

# CURRICULUM VITAE

## 1. Biographic Data

First and last name: **EMIL PETRE**  
Date and place of birth: 04 December 1952, Nenciulești, Jud. Vâlcea, Romania  
Civil status: married  
Childrens: one girl

## 2. Undergraduate Studies

Industrial College for plant development, Craiova, 1967-1972. Baccalaureate: June 1972 session, grade 9.80.

## 3. University Studies

Institution: University of Craiova, Faculty of Electrotechnics, Specialization Automations and Computers, 1972-1977  
Grade of the year studies: 9.73  
Graduate exam: University of Craiova, June 1977 session, mark 10  
Graduate general grade: 9.86.

## 4. Specialization:

Engineer (in electric domain), specialization: automation and computers

## 5. Doctorate

Institution: University of Craiova  
Year of public presentation: 1997  
Scientific coordinator: Prof. PhD eng. Vladimir Răsvan  
Title of the thesis: *Control procedures for dynamical biotechnological processes*  
Domain: Automation

## 5. Research stages:

### • in Romania:

- Polytechnic Institute "Traian Vuia" of Timisoara, Faculty of Electrotechnics, specialization Automations and Computers (02.06.1986 - 10.06.1986).

### • Abroad:

- University "Jean Monet", Saint Etienne, France, (04.05 - 04.06.1992, TEMPUS Programme).
  - University Libber of Brussels – U.L.B., Belgium (01.03 - 15.03.1993, TEMPUS Programme).
  - University E.C.A.M., Bruxelles, Belgique (10.02 - 07.03.1994, TEMPUS Programme).
  - Technique University of Dresden, Germany (24.05 - 08.06.1998, TEMPUS Programme).
  - Technique University of Vienna, Austria (29.11 - 05.12.1999, TEMPUS Programme).
  - Technique University of Vienna, Austria (16.11.2000 - 19.11.2000, TEMPUS Programme).
  - Technological Educational Institute - TEI, Piraeus, Greece (08.02 - 08.03.2001, TEMPUS Programme).
  - University "Tomas Bata" of Zlin, Czech Republic (30.05 - 09.06.2002, Grant financed by The World Bank).
  - Université de Technologie de Compiègne, Centre National de la Recherche Scientifique (CNRS) – Heudiasyc, France (27.11- 05.12.2004, Erasmus-Socrates Programme)
- ### • International Schools:
- *Analysis and Control of Time Delay Systems*, Polytechnic National Institute of Grenoble, France (04.09 - 08.09.2000).
  - *Geometric Modelling and Control of Physical Systems*, Polytechnic National Institute of

Grenoble, France (17.09 - 21.09.2001).

## 6. University/Professional Positions:

01.08.1977 - 20.09.1981:	Engineer, T. C. I. F., Craiova.
21.09.1981 - 15.01.1990:	Assistant, University of Craiova, Faculty of Electrotechnics, Automation and Computers Department.
16.01.1990 - 30.09.1990:	Assistant, University of Craiova, Faculty of Automation and Computers, Automation Department.
01.10.1990 - 22.02.1998:	Lecturer, University of Craiova, Faculty of Automation, Computers and Electronics, Automation Department.
23.02.1998 - 30.09.2003:	Associate Professor, University of Craiova, Faculty of Automation, Computers and Electronics, Automation Department.
01.10.2003 - present	Professor, University of Craiova, Faculty of Automation, Computers and Electronics, Automation Department.

## 7. Scientific Societies Affiliations

- IEEE (Institute of Electrical and Electronics Engineers: Control Systems Society (CSS) and Neural Networks Society (NNS)), member from 1998, ID: 40340476.
- Romanian Society of Automation and Technical Informatics – SRAIT, member from 19911.
- Romanian Society of Robotics – ARR, from 1997.
- Research Centre: *Nonlinear automation. Stability and oscillations* (accredited by CNCSIS – The National University Research Council) – founder member in 2001.

## 8. Teaching Activity

The teaching activities were developed during more than 25 years of continuous university activity, consisting in course, laboratory, seminar and project activities for some disciplines from „Systems Engineering” domain (Automation, Industrial Informatics and Mechatronics specializations of the Faculty of Automation, Computers and Electronics, and also for some specializations of the Electrotechnics, Electromechanical and Mechanical Faculties, engineers, college, post-graduate studies and doctorate). Among the teaching activities developed in this period it can be mentioned:

- Systems Theory – Automation
- Systems Theory and Control - Electrotechnics, Electromechanical
- Automatic Regulators - Automation
- *Control of biotechnological processes* - Automation
- Systems for automatic control - Electromechanical
- *Adaptive control of systems* – Automation (Master)
- Process Computers Programming - Automation
- Operating Systems and Real Time Languages - Automation, Industrial Informatics, Mechatronics
- Real Time Applicative Software – Automation (college)
- Industrial Electronics and Automation - Mechanical
- Object Oriented Programming – Automation, Industrial Informatics, Mechatronics
- Virtual Instrumentation - Industrial Informatics

## 9. Publications:

- **12** monographs and university manuals published by some CNCSIS-recognized publishing houses.
- **3** monographs and university manuals published by other publishing houses or by Typography of University of Craiova.
- **37** papers/studies published in some journals of speciality, from which:

- **8** published in some ISI or indexed IDB (International Data Bases) journals (INSPEC, Zentralblatt Math, BLD – British Library Direct etc.).
- **28** published in some CNCSIS recognized journals, type B and C.
- **90** studies/papers published in the proceedings of some scientific conferences, from which:
  - **7** in some indexed IDB proceedings (with ISBN) as: ISI Proc., INSPEC, IEEE Xplore.
  - **40** in the proceedings (with ISBN) of some international conferences.
  - **22** in the proceedings of other international conferences.
  - **21** in the proceedings of some national conferences.

**10. Research Grants and Contracts**

a) obtained by competition:

- international: **2** (in the last 5 years)
- national: **22** (4 director/responsible)

b) with some companies and national research institutes: **8**

**11. Known Foreign Languages:** English, French