

1977- I graduated **Sf.Sava College from Bucharest, special class on mathematics**, with the final mark **9.83** at the **baccalaureate**.

1977 – 1982 For 5 years I studied the courses of the Electrotechnique Faculty from the Politechnique from Bucharest. In 1982 I graduated as an **Engineer, MS**, with **mark 10**. The Graduation Project was "Numerical control for driving a synchronous motor". During my studies at the Faculty of Electrical Engineering, I participated in student scientific communication session, where I won a prize II.

1982 – 1983 – **IAEI Titu** (Industrial Electric Apparata Enterprise) – I worked as a fresh engineer. As I got double placements at graduation, first I worked in an Enterprise for electrical installations - Titu, through rotation by all company departments. When detached to ICPE in 1983, I was working on ultrafast fuses and Design department. To determine me to remain at IAEI-Titu, the director proposed me to become head of the department of ultrafast fuses, which I refused.

1983-1987 – **ICPE Bucharest** (National Institute for Research and Design for Electrotechnique) I worked as a detached engineer, then as an engineer and later as a system engineer, from 1986, at the Computer Centre of the Institute, in the Microprocessor group (see list of projects for a complete listing of activities and accomplishments).

During this period I worked on:

- • Computer-putting the pieces of the warehouse (FORTRAN) (collaboration)
- • computer-design motors program(FORTRAN) (collaboration)
- •-systematization for different types of laminations for electric rotary machines and transformers using the computer (FORTRAN) (collaboration)
- • Designing and execution-diagnostic for the thyristorized-subway (ASM 8080) (collaboration)
- • investigation and diagnosis program-control on the equipment for thyristorized rail (collaboration)
- • design and execution of a driving system for a DC micromotor MAA13/6000 (in charge of the theme)
- •-turntable software package for measuring cylindrical parts deviations from circularity, perpendicularity, flatness, parallelism, concentricity (FORTRAN + ASM 8080) (collaboration)

The main activity was the development of a computer-based system to verify subway frames operation manufactured in Arad.

Results:

- *-Testing system led by computer for the thyristorised metro (underway),*
- *-Soft for investigation and diagnosis for electrical driving equipments,*
- *-Software for diagnosis on control equipments for electric drivings*

Had been presented at:

- *Cluj 1986 The X-th Symposium for Informatics and Driving*
- *-Eforie Nord The First International Conference on Electrical Machines and Drive Systems INCEMADS 1986*

I participated in training courses paid by the institute: 1984 - Courses for programmers.

Since 1985, for 6 years, I attended evening classes of the **Faculty of Physics, Technological Physics**, University of Bucharest, which I graduated in 1994 (I was already committed to IFIN-HH, section I, when I completed my second degree) with the title of **Engineer Physicist, final promotion mark 9.43 and license mark of 9.83, being valedictorian.**