condenser and coil networks;
- a generalization of Manley-Rowe relations in nonlinear circuits;
- studies concerning the reciprocity relations in electromagnetic fields for fixed and mobile domains;
- researches concerning Hertz vector in lossy dielectrics and conductive media.

His theoretical contributions in Electric circuit theory and Electromagnetic field theory are most significant and recognized at national and international level.

In 1990 prof. Hugo Rosman became a PhD supervisor in the domain Electrical engineering, a number of 13 engineers finishing their PhD thesis under his guidance.

Professor Rosman had a defining role in forming the group of younger assistants, being always considered as a mentor in the Faculty of Electrotechnics. His passion for scientific research and remarkable pedagogic talent put a mark on the members of the Fundamentals of Electrotechnics chair in the faculty.

The name of professor Rosman is closely connected to the existence of the Scientific Bulletin of the Technical University of Iași. He was a member of the editorial board since 1953, then became coordinating editor of the Electrotechnics, Energetics and Electronics Section and, after his retirement, he was a honorific editor of the Bulletin. Prof. Rosman made sustained efforts in order to increase the scientific level of the Bulletin, efforts which later paid off by ranking the Bulletin as a B+ class journal (in the Romanian journal ranking system).

As a general recognition of his scientific merits, in 2005 prof. Rosman was included in the scientific editorial board of the journal *Revue Roumaine des Sciences Techniques, Serie Electrotechnique et Energetique*, published by the Romanian Academy.

Prof. Rosman had strong scientific connections with universities from other countries and was often invited to deliver courses in Electrotechnics at summer schools organized in Switzerland and Germany.

In 2006 prof. H. Rosman was awarded the “Gheorghe Asachi” medal by the Technical University of Iași, for exceptional merits in higher technical education.

His teaching and research activities, his constants efforts to increase the level and visibility of the Romanian School of Electrotechnics, his pedagogical talent and his

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personal human qualities made professor Hugo Rosman one of the highest prestige professors of the Technical University of Iași, appreciated and loved both by students and younger colleagues.

The academic staff in the Faculty of Electrical Engineering expresses the regrets for the loss of professor Hugo Rosman, a first rank personality in the Technical University of Iași, whose illuminating character will remain in the memory of his collaborators and of all those who knew him.

*Camelia Petrescu*

