



MIRCEA BLAHA

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The contribution of Romanian scientists to the development of electromagnetic field macroscopic theory is well-known in our country and beyond. In this article we refer to the contribution of professor Remus Răduleț who published an Electrical Engineering university textbook whose graphical form was greatly improved, decades since its first publication, by engineer Mircea Blaha, whose memory we evoke. Professor Răduleț was elected in 1964 as president of International Electrotechnical Commission, as a result of some important contributions in systemizing the electromagnetic field theory, among which we recall: classification of relationships and quantities in laws and theorems, on the one hand, and primitive and derived quantities, on the other hand.

This version of the theory was included in the textbook especially written for the students of the “Politehnica” University of Bucharest. This textbook was published between 1955 and 1956 in four volumes, in poor graphical conditions: written using the existing typewriting machine, with multiple typing errors, only a few copies, which made this work become difficult to be procured. Ever since, the textbook has not been edited, even if it has been requested both by higher education institutions and by the electrical engineering design and research institutions.

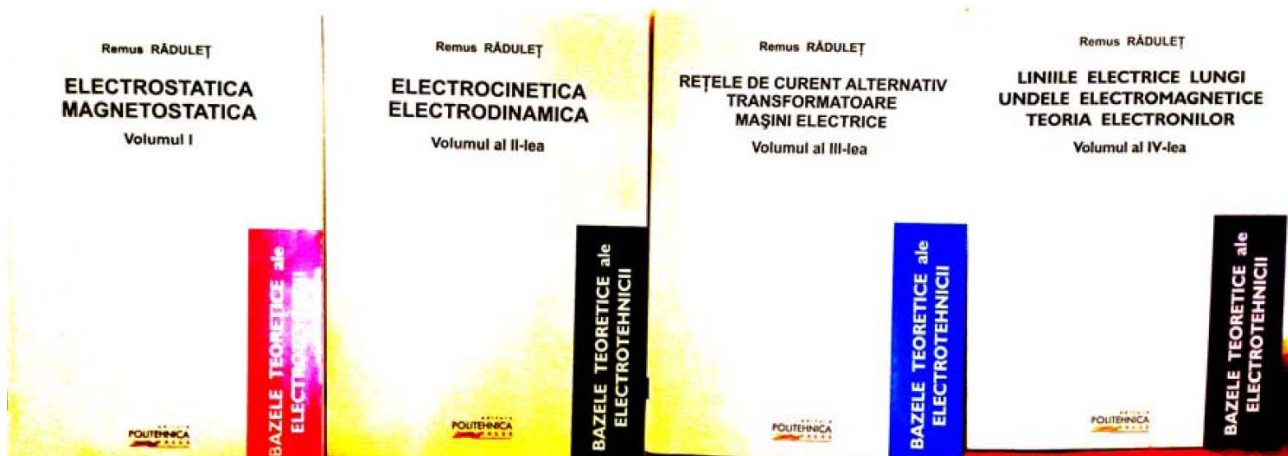
Mircea Blaha noticed that this textbook could disappear as a source of information and training for electrical engineers decided to avoid such a major loss and decided to take action by himself. For scientific and moral reasons, he undertook a huge amount of work by checking and editing the entire material: he rewrote the text, the formulas, he restored hundreds of drawings and he corrected the typing errors from the manuscript.



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This effort is praiseworthy if one takes into account that during the time period between his student years and his retirement, he had a technical activity not connected to the electromagnetic field theory. We do not detail, but it is enough to note that his efforts – with modesty and skill – were enormous. The latest edition, the one from 2011, was presented to the public during a commemoration of professor Remus Răduleț, when a few copies were donated to the personalities present at that event. Mircea Blaha attended the commemoration as well.

Mircea Blaha was born in Bucharest, on the 3rd of October 1937. His father, Ion Blaha, was a military engineer and his mother Maria, a stay at home mom taking care of her family and of her son’s education. Mircea attended a German primary school, the Catholic High School and the Electrical Engineering Faculty of “Politehnica” University, of Bucharest from which he obtained “Diploma de Inginer” (Engineer Degree) in 1959. As a student he attended a five-



Remus Răduleț: Electrical Engineering Treaty, Bucharest, 2011.

semester course of professor Remus Răduleț, being highly impressed by the professor's personality and his lectures. In 1967 he married Gabriela Ghiță who graduated the Faculty of Power Engineering from Bucharest; they have one daughter and two granddaughters. He became a specialist in atomic physics and he followed a training course on nuclear safety in USA. He worked at Hydropower Studies Institute and at Atomic Physics Institute from Măgurele. He collaborated also to the technical monitoring projects of Otopeni Airport and of other airports and industrial objectives. In industry domain, he worked as a team leader for the hydroelectric plants: Valea Oltului, Lotru, Porțile de Fier 1 and 2 (Iron Gates 1&2 Hydroelectric Power Stations on Danube River), then at Nuclear Power Plant from Cernavodă. Lately, he was director of a private company in charge with design and execution of protecting important objectives in the country and abroad.

Between 2000 and 2002, he took a special course on nuclear power plants physical protection held in Albuquerque – New Mexico USA and in 2007 he obtained the American green card. In 2012, together with his family, he became a citizen of United States.

Sensitive, Mircea Blaha did not forget his home and his assumed moral obligations as a student of “Politehnica” University of Bucharest and of professor Remus Răduleț, whom he admired.

He could not accept that the textbook not to be put in value. He re-issued the textbook, not long before his passing, on November 2, 2015, leaving behind the memory of a noble personality. The electrical engineering school, being aware of his efforts in achieving high level technical standards for the volumes for which he worked so hard and with passion, pays him a great respect and shows gratitude.

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