

## Curriculum vitae Europass



### Personal information

First names / Surname

**Lucian Mircea Sasu**

Address

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E-mail

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Nationality

Romanian

Date of birth

2 August 1977

Gender

Male

### Work experience

Dates

2008-2011

Occupation or position held

Software developer at the Informatics Development Department, Transilvania University of Braşov

Main activities and responsibilities

Developing and maintaining various IT applications: the Alumni site, students management applications, students admittance etc

Name and address of employer

Transilvania University of Braşov

Dates

January 2006 – September 2006

Occupation or position held

Software developer

Main activities and responsibilities

Creating Microsoft-based web sites and applications, Enterprise applications architecting, adding new functionalities or improving existing applications, application integration

Name and address of employer

Dynamic Ventures, Olteţ Street no. 9, 500152 Braşov, <http://www.dyve.com>

Dates

2005- at present

Occupation or position held

Lecturer

Main activities and responsibilities

**Holding courses:** *Artificial Intelligence, Computational Intelligence, Introduction to Data Mining, Advanced Programming Techniques, Enterprise software architecture, etc*  
**Research:** *artificial neural networks, machine learning, data mining*

Name and address of employer

Transilvania University of Braşov, Faculty of Mathematics and Informatics, Department of Informatics

Dates

October 2003 – March 2005

Occupation or position held

Software developer

Main activities and responsibilities

Software development with Java and Oracle

Name and address of employer

S.C. Unicarte Com. Rom SRL, Braşov, now [Synertrade](#)

Dates

2002-2005

Occupation or position held

Teacher assistant

Main activities and responsibilities

**Holding laboratories:** *Graph theory, Operating Systems, Computer Networks, Databases, Object oriented programming, etc*  
**Research:** *artificial neural networks, machine learning, data mining*  
**Supervisor:** *more than 50 graduation thesis (both for M.Sc. and for B.Sc. degrees)*

Name and address of employer

Transilvania University of Braşov, Faculty of Mathematics and Informatics, Department of Informatics

Dates

October 2000 – September 2002

Occupation or position held

Instructor

Main activities and responsibilities

Same as for T.A.

Name and address of employer	Transilvania University of Braşov, Faculty of Mathematics and Informatics, Department of Informatics									
<b>Education and training</b>										
Dates	2000-2006									
Title of qualification awarded	Ph.D. degree in Computer Science									
Principal subjects/occupational skills covered	Artificial neural networks, machine learning, data mining.									
Name and type of organisation providing education and training	Transilvania University of Braşov, Faculty of Electrical Engineering and Computer Science									
Dates	2000-2001									
Title of qualification awarded	Ms.C.: „Algorithms and software products”									
Principal subjects/occupational skills covered	Algorithms, software techniques, approximation algorithms									
Name and type of organisation providing education and training	Transilvania University of Braşov, Faculty of Mathematics and Informatics									
Dates	1996-2000									
Title of qualification awarded	Bs.C. in Informatics									
Principal subjects/occupational skills covered	Algorithms, databases, programming languages, software development									
Name and type of organisation providing education and training	Transilvania University of Braşov, Faculty of Sciences									
<b>Personal skills and competences</b>										
Mother tongue	<b>Romanian</b>									
Other languages										
Self-assessment										
<i>European level (*)</i>										
<b>English</b>										
<b>French</b>										
Organisational skills and competences	<p>Responsible with maintaining the relationship between Faculty of Mathematics and Informatics and the economical partners (companies and technical communities);</p> <p>Main organizer of multiple technical presentations held by various IT companies in our faculty;</p> <p>Mentoring: “Imagine Cup” competition</p> <p>Member of Faculty Council;</p> <p>Organizing member of the International Conference on Mathematics and Computer Science, June 26-28 2014, Braşov, Romania;</p> <p>Technical committee member of conference ICCCC 2012,  <a href="http://icccc.univagora.ro/organization/program-committee">http://icccc.univagora.ro/organization/program-committee</a></p>									
Driving licence	Category B									
<b>Prizes</b>	<ul style="list-style-type: none"> <li>2nd prize at the National Informatics Contest, November 1997, Craiova, Romania (team contest)</li> <li>National prize for research results, PNII-type project “National plan for research, development and innovation 2007-2013”, 2013</li> </ul>									

(\*) [Common European Framework of Reference for Languages](#)

# Lista lucrărilor relevante

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1. Mădălina Cosmina Popescu; Lucian Mircea Sasu, “Feature extraction, feature selection and machine learning for image classification: A case study”, *2014 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM)*, pp 968-973.
2. Andonie Răzvan; Fabry-Asztalos Levente; Lucian Sasu, “Bayesian ARTMAP Prediction of Biological Activities for Potential HIV-1 Protease Inhibitors using A Small Molecular Dataset”, *Proceedings of the IEEE Symposium on Computational Intelligence and Computational Biology (CIBCB 2014)*, May 21-24, 2014, Honolulu, Hawaii, USA, 1-8.
3. Lucian Sasu; Andonie Răzvan; “Bayesian ARTMAP for Regression”, *Neural Networks*, 46, 2013, pp. 23-31.
4. Lucian Sasu; Andonie Răzvan; “Function Approximation with ARTMAP Architectures”, *International Journal of Computers, Communications & Control*, 7, 2012, 957-967, ISSN 1841-9836.
5. Florea, Ion; Sasu, Lucian, “An Algorithm for Simulation of Waiting Systems with Different Types and Variable Number of Parallel Working Stations Each Having its Own Queue” *STUDIES IN INFORMATICS AND CONTROL*, 2012, Volume: 21 Issue: 3 Pages: 333-340
6. Andonie Răzvan; Lucian Sasu; Cațaron Angel, “A Novel Fuzzy ARTMAP Architecture with Adaptive Feature Weights based on Onicescu’s Informational Energy”, *International Journal of Computers, Communications & Control*, 4, 2009, 104-117, ISSN 1841-9836.
7. Andonie Răzvan; Cațaron Angel; Lucian Sasu, “Fuzzy ARTMAP with Feature Weighting”, *Proceedings of the IASTED International Conference on Artificial Intelligence and Applications (AIA 2008)*, A. Gammerman (ed.), Innsbruck, Austria, Febr. 11-13, 2008, ACTA Press, ISBN 978-0-88986-709-3, 91-96

8. Andonie Răzvan; Sasu Lucian, “Fuzzy ARTMAP with Input Relevances”, *IEEE Transactions on Neural Networks*, 17, 2006, 929-941
9. Andonie Răzvan; Sasu Lucian, “Convergence Properties of a Fuzzy ARTMAP Network”, *Proceedings of the 12th European Symposium on Artificial Neural Networks (ESANN'2004)*, M. Verleysen (ed.), Bruges, Belgium, April 28-30, 2004, 495-500.
10. Andonie R., Sasu L. “A Fuzzy ARTMAP Probability Estimator with Relevance Factor”, *Proceedings of the 11<sup>th</sup> European Symposium on Artificial Neural Networks (ESANN 2003)*, M. Verleysen (ed.), Bruges, Belgium, April 23-25, 2003, 367-372.

## Teza de doctorat

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Computational Intelligence Techniques in Data Mining (Explorarea datelor prin tehnici de inteligență computațională)

Coordonator: Prof. univ. dr. mat. Răzvan Andonie

Universitatea Transilvania din Brașov, Facultatea de Inginerie electrică și Știința Calculatoarelor, 2006

## Cărți publicate

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1. Andonie R., Cațaron A., Galmeanu H., Ivanovici M., Sasu L. “Algoritmi și structuri de date: Aplicații în procesarea de imagini și bioinformatică – Note de curs”, Editura Universității Transilvania, Brașov, România, 2013, ISBN 978-606-19-0206-4.
2. Andonie R., Cațaron A., Gaspar Z., Galmeanu H., Ivanovici M., Lorentz I., Sasu L. “Algoritmi și structuri de date: Aplicații în procesarea de imagini și bioinformatică” Editura Universității Transilvania, Brașov, România, 2012, ISBN 978-606-19-0058-9.

3. Sasu, Lucian, “Introducere în limbajul C#”, Editura Universității Transilvania, Brașov, România, 2009, ISBN 978-973-598-482-3

4. Florea Ion, Sasu Lucian, “Rețele de calculatoare – concepte fundamentale” Editura Universității Transilvania, Brașov, România, 2004, ISBN 973-635-334-6

## Publicații în conferințe internaționale

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1. Septimiu Nechifor; Bogdan Târnaucă; Lucian Sasu; Dan Puiu; Anca Petrescu; Joachim Teutsch; Walter Waterfeld; Florin Moldoveanu; “Autonomic monitoring approach based on CEP and ML for logistic of sensitive goods”, *2014 18th International Conference on Intelligent Engineering Systems (INES)*, pp.67-72, 3-5 July 2014.

2. Bogdan Târnaucă, Florin Moldoveanu, Constantin Suciu, Lucian-Mircea Sasu, Dan Puiu, “Integration of Model Based Prediction into Complex Event Processing Applications”, *6th Győr Symposium and 3rd Hungarian-Polish and 1st Hungarian-Romanian Joint Conference on Computational Intelligence*, Győr, 2014

3. Andonie R., Sasu L., Beiu V. “Fuzzy ARTMAP with Relevance Factor”, *Proceedings of the International Joint Conference on Neural Networks (IJCNN 2003)*, <http://ieeexplore.ieee.org/xpl/conhome.jsp?punumber=1000500> Portland, Oregon, July 20-24, 2003, 1975-1980.

4. Andonie R., Sasu L., Beiu V. “A Modified Fuzzy ARTMAP Architecture for Incremental Learning Function Approximation”, in: *Neural Networks and Computational Intelligence*, O. Castillo (ed.), Anaheim, California, ACTA Press, *Proceedings of the IASTED International Conference on Neural Networks and Computational Intelligence (NCI 2003)*, <http://www.iasted.org/conferences/pastinfo-389.html>, Cancun, Mexico, May 19-21, 2003, 124-129.

5. Cătaron A., Sasu L. Andonie R. “The Impact of Feature Weighting on the Fuzzy ARTMAP Neural Network”, *Bulletin of the Transylvania University of Brașov, Series A*, 14, 2007, 215-222, ISSN 1223-964X

6. Danciu, Daniel; Sasu, Lucian Mircea, Solving the timetable problem with multiple constraints using genetic algorithms., *Orman, Gabriel V. (ed.) et al., Proceedings of the 2nd international conference on symmetry and antisymmetry in mathematics, formal languages and computer science*, satellite conference of 3ECM, Brasov, Romania, June 29-July 1, 2000. 137-145 (2000)