

Curriculum vitae Europass

Personal Information

Name/Surname **Popa, Emil Marin**
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Nationality Romanian

Day of birth 07 iuly 1951

Professional Experience

2004 – Dean – Faculty of Science, University „Lucian Blaga” of Sibiu

1997-2004 – Chief of department – Department of Business Informatics and Computer Knowledge, Faculty of Science, University „Lucian Blaga” of Sibiu

2003 – Manager of Scientific Research Centre in Communication Knowledge and Information Technology, University “Lucian Blaga” of Sibiu

2000 – Chief of doctoral thesis in domain of Cybernetics and Economical Statistics, specialization: Business Informatics

1999 – Professor dr. at University “Lucian Blaga” of Sibiu, Faculty of Science, Department of Business Informatics and Computer Knowledge

1996 – 1999 – Lectureship dr. at University “Lucian Blaga” of Sibiu, Faculty of Science, Department of Business Informatics and Computer Knowledge

1991 – 1996 – Lecturer at University “Lucian Blaga” of Sibiu, Faculty of Science, Department of Business Informatics and Computer Knowledge

1980 - 1990 – Principal Trainer I, at Territorial Centre of Electronic Calculus – Sibiu, domain: Zonal Group of Training Persons in Informatics (based activity – analyze, projection and implementation of software products with a pronounced character for Economical and Techniques Sciences)

1975 - 1980 – Computer analyst at I.M. Aiud, Calculus Centre

1994-1997 – Post-graduate courses of specialization and development in domain of Business Informatics: Analyze, Projection and Implementation of economical information systems, Generative mechanisms of economical process, Modeling and simulation of economical process, Action Systems with economical applications, Software instruments of modeling economical process

I had taught next courses: Informatics systems and services management, Programming in high medium, Soft system and system of the soft, Modern techniques of software designing, Software Engineering, Modeling and simulation of technological processes, Informational systems for management, Marketing researches also in management domain, Linear algebra, Analytic and differential geometry, Complex functions (at Faculty of Economic Engineering and Faculty of Industrial Management), The mathematical theory of information and codes, Combinative and graph theory, C language, Educational programming, Programming techniques, Data structures, Algorithms analyze and syntheses, The bases of designing operating systems, Operating systems, Formal languages and compilers, Mathematics applied in economy, The base of informatics, Computers programming (at Faculty of Economy Science), Mathematical modeling of economical processes, Introduction on business informatics, Designing and generations techniques of compilers, Algebraic methodology for solving software technique, Modern approaches in programming theory languages, Computational formal models, Genetic and evolutionary programming, Designing of translators.

Education and formation

2002 – Specialized courses in Technological Management of Transfer , University of Iowa, USA.

2001 – Specialized courses in Management of university, University of Iowa, USA.

2000 – “Human Resources Management”, Univ. of Missouri, College of Business, Columbia, USA

1997 – Post-graduated courses specialized in informatics – genetic and evolutional programming

1995 - Post-graduated courses specialized in finance-accounting

1994 - 1997 – Post-graduated courses specialized in domain of Business Informatics: Analyze, Projection and Implementation of economical information systems, Projection of compilers used for programming languages for economy, Generative mechanisms of economical process, Modeling and simulation of economical process, Action Systems with economical applications, Software instruments of modeling economical process

1992 – Post-graduated courses specialized in Informational Systems for decimal support, Sibiu: 22 courses (28-40 hours/course) with professors of Columbia University, Missouri in Business Management Domain

1992 – Specialized courses in Informatics – Moderne techniques of software projection

1982 – Specialized courses in Informatics – Bata bases

1980 – Post-graduated courses specialized in Informatics – hardware programming language

1976 – Post-graduated courses specialized in Operational Research and Mathematical Modeling

1975 – Post-graduated courses specialized in mathematical analyze

1975 – I had post-graduated the course of Analyze (similar with Master courses) at Faculty of Mathematics and Informatics, University “Babeş - Bolyai” of Cluj-Napoca

1974- I had post-graduated Faculty of Mathematics and Informatics, University “Babeş - Bolyai” of Cluj-Napoca

Scientific and professional experience

2001, 2002 - Visiting professor at IOWA University – USA, Department of Computer Science and Business Informatics.

2000 – Change of experience with University of Missouri, College of Business, Columbia, USA

2000 – I had obtained the title of Chief of doctoral thesis in Cybernetics and Economical Statistics, specialization: Business Informatics

2000 – Expert, The National Board of Scientific Research in High Education in Romania, CNCSIS. Until now, my didactical, scientific and researcher activities in the domain of Economy Science – Business Informatics, had been accomplished by: sustained of more than 270 scientific communications in different occasions that took place in the national or international plan.

I had published 134 scientific articles in the review branch that were reviewed with good consideration in prestigious publications in the country or over the seas, such as: “Zentralblatt für Mathematik und ihre Grenzgebiete, Mathematics Abstract, Springer-Verlag Berlin Heidelberg”, “Mathematical Reviews, Published by the American Mathematical Society Providence, Rhode Island USA”.

I had made 24 research rapports that had been read in different university of Romania or over the seas.

I finalized 18 research contracts that had been applied in Business Informatics domain. I had forwarded 2 grants together with specialists of Iowa University, U.S.A., one to NSF (National Science Foundation) of U.S.A. and one of the research laboratories of the N.A.S.A.

I had organized al University “Lucian Blaga” of Sibiu 15 international symposium where were presented accomplishments and researches of mark in the domain of Cybernetics and Economical Statistic.

I had made 128 didactical papers who addresses to students of Business Informatics, Mathematics-Informatics, Computer Science and Economic Science.

The promotion on Lectureship, Professor and chief of dissertation thesis was made on proposal of Commission of Cybernetics and Economic Statistics - Business Informatics.

On my development like specialist in Cybernetics and Economic Statistics domain, an important role was played by the time when I worked in Territorial Centre of Electronic Calculus, Sibiu (10 years).

In that time, I had taught postgraduate courses to specialists from the Economical Science domain and who were, at the end, specialized in Business Informatics domain.

This fact had imposed and allowed to thoroughness the scientific aspects that belong to Economic Science and came something to an extreme treatment by theoretic and pragmatic view in the Business Informatics domain.

These aspects that I had approached theoretic and applied using the researches of Computer Science domain that I had extended in Economic Science, obtaining consistent scientific results in Business Informatics domain, results that are appreciated by specialists.

I had sustained conferences and lectures based mostly on aspects from Cybernetics and Statistic Economy – Business Informatics, at different important scientific manifestation.

I am chief publisher at scientific review of University “Lucian Blaga” of Sibiu, “Acta Universitatis Cibiniensis-Computer Science for Economics”.

Aptitudes and personal competences

Maternal language

Romanian

Knowing foreign languages

Auto evaluation

European level ()*

Comprehension		Speaking		Writing
Listening	Reading	Interaction	Spoken	

English

C1 Proficient User	C1 Proficient User	C1 Proficient User	C1 Proficient User	C1 Proficient User
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French

B2 Independent User	B2 Independent User	B1 Independent User	B1 Independent User	B1 Independent User
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Competences and organization aptitudes

I had organized at “Lucian Blaga” University of Sibiu, 15 international symposia where were presented accomplishments and researches of mark from domain of Cybernetics and Economical Statistic – Business Informatics.

I had coordinated and I’m coordinating more than 200 papers of degree and dissertation, most of all in the domain of Cybernetics and Economical Statistic – Business Informatics. I had participated at 35 committee of doctorate dissertation.

I had initiated a scientific seminar of research in the domain of Economical Statistic – Business Informatics, that works in Department of Business Informatics and Computer Science, and, here participate not only the staff of the department, but also experts from our country or over the seas.

I am coordinating a research collective made by 20 didactical assistants from University “Lucian Blaga” from Sibiu, that has like main study objective the rough-wrought of a new designing methodology of software in the domain of Cybernetics and Economical Statistic – Business Informatics, the research activity been accomplished by theoretical and applicative papers that are a great interest.

I am also coordinating un scientific student circle that obtains singular results in the domain of Business Informatics, some of those being presented in different scientific international and national manifestation.

I had designing and implemented all the infrastructure of Communication Centre from Faculty of Science, that has all the modern software equipment in domain and that accomplish the present requirement on global plan.

The thematic of the courses have like primary objective the student preparation in domain of Cybernetics and Economical Statistics by presenting the nowadays technologies (software equipments and instruments) in this domain. Following that, the proposed analytic program for these

branches of science assure the interdisciplinary preparation that combines the economic, mathematic and information background, those being centered on business economy. The accent represents the understanding of social-economical phenomena, mathematic and information modeling, in the purpose of construction of performing informatics systems of administration, execution and tracking. For example, the formal language constitutes nowadays one of the most important and powerful instruments of modeling economic process. In the case of operating systems, the accent is based on philosophy discovery and their architecture, where is presented the using of graphic interfaces and support applications for economical domain, with the distinction of software interfaces for programmers and annalists of economical systems.

I am coordinating the next projects:

2005 – NODES – Creation of a European network of multimedia resource centers for adult training, type GRUNDTVIG-G1, no. 225891-CP-1, collaborators Establishment National d'Enseignement Superior Agronomic de Dijon, France; Department "ICT in agricultural education and adult training", Dijon, France; Czech University of Agriculture, Faculty of Economics and Management, Department of Information Technology, Cehia; University College Cork, Centre for Sustainable Livelihoods / Department of Computer Science, Irlanda; Technical University of Madrid, Tecnologia Fotonica, Spain; University of Debrecen, Faculty of Agricultural Economics and Rural Development, Hungary.

2004 - BIN-NET – Business Informatics Network in Common Europe, type ERASMUS (SOCRATES), collaborators University of Vienna, Austria; University Polytechnic Bucharest, Romania; Comenius University of Bratislava, Slovakia; Dublin City University, Ireland; Wroclaw University of Economics, Polonium; Gdansk University of Technology, Polonium. Polytechnique Institute of Setubal, Spain; University of Economics Prague, Czech; University of West Sopron, Hungary.

I had participated at next projects:

1999-2002 - Project CNFIS code 287/1999, contract Grant no. 2102 / 30.09.1999 for the foundation in ULBS frame of a zonal centre for financial management, financed by Global Bank and Government of Romania.

I had participated to ample activities of research undo aegis of Centre of Economical Research and of Centre of Scientific research in Communication Science and Information Technologies from ULBS frame.

I am coordinating a research collective formed by 20 didactical assistants from "Lucian Blaga" University of Sibiu who has like study objective the rough-wrought of a new methodology of software designing in the domain of Business Informatics, the activity of research being objectifying by theoretical and practical papers that rouse a real interest.

Conferences, discourses, communications, research rapports; video-conferences

(Department "ICT in agricultural education and adult training", Dijon, Franța; Czech University of Agriculture, Faculty of Economics and Management, Department of Information Technology, Cehia; University College Cork, Centre for Sustainable Livelihoods / Department of Computer Science, Irlanda; Technical University of Madrid, Tecnologia Fotonica, Spania; University of Debrecen, Faculty of Agricultural Economics and Rural Development, Ungaria)

**Advanced Operating Systems –
Parallel Programming for Computational Sciences –
Genetic Algorithms –
Introduction to System Software –
Introduction to Compiler Construction –
Parallel Programming –
Seminar on Programming Languages –
Seminar on Language Processing Technology –
Introduction to Computational Linguistics –
Component-Based Software Development –
Language Processing Technology –
Introduction to XML –
Theory of Computation –
System Software and Software Systems –
Systems Methodology for Software –
Execution Support Environment –
PHRASE Parsers from Multi-Axiom Grammars –
Theories and Experiences for Real-Time System Development –
Software development for high performance computing –
Multi-layered Pipeline from Multi-axiom Grammars –
Business Informatics Processing of Programming Languages –
Business Informatics Paradigm for Software Development –**

**Business Informatics Implementation of Model Checking –
Using Graph Coloring in an Business Informatics Compiler –
Model checking tools for parallelizing compilers –
Integrating temporal logics and model checking algorithms –
A formal approach to parallelizing compilers –
A language independent scanner generator –
A transition semantics specification language –
Semantics specification in a compiler –
Generating model checkers from specifications –
SEL: a semantic specification language –
A component-based language processing environment (slides) –
Business Informatics definition of programming languages –
TICS: A Component-Based Language Processing Environment –
Natural Language Processing –
A Unified Language Processing Methodology –
Domain-Oriented Component-Based Automatic Program Generation –
A process based application development system –**

Member in associations

American Machinery Society, (AMS).

Society for Industrial Application of Mathematics, (SIAM).

Association for Computing Machinery, (ACM).

Institute of Electrical and Electronics Engineering, (IEEE) Computer Society

Marketing Management Association, USA

I am the coordinator of National Network of Researchers on base that it had been initiated the participation of Romania at COST action - European Cooperation in the Field of Scientific and Technical Research.