

PERSONAL INFORMATION

Liviu Șerbănescu

 serg. Nuțu Ion 49, 050762 Bucharest (Romania)

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 liviu_969@yahoo.com ; livius969@gmail.com

Sex Male | Date of birth 24/05/1969 | Nationality romanian

WORK EXPERIENCE

01/10/2008–Present

lecturer dr.eng.

Hyperion University of Bucharest - The Faculty of Science
Calea Calărași, Bucharest (Romania)

I taught courses:

- Procedural language programming (C)
- Object-oriented programming (C++)
- Databases programming
- Management systems database
- WEB programming
- Logistic informatics
- Software Engineering
- Automatic and microprogramming
- Control Engineering

Business or sector Education

2007–2014

freelancer

National Mineral Water Company
str. Mendeleev, București (Romania)

software development, followed by maintenance for hydrogeological data management

Business or sector Hydrogeology

2004–Present

freelancer

ORANGE ROMANIA S.A.
Bd-ul Lascăr Catargiu,, Bucharest (Romania)

software analysis, design and development, followed by maintenance:

STOKY Warehouse

STOKY RFC (Repair Flow Control)

STOKY CSO

(over 200 users)

Business or sector telecommunications

2004–2006

externally teacher

"Politechnica" University of Bucharest - Faculty of Electronics, Telecommunications and Information
Technology
B-dul Iuliu Maniu 1-3, Bucharest (Romania)

I taught courses:

- Computer Programming

- Data Structures and Algorithms
- Internet Services

Business or sector Education

2002–2003 freelancer

AXIS Associates
rue Blomet, 75015,, Paris (France)

logistics application development, implementation at ALSTOM Romania

Business or sector logistics stocks

1999–2000 freelancer

ALCATEL NETWORK SYSTEM Romania
Pipera (CONNECT location), Bucharest (Romania)

- Software development logistics- Financial management application development

Business or sector telecommunications

1998–2009 Research Assistant / Researcher

Astronomical Institute of the Romanian Academy
Cuțitul de Argint, no.5, Bucharest (Romania)

Software development for astronomical's images processing and astronomical dates management.

Business or sector fundamental research - astrometrie

1998–2006 freelancer

S.C. CEPROCIM S.A.
Preciziei no. 6, Bucharest (Romania)

software development in applied research projects(Software for modeling and optimization of flow quality in manufacturing cements, recognition of forms - optical microscopy, interpreting standards, a.o.)

Business or sector cement industry - applied research

1996–2004 analyst-programmer, freelancer

National Mineral Water Company
Mendeleev 2-4, Bucharest (Romania)

Software development for hydrogeological data management and other dedicated software

Business or sector Hydrogeology

1993–1998 analyst and software developer

S.C. PICON SA
Dionisie Lupu 72, Bucharest (Romania)

design and develop software applications,
project coordinator of software application projects

Business or sector Deployments of software application in extractive industry

01/10/2014–2015 externally teacher

UNIVERSITY OF SOUTH-EAST EUROPE LUMINA, Bucharest (Romania), Bucharest (Romania)

I have been teaching programming courses.

10/2015–Present **freelancer**
 NetGrid Telecom, Bucharest (Romania)
 1. Design software module for technical-finance activities.
 2. Developing software module.

EDUCATION AND TRAINING

2001–2008 **Dr.Eng.**
 Oradea University - Faculty of Electrical Engineering and Information Technology
 Universitatii 1, Oradea (Romania)
 Title of thesis: Contributions on modeling and optimization of industrial and economic processes.

1988–1993 **Engineer**
 "Politehnica" University of Bucharest - Faculty of Automatic Control and Computers
 Splaiul Independentei 313, Bucharest (Romania)
 microprocessor-based systems, programming languages, systems interface, artificial intelligence and expert systems, control systems engineering, industrial automation

PERSONAL SKILLS

Mother tongue(s) Romanian language

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	C1	C1	C1	B2	B1

certificate of translations - French to Romanian, domain physics; 1990

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Communication skills Good communication skills due to experience working with beneficiaries and interdisciplinary

Organisational / managerial skills - Experience in project management- Experience in analysis, designing and software development

Job-related skills **Book:**
L. Șerbănescu, *Dezvoltarea aplicațiilor de baze de date PostgreSQL cu interfață grafică în C++*, Editura Fair Partners, București, 2014, Colecția "Manuale. Tratatate. Monografii" (vol. 142), 250 pagini, ISBN 978-606-718-006-0 ;
L. Șerbănescu, *Bazele proiectării și implementării aplicațiilor WEB*, Editura Fair Partners, București, 2016, Colecția "Manuale. Tratatate. Monografii" (vol. 147), 120 pagini, ISBN 978-606-718-013-8.

Related document(s): anexa1_cv_2016.pdf

Digital competence Profile shows the skills training..

Driving licence B

ANNEXES

- anexa1_cv_2016.pdf

anexa1_cv_2016.pdf 

CV – ANEXA 1

THE LIST OF PAPERS*Scientific papers published in journals BDI*

1. **L.Șerbănescu**, M.Mihăilescu *Application software architecture for learning physics, based on Ant Colony Optimisation type mechanisms* , Proceedings of the 13th International Conference on Virtual Learning - ICVL 2016, 29 oct. Craiova, (ISSN 1844 -8933), Editura Universității București, **2016**, pag. 334-338,
2. **L.Șerbănescu**, *Software architecture relational database with the progressive definition of the data structure* , Proceedings of the 13th International Conference on Virtual Learning - ICVL 2016, 29 oct. Craiova, (ISSN 1844 -8933), Editura Universității București, **2016**, pag. 339-342,
3. **L.Șerbănescu**, *Software development for flexible management of multiple warehouses*, Proceedings of the 13th International Conference on Virtual Learning - ICVL 2016, 29 oct. Craiova, (ISSN 1844 -8933), Editura Universității București, **2016**, pag. 343-350
4. **L.Serbanescu**, *Recursive Techniques in Designing Software Applications to Assist the Quality Management*, Proceedings of the 13th International Conference on Virtual Learning - ICVL 2015, oct. Bucharest, (ISSN 1844 -8933), Editura Universității București, **2015**, pag. 368-373
5. **L.Serbanescu**, *Designing an End User Auto-Adaptive Interface for Inventory Software Application*, Proceedings of the 13th International Conference on Virtual Learning - ICVL 2015, oct. Bucharest, (ISSN 1844 -8933), Editura Universității București, **2015**, pag. 374-378
6. C.E. Cornel, **L.Serbanescu**, *Warehouse management software architecture based on state - transition models*, Proceedings of the the 25th International Business Information Management Association Conference, At Amsterdam, Netherlands 7-8 May **2015**
7. **L.Serbanescu**, D.Iosif, *Biometric Data Software Representation in Distributed Computing Architectures*, Electronics, Computers and Artificial Intelligence (ECAI), 2015 7th International Conference , publisher IEEE, pag. BB-5-BB-8, Bucharest **2015**/6 ,
8. **L. Serbanescu**, I.Sima, *A Software Architecture for the Control of Biomaterials Maintenance*, Electronics, Computers and Artificial Intelligence (ECAI), 2015 7th International Conference , publisher IEEE, pag. BB-1-BB-4 , Bucharest **2015**/6
9. **L. Șerbănescu**, *Software Arhitecture for Modeling and Optimization of the Process in the Laboratory Activity Management*, Proceedings of 23rd IBIMA Conference, Valencia, Spain 13-14 May **2014**, editor Editor Khalid S. Soliman, **2014**, pag. 545-549, ISBN: 978-0-9860419-2-1, <http://www.ibima.org/SPAIN2014/papers/lise.html> ,
10. **L. Șerbănescu**, *Self assessment in the learning process of the object oriented programming*, Proceedings of the 12th International Conference on Virtual Learning - ICVL 2014, 24-25 oct. Bucharest, (ISSN 1844 -8933), Editura Universității București, **2014**, pag. 343-347, [http://c3.icvl.eu/2014/accepted-full-papers \(32\)](http://c3.icvl.eu/2014/accepted-full-papers (32)) ,
11. **L. Șerbănescu**, *The training of software developers on maintenance activities for database applications*, Proceedings of the 12th International Conference on Virtual Learning - ICVL 2014, 24-25 oct. Bucharest, (ISSN 1844 - 8933), Editura Universității București, **2014**, pag. 348-358, [http://c3.icvl.eu/2014/accepted-full-papers \(43\)](http://c3.icvl.eu/2014/accepted-full-papers (43)),
12. M. Orzan, **L. Șerbănescu**, Ghe. Orzan, V. Sima, I. G. Gheorghe, *Corporate Logistics Improvement through Automated Processes: A Romanian Case Study for a Repair Flow Control*

- and Supply Management System, IBIMA Conference, Volume 4, number 12, **2008**, pages 97-106, ISSN: 1943-7765 (classified in ULRICH'S PERIODICALS DIRECTORY), Kuala Lumpur (<http://www.ibima.org/CIBIMA/volume4/v4n12.html>)
13. **L. Șerbănescu**, *Recovering information from photographic plates in "EXPLORING THE SOLAR SYSTEM AND THE UNIVERSE"*, AIP Conference proceeding – vol. 1043, ISBN 978-0-7354-0571-4, pag. 220-221, Bucharest **2008**
 14. Grigore Albeanu, **L. Șerbănescu**, Fl Popentiu-Vladicescu, On teaching data analysis and optimisation using software tools, Proceedings of the 2nd International Conference on Virtual Learning, ,pag. 26-28 Constanta **2007/10**
 15. H. Madsen, P. Thyregod, F. Popențiu-Vlădicescu, G. Albeanu, M Coarnă, **L. Șerbănescu**, D. Mîrza, A. Tautan, *Considerations Concerning a Fuzzy-Genetic Algorithm with Application to CEM I Type Cement Quality Optimization*, In (Dale Zinn, Michael J. Savoie, Kuo-Chi Lin, El-Sayed El-Badawy and Gh. Benga, eds.) Proceedings of the 9th World Multi-Conference on Systemics, Cybernetics and Informatics, Orlando, Florida, USA, 10-14 July **2005**, Vol. 10, pp. 350-353; ISBN: 980-6560-52-3 (Collection), 980-6560-62-0 (Vol X)
 16. H. Madsen, P. Thyregod, F. Popențiu-Vlădicescu, G. Albeanu, **L. Șerbănescu**, *A Decision Support System for Pollution Control in Cement Plants*, In (C. Spitzer, U. Schmocker and V.N. Dang eds.), Proceedings of PSAM 07 - ESREL'04, Probabilistic Safety Assessment and Management, Vol. 3, **2004**, pp. 1784-1789, Springer: Berlin, ISBN: 1-85233-827-X; 978-1852338275
 17. M. Coarna, **L. Șerbănescu**, F. Popențiu-Vlădicescu, G. Albeanu, D. Mîrza, A. Tautan, *Cement quality optimization via fuzzy / genetic algorithm techniques*, **ISIEM 2004, Eindhoven**, p.113(abstract), Holland, 18-21 october, **2004**
 18. G. Albeanu, F. Popențiu-Vlădicescu, **L. Șerbănescu**, *Reliability Modeling and Optimization for Distributed Fault-Tolerant Computing Systems*, In (T. Bedford, P.H.A.J.M. van Gelder eds.) Proceedings of ESREL'2003, European Safety and Reliability Conference, Maastricht-The Netherlands, A.A. Balkema Publishers, Lisse, **2003**, Vol. 1, pp. 19-24, ISBN: 90-5809-551-7, 978-9058095510
 19. M. Coarna, G. Guslicov, **L. Șerbănescu**, V. Sorescu, M. Isepciuc, *Standard strength of cements predictions*, Key Engineering Materials, **Trans Tech Publications**, vols.264-268, p.2137-2140, Uetikon-Zurich, Switzerland, **2003**, <http://www.scientific.net>.

Scientific papers published in journals recognized by CNCSIS (B, B +, C, D) and other journals (other than BDI / ISI) and at national and international conferences

- **Scientific papers in proceedings of international conferences s**

1. P. Popescu, **L. Șerbănescu**, A. Nedelcu, *System architecture for the measurement of the atmospheric pollution using spectral photometric methods, for buildings and online access of resulted maps*, ICST 2009, INTERNATIONAL CONFERENCE ON SPACE TECHNOLOGY, August 24-26, **2009**, Thessaloniki, Greece (included in the Conference proceedings (ISBN number 1-901725-38-3)), <http://www.icspacetechnology.com/>
2. **L. Șerbănescu**, P. Popescu, *Integrated system for the measurement of the atmospheric pollution using spectral-photometric methods, for building and on line acces of resulted maps* prezentată la "The 3rd International symposium on polar scientific research international polar year 2007-2009" București, **2008**.

3. M. Coarna, A. Volceanov, **L. Șerbănescu**, D. Mirza, A. Tautan, *Modernization of CEMI type cements obtaining by new optimisation techniques of their quality*, The 14th Romanian International Conference on Chemistry and Chemical Engineering **RICCCE XIV**, ISBN 973-718-284-7, 22-24 sept. **2005**, vol.1, p. S08-118 - S08-124, Bucharest, Romania.
4. F. Popențiu-Vlădicescu, G. Albeanu, **L. Șerbănescu**, *POLOGCEM - A Software System for Controlling the Pollution Dynamics in the Cement plants*, The Fifth International World Energy System Conference: A Reliable World Energy System, 17-19 May **2004**, Vol. III, p. 437-442, ISSN 1198-0729, Oradea, Romania, CD-ROM Edition.
5. G. Albeanu, F. Popențiu-Vlădicescu, **L. Șerbănescu**, *Reliability modeling and optimisation for distributed fault-tolerant*, European Safety and Reliability Conference, ESREL 2003, p.19-24, June 15-18, **2003**, Maastrich, the Netherlands.
6. **L. Șerbănescu**, M. Coarnă, G. Guslicov, *Tehnici software pentru modelarea calității cimenturilor*, Proceedings of International conference on Naval and Marine Education, section Mathematics and Computers Science, 14-16 nov. **2002**, p. 39-46, Constanta, CD-ROM Edition.
7. M. Coarnă, G. Guslicov, **L. Șerbănescu**, C. Măndoiu, M. Radu, *Cement quality prediction using fuzzy models*, 3Rd Int. Conf. of the Chemical Soc. of the South-Eastern European Countries on Chemistry in the New Millenium - An Endless Frontier, 22-25 sept.2002, Ed. Nemira, sept. **2002**, p. 51, ISBN 973-569-555-3, Bucuresti, Romania.
8. **L. Șerbănescu**, M.Coarnă, G.Guslicov, *Software techniques for cement quality modeling and optimisation*, 3Rd Int. Conf. of the Chemical Soc. of the South-Eastern European Countries on Chemistry in the New Millenium - An Endless Frontier, 22-25 sept. **2002**, Ed. Nemira, p.342, ISBN 973-569-555-3, București.
9. C. Dumitrache, R. Popescu, **L. Șerbănescu**, M. Mierla, P. Popescu, *Solar Prominences Observations with Astrolabe*, Proceedings of the International Seminar "Solar Researches in the South-Eastern European Countries: Present and Perspectives", București, 24-28 April **2001**.

- **Scientific papers presented at national conferences**

1. **L. Șerbănescu**, *O metodă de optimizare a proceselor din industrie*, Analele Universității Hyperion, Facultatea de Matematică-Informatică, Editura Victor, București, **2009**, ISSN 1842-919X.
2. M.A. Mateescu, F. Ghe. Filip, **L. Șerbănescu**, *Hybrid Solution for Modelling and Optimization of the Process in the Laboratory Activity Management CSCS-17*, 17th International Conference on Control Systems and Computer Science, May 26-29, **2009**, https://cscs17.ncit.pub.ro/program/Program_CSCS17.pdf, POLITEHNICA University of Bucharest.
3. **L. Șerbănescu**, F. Popențiu-Vlădicescu, *Tehnici informatice pentru modelare și optimizare utilizate in industria cimentului*, SIER, Sinaia, **2008** (www.sier.ro).
4. **L. Șerbănescu**, P. Popescu, *Integrated system for the measurement of the atmospheric pollution using spectral-photometric methods, for building and on line acces of resulted maps prezentată la "The 3rd International symposium on polar scientific research international polar year 2007-2009"*, București, **2008**.
5. **L. Șerbănescu**, G. Albeanu, F. Popențiu-Vlădicescu, M.Carlan , *A method for Optimizations of*

the complex - industrial processes, CNEE 2007, Sinaia, Nov 7-9, **2007**, pp. 1000-1007, ISSN 1843-6005, SIER Publishing.

6. M. Coarna, **L. Șerbănescu**, *Intelligent techniques for cement quality control - 9th Conference on science and engineering of oxide materials- CONSILOX*, ISBN 973-85559-8-1, vol. Inorg. Binders, 08-10 sept. **2004**, pp. 241-255, Sighisoara, Romania.
7. F. Popențiu-Vlădicescu, **L. Șerbănescu**, *The Computer Aided Pollution Control in Cement Plants by Probabilistic Safety Analysis*, FMSE - Baile Felix, Simpozionul national cu participare internationala: "Fiabilitatea si Mentenanta Sistemelor Electroenergetice", FMSE - Baile Felix, 7-8 Noiembrie **2002**, CD-ROM Edition.
8. R. Popescu, **L. Șerbănescu**, M. Mierla, C. Dumitrache, *Tehnici de preprocesare si procesare a imaginilor CCD in Pascal, C++ si IDL (CCD Image Pre-Processing and Processing in Pascal, C++ and IDL)*, Scientific Session of the Astronomical Institute, Bucharest, 10-12 May **2001**.

- **Papers published in journals recognized by CNCSIS (B, B +, C, D) and other journals (other than BDI / ISI)**

1. **L. SERBĂNESCU** *Quality Management System that Uses Auto-Tuning Fuzzy Controller*, European Journal of Research in Applied Sciences, Pages 20-23, Bucgharest **2015**
2. **L. Șerbănescu**, *A Representation Method for Astronomical Data Portability*, Romanian Astronomical Journal, Vol. 20, pag. 147-150 Editura Academiei, **2010**.
3. **L. Șerbănescu**, P. Popescu, *Software Technique for Some Pollution Measurements Using Astronomical Spectrophotometric Image Processing*, Romanian Astronomical Journal, Vol. 20, pag. 151-156, Editura Academiei, **2010**.
- **L. Șerbănescu**, *The optimal information system contained in the digitized photographic plates and CCD*, Workshop VIRTUAL OBSERVATORIES:"Plate Content Digitization, Archive Mining and Image Sequence Processing"April 27-30, 2005, SOFIA Auspices of COST Action 283: "Computational and information infrastructure in theAstronomical DataGrid" (HERON PRESS SCIENCE SERIES , p.335-337, issued in **2006**), **HERON PRESS**, ISBN-10: 954-580-190-5, ISBN-13: 978-954-580-190-7.
- **L. Șerbănescu**, C. Toma, Galoiu, A. Șerban, *Software techniques for analyzing celestial objects found on photographic plates*, Romanian Astronomical Journal 15, **2005**, Supplement (Proceedings of the Scientific Session "Astrometry with Small Telescopes", Bucharest, 22-23 October 2004).
- **L. Șerbănescu**, M. Caramihai, *Digital plate data pre-processing using fuzzy techniques*, Romanian Astronomical Journal 15, **2005**, Supplement (Proceedings of the Scientific Session "Astrometry with Small Telescopes", Bucharest, 22-23 October 2004).
- F. Popențiu-Vlădicescu, **L. Șerbănescu**, *Software system for controlling the pollution dynamics in the cement plants - a NATO research project*, OptimumQ, Vol. 1-2-3/2003, p. 73-80, ISSN: 1220-6598, **2003**.
- F. Popențiu-Vlădicescu, **L. Șerbănescu**, *Studiu asupra fiabilității managementului din laboratoarele de analize si incercari*, OptimumQ nr 1-2(2002), p. 53-59, ISSN: 1220-6598, **2002**.