

## Emil SCARLAT

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**Nationality:** Romanian

**Date of birth:** 9.10.1949

**Gender:** male

### CV's summary

Dr. Emil Scarlat is full Professor of Economic Cybernetics and Economic Dynamics within the Department of Informatics and Economic Cybernetics in the Bucharest University of Economic Studies (BUES). He had graduated both the Bucharest University of Economic Studies (Economic Cybernetics Faculty), and the University of Bucharest – Mathematics and Informatics Faculty. From 1979 he has a PhD in Economic Cybernetics field, with the thesis „Management of Dynamic Economic Systems“. He teaches for the senior students in the undergraduate program and for the students at the master program in the Faculty of Economic Cybernetics, Statistics and Informatics at BUES, and also he leads doctoral students in the Cybernetics and Statistics fields. He is the founder of the Business Logistics Foundation (Romania – UK). He has been member of the Program and Organizing Committees and also chairman and scientific reviewer for several national and international conferences, such as SIGEF, GITMA, ECKM, IEEE GSIS, WOSC and others. He was visiting professor at Austrian Research Institute for Artificial Intelligence, University of Bologna - Computer Science Department, University of Milano - Bicocca - Department of Computer Science, Systems and Communication.

Professor Scarlat's scientific activity (after 1990) is materialized in over one hundred articles and scientific papers published in the prestigious national and international journals and proceedings or presented to international conferences. He is the author and co-author of 27 books and 6 book chapters in fields such as: Economic Cybernetics for Micro and Macro-systems, Economic Dynamics, Nonlinear and Agent-Based Modelling of Economic Systems, Theory of Organized Complexity, and lately, Collective Computational Intelligence and Knowledge Intelligent Systems. He is a member of the Editorial Advisory Board for the "Economic Computation and Economic Cybernetics Studies and Research", the leading journal in the field of economic modelling from Romania published by the Bucharest University of Economic Studies ([www.ecocyb.ase.ro](http://www.ecocyb.ase.ro)). He is also an associate editor of the international journal "Grey Systems: Theory and Application", edited by the prestigious publishing house Emerald Group from the Great Britain. He has been involved in different national and international projects and was leading various academic and industrial projects in the area of cybernetic modelling, agent intelligence, virtual enterprise, digital business ecosystems and knowledge ecosystems. In the most of them he was the program director or leading applicant (in the last ten years: 8 national academic researches grants – funded by the Romanian Education and Research Ministry, and 3 international projects funded by private companies).

Professor Emil Scarlat is a member of the Excellency Research Center ECO-INFOSOC coordinated by the Informatics and Economic Cybernetics Department of the BUES. His main research areas are in the Theory of complex adaptive systems, Agent-based modelling and simulation, Knowledge management and ecosystems, and Macroeconomic Dynamics. His current researches are focused on the use of intelligent agents and multi-agent systems in the design and operation of dynamic cyber organizations, in particular in the virtual network hospitals. He is also interested in the development of the third order and fourth order cybernetic principles and methods. On these topics, he developed intense international collaboration with fellow researchers from UK, Italy, Austria, Poland, Germany, China and USA. For his research activity he was awarded every year for the last seven years. Also, his book „Methods and Models for Structural Economic Analysis“ had received the Romanian Academy' Reward „P. S. Aurelian“ for the best scientific publication. He was keynote speaker for major conferences in China, UK and Germany. Some of his papers were awarded as “The best paper” and “The best published paper”.

### **Work experience**

#### **Dates Occupation or position held**

1972 – Prezent

Professor (1993 - Present),

Associate Professor (1990-1993),

Lecturer (1979-1990),

Assistant Professor (1975-1979),

Assistant Professor Trainee (1972-1975)

Main activities and responsibilities: Teaching and research in the fields of Basics Cybernetics, Decision Making Theory, Microeconomics, Macroeconomics, Economic Dynamics, System Analysis, Enterprise Cybernetics, Cybernetics of Economic Systems.

Management of doctoral thesis in the Cybernetics and Economic Statistics field

Name and address of employer: Academy of Economic Studies Bucharest, Piața Romană 6, 010 522, sector 1, Bucharest, Romania

Type of business or sector Education - Higher Education

### **Education and training**

**Dates:** July 1995

Title of qualification awarded: Marketing and Logistics,

Certificate of Graduation: Principal subjects/occupational skills covered Marketing techniques and business models in optimizing enterprise logistics

Name and type of organisation providing education and training: IROMA (Institutul Român de Management) Bucharest, Romania Level in national or international classification: Postgraduate studies

**Dates:** Mai 1995

Title of qualification awarded:  
Health and Security versus Profit, Certificate of Graduation

Principal subjects/occupational skills covered Security management work situations within a company. Name and type of organisation providing education and training: A.S.E. Bucharest, ADVI SAFE Sweden and MMM Consultancy Group, Great Britain Level in national or international classification: Postgraduate studies

**Dates:** January 1995

Title of qualification awarded: Quality Management and Management of Quality, Graduate Diploma  
Principal subjects/occupational skills covered General and specific management techniques to ensure the quality of a company's business. Name and type of organisation : International Foundation for Management providing education and training. Level in national or international classification: Postgraduate studies

### **Postgraduate studies**

**Dates:** December 1994

Title of qualification awarded: Logistics Manager, Certificate of Graduation

Principal subjects/occupational skills covered: Logistics and material flow of information within a company

Name and type of organisation providing education and training: A.S.E. Bucharest in cooperation with University of Goteborg, Sweden, and SAFE ADVIA MMM Consultancy Group, UK

Level in national or international classification: Postgraduate studies:

### **Postgraduate Diploma**

#### **Doctoral Studies**

**Dates:** 1975-1979

PhD in Economics, Cybernetics and Systems, Specialization: Economics, Title: Dynamic Management of Economic Systems, Academy of Economic Studies, Faculty of Cybernetics, Statistics and Economic Informatics, Bucharest

#### **Doctoral Studies**

Dates: 1974 - 1979

University degree in Mathematics and Informatics, Mathematician specialized in the use of mathematical and computer models and techniques in various fields of theoretical and practical applications (IT, cybernetics, social studies) University of Bucharest, Faculty of Mathematics and Informatics

### **University License Studies**

Dates: 1967-1972

University degree in Economic Cybernetics, Economist empowered to design and economic decisions using quantitative methods and ITC, Academy of Economic Studies, Faculty of Cybernetics, Statistics and Economic Informatics, Bucharest

### **University License Studies**

**Dates:** 1963-1967

High School Diploma General education (Romanian Language and Literature, Mathematics, Physics, Chemistry, Geography, History) Military College "Dimitrie Cantemir" of Breaza, Prahova, Romania

**Languages:** English; French; Italian.

**Specify mother tongue:** Romanian

**Driving licence:** Yes, B category

### **Social skills and competences:**

1. Organizational skills and competences
2. Skills and knowledge of computer use
3. Easy Integration for teamwork
4. Ability to sustain public lectures and to present information clearly and synthetic information of broad interest or professional group dedicated to small Working with students, participation in national and international conferences.
5. Ability to coordinate and harmonize the work of a team of specialists in order to achieve homogeneous clearly defined objectives;
6. Managerial skills in various professional activities.
7. Microsoft Office;
8. WSP, QM, WinQSB - specialized software products solving operational research and decision theory;
9. WinProj, Microsoft Project 2010, Primavera - dedicated project management software packages;
10. NetLogo - programming environment using intelligent agents.

**Additional information and references:**

**References:**

- Prof. Virginia Mărcine, ASE București, România
- Prof. C.V. Negoita, Hunter College, New York University, USA
- Prof. Dr. Maurice Yolles - Liverpool John Moores University, UK;
- Prof. Dr. Giuseppe Zollo - Federico II University, Napoli, Italia;
- Prof. Dr. Sifeng Liu, Nanjing University of Aeronautics and Astronautics, Dean, College of Finance and Management, China

15.10.2016

Prof. univ.. dr. Emil Scarlat

**Annexes** - List of papers published in the last five years