

# Curriculum Vitae

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## Education

- September 1996 – June 2000 National College "Carol I", Craiova
- October 2000 – June 2005 University of Craiova  
Faculty of Automation, Computers and  
Electronics, Software Engineering Department
  - Excellence Diploma awarded for overall activity and graduation at the top of the year
- October 2005 – June 2007 Software Engineering Master studies  
Faculty of Automation, Computers and Electronics,  
University of Craiova
- October 2005 – present Ph.D. studies under joint coordination  
University of Craiova and University of Technology of  
Compiègne, France

## International schools

- EIAH 2007 – 5th thematic school on learning environments organized by the French National Center for Scientific Research ("5ème école thématique du CNRS sur les EIAH - Personnalisation des EIAH"), 7-12 July 2007, Saint Quentin sur Isère, France

## Teaching experience

- October 2005 – February 2008 – Junior teaching assistant at the Faculty of Automation, Computers and Electronics, University of Craiova, Software Engineering Department
- March 2008 – present – Teaching assistant at the Faculty of Automation, Computers and Electronics, University of Craiova, Software Engineering Department
  - Web Applications' Design (2008/2009)
  - Multimedia Techniques for E-Learning (2008/2009)
  - Electronic Commerce (2006/2007, 2007/2008, 2008/2009)
  - Artificial Intelligence (2005/2006, 2006/2007, 2007/2008)
  - Visual Programming Environments (2007/2008, 2008/2009)
  - Object Oriented Programming (2006/2007)
  - Knowledge, Communication and Internet (2005/2006)

## Publications

### *Papers in peer-reviewed scientific journals*

- **Elvira Popescu**, Costin Badica, Philippe Trigano, *Learning Objects' Architecture and Indexing in WELSA Adaptive Educational System*, Scalable Computing: Practice and Experience, Vol. 9(1), ISSN 1895-1767, pp. 11-20, 2008. [DOAJ, Collection of Computer Science Bibliographies]
- Costin Badica, Amelia Badica, **Elvira Popescu**, Ajith Abraham, *L-Wrappers: Concepts, Properties and Construction: A Declarative Approach to Data Extraction from Web Sources*, Soft Computing - A Fusion of Foundations, Methodologies and Applications, Vol. 11, No. 8/June, Springer Berlin / Heidelberg, ISSN: 1433-7479, pp. 753-772, 2007. [ISI, DBLP, Inspec]
- **Elvira Popescu**, Amelia Badica, Costin Badica, *Mining Travel Resources on the Web Using L-Wrappers*, Lecture Notes in Artificial Intelligence, Vol. 4029, Springer, ISSN: 0302-9743, pp. 1199-1208, 2006. [DBLP, Inspec, Scopus, SpringerLink]
- Philippe Trigano, **Elvira Popescu**, Ecaterina Giacomini, *Creating and Implementing Project-Based E-Learning Scenarios*, Annals of the University of Craiova, Automation, Computers, Electronics and Mechatronics Series, Vol. 3 (30), No. 2, Universitaria Press, Craiova, Romania, ISSN: 1841-0626, pp. 195-204, 2006.
- Costin Badica, Amelia Badica, **Elvira Popescu**, *Tuples Extraction from HTML Using Logic Wrappers and Inductive Logic Programming*, Advances in Web Intelligence, Lecture Notes in Artificial Intelligence, vol. 3528, Springer-Verlag, ISSN: 0302-9743, pp.44-50, 2005. [ISI, DBLP, Inspec, Scopus, SpringerLink]
- **Elvira Popescu**, *Modelling Units of Learning: A Practical Exploration of IMS Learning Design*, ELSE Software Journal, no. 24/XII, Sitech Press, Craiova, Romania, ISSN: 1221-4469, pp. 24-33, 2005.
- Razvan Tanasie, **Elvira Popescu**, Daniel Nistor, *An approach to formal specification by concrete examples*, ELSE Software Journal, no. 25/XII, Sitech Press, Craiova, Romania, ISSN: 1221-4469, pp. 107-127, 2005.

### *Book chapters*

- Costin Badica, Amelia Badica, **Elvira Popescu**, *Using Logic Programming and XML Technologies for Data Extraction from Web Pages*, Dariusz Król and Ngoc Thanh Nguyen (Eds.): Intelligence Integration in Distributed Knowledge Management, Information Science Reference, ISBN: 978-1-59904-576-4, 2008.

### *Papers in conference proceedings*

- **Elvira Popescu**, *An Artificial Intelligence Course Used to Investigate Students' Learning Style*, Proceedings ICWL 2008, Lecture Notes in Computer Science, Vol. 5145, pp. 122-131, Springer, ISBN 978-3-540-85032-8, 2008. [DBLP, SpringerLink]
- **Elvira Popescu**, Costin Badica, Philippe Trigano, *Analyzing Learners' Interaction with an Educational Hypermedia System: a Focus on Learning Styles*, Proceedings SAINT2008 (workshop SPeL), pp. 321-324, IEEE Computer Society Press, ISBN: 978-0-7695-3297-4, 2008. [DBLP, IEEE CSDL]
- **Elvira Popescu**, Philippe Trigano, Costin Badica, *Relations between Learning Style and Learner Behavior in an Educational Hypermedia System: An Exploratory Study*, Proceedings ICALT 2008, pp. 725-726, IEEE Computer Society Press, ISBN: 978-0-7695-3167-0, 2008. [Inspec, IEEEExplore]

- **Elvira Popescu**, *Une analyse exploratoire des corrélations entre les traces des apprenants et leurs styles d'apprentissage*, Proceedings RJC-EIAH, Lille, France, 15 – 16 May 2008, pp. 119-124, 2008.
- **Elvira Popescu**, Philippe Trigano, Costin Badica, *Intégrer les styles d'apprentissage dans les EIAHs*, Proceedings CIFA 2008, ISBN: 978-2-915913-24-8, 2008.
- **Elvira Popescu**, Philippe Trigano, Costin Badica, Bogdan Butoi, Marius Duica, *A Course Authoring Tool for WELSA Adaptive Educational System*, Proceedings ICCS 2008, pp. 531-534, ISBN: 978-973-746-897-0, 2008.
- Costin Badica, **Elvira Popescu**, Grzegorz Frackowiak, Maria Ganzha, Marcin Paprzycki, Michal Szymczak, Myon-Woong Park, *On Human Resource Adaptability in an Agent-Based Virtual Organization*, New Challenges in Applied Intelligence Technologies, Studies in Computational Intelligence Series, Vol. 134, pp. 111-120, Springer, ISBN: 978-3-540-79354-0, 2008. [DBLP, Scopus, SpringerLink]
- **Elvira Popescu**, Costin Badica, Philippe Trigano, *Description and Organization of Instructional Resources in an Adaptive Educational System Focused on Learning Styles*, Advances in Intelligent and Distributed Computing, Studies in Computational Intelligence Series, Vol. 78, pp. 177-186, Springer, ISBN: 978-3-540-74929-5, 2008. [SpringerLink]
- Adriana Dobriceanu, Laurentiu Biscu, Costin Badica, **Elvira Popescu**, *Considerations on the Design and Implementation of an Agent-Based Auction Service*, Advances in Intelligent and Distributed Computing, Studies in Computational Intelligence Series, Vol. 78, pp. 75-84, Springer, ISBN: 978-3-540-74929-5, 2008. [SpringerLink]
- **Elvira Popescu**, Philippe Trigano, Mircea Preda, *Data Requirements for Detecting Student Learning Style in an Educational Hypermedia System*, Proceedings of the European Computing Conference - Volume 2, Series: Lecture Notes in Electrical Engineering, Vol. 28, Springer, ISBN: 978-0-387-84818-1, 2009. [SpringerLink]
- **Elvira Popescu**, Philippe Trigano, Costin Badica, *Towards a Unified Learning Style Model in Adaptive Educational Systems*, Proceedings ICALT 2007, pp. 804-808, IEEE Computer Society Press, ISBN: 978-0-7695-2916-5, 2007. [ISI Proc., DBLP, Inspec, Scopus, IEEEExplore, IEEE CSDL]
- **Elvira Popescu**, Philippe Trigano, Costin Badica, *Adaptive Educational Hypermedia Systems: A Focus on Learning Styles*, Proceedings EUROCON 2007, pp. 2473-2478, IEEE Press, ISBN: 1-4244-0813-X, 2007. [Inspec, Compendex, Scopus, IEEEExplore]
- **Elvira Popescu**, Costin Badica, Philippe Trigano, *Rules for Learner Modeling and Adaptation Provisioning in an Educational Hypermedia System*, Proceedings SYNASC 2007 (workshop RuleApps), pp. 492-499, IEEE Computer Society Press, ISBN: 0-7695-3078-8, 2007. [Inspec, Scopus, IEEEExplore, IEEE CSDL]
- M. Ganzha, M. Paprzycki, M. Gawinecki, M. Szymczak, G. Frackowiak, C. Badica, **E. Popescu**, M-W. Park, *Adaptive Information Provisioning in an Agent-Based Virtual Organization – Preliminary Considerations*, Proceedings SYNASC 2007 (workshop ACSys), pp 235-242, IEEE Computer Society Press, ISBN: 0-7695-3078-8, 2007. [Inspec, Scopus, IEEEExplore, IEEE CSDL]
- **Elvira Popescu**, Philippe Trigano, Costin Badica, *Approaches to Adaptivity Provisioning in E-learning Systems*, Proceedings ITHET 2007 (the 8th International Conference on Information Technology based Higher Education and Training), Kumamoto, Japan, 10-13 July 2007, pp. 536-540, 2007.
- Amelia Badica, Costin Badica, **Elvira Popescu**, *Application of Logic Wrappers to Hierarchical Data Extraction from HTML*, EPIA Workshops 2007 (13<sup>th</sup> Portuguese Conference on Artificial Intelligence), Lecture Notes in Computer Science, Vol. 4874, pp. 43-52, Springer, ISBN: 978-3-540-77000-8, 2007. [ISI Proc., DBLP, Compendex, Scopus, SpringerLink]
- Amelia Badica, Costin Badica, **Elvira Popescu**: *Using Logic Wrappers to Extract Hierarchical Data from HTML*, In: K.M. Wegrzyn-Wolska and P.S. Szczepaniak (Eds.):

- Adv. in Intel. Web, Advances in Soft Computing, Vol. 43, pp. 114–119, Springer, ISBN: 978-3-540-72574-9, 2007. [SpringerLink]
- Maria Ganzha, Marcin Paprzycki, **Elvira Popescu**, Costin Badica, Maciej Gawinecki, *Agent-Based Adaptive Learning Provisioning in a Virtual Organization*, Proceedings of the 5th Atlantic Web Intelligence Conference – AWIC'2007, Advances in Soft Computing, Springer, Vol. 43, ISBN: 978-3-540-72574-9, 2007. [SpringerLink]
  - **Elvira Popescu**, Philippe Trigano, Costin Badica, *Evaluation of a Learning Management System for Adaptivity Purposes*, Proceedings ICCGI 2007, IEEE Computer Society Press, ISBN: 0-7695-2798-1, pp 9.1-9.6, 2007. [IEEE CSDL]
  - Elena Doicaru, Ileana Nicolae, **Elvira Popescu**, *E-SSAF – A Powerful E-Learning Tool for State-Space OA-RC and Gm-C Continuous Time Filter Synthesis*, New Horizons in Education and Educational Technology. Proceedings of 6th WSEAS International Conference on Education and Educational Technology, ISBN: 978-960-6766-16-9, pp. 1-6, 2007. [ISI Proc., INSPEC]
  - **Elvira Popescu**, Philippe Trigano, Costin Badica, *eDalgo: Designing Personalized Courseware for Teaching Introductory Programming*, D. Popescu, O. Bonnaud, M. Hoffmann, J.-M. Thiriet (Eds.): Proceedings EAEEIE 17, Universitaria Press, Craiova, ISBN: 978-973-742-350-4, pp.290-295, 2006.
  - Amelia Badica, Costin Badica, **Elvira Popescu**, *Implementing Logic Wrappers Using XSLT Stylesheets*, P.Dini, C. Poporviciu, C. Dini, G. Van de Velde, E. Borcoci (Eds.): Proceedings ICCGI 2006, IEEE Computer Society Press, ISBN: 0-7695-2629-2, 2006. [Inspecc, Scopus, IEEE CSDL]
  - Costin Badica, Amelia Badica, **Elvira Popescu**, *A New Path Generalization Algorithm for HTML Wrapper Induction*, Proceedings AWIC'06, Studies in Computational Intelligence Series, vol. 23, Springer Berlin / Heidelberg, ISBN: 978-3-540-33879-6, pp. 11-20, 2006. [DBLP, Scopus, SpringerLink]
  - Ecaterina Giacomini Pacurar, Philippe Trigano, **Elvira Popescu**, Paul Crubillé, *Creating Online Courses Models Conforming to IMS Learning Design*, Khaldoun Zreik, Mohammed Ramdani, Mohamed El Adnani, Mostafa Bellafkih (eds) : “Human System Learning. Who is in control ? (Proceedings ICHSL.5/CAPS.5)”, Europia - Publishers, Paris, France, ISBN: 2-909285-33-2, pp. 347-360, 2005.
  - Philippe Trigano, Ecaterina Giacomini, **Elvira Popescu**, *An Approach to Designing Predefined Models of Pedagogical Scenarios for E-learning*, Lungu M., Badica C. (eds): Proceedings SINTES 12, Universitaria Press, Craiova, Romania, ISBN: 973-742-148-5, pp 668-673, 2005.
  - Costin Badica, **Elvira Popescu**, Amelia Badica, *Learning Logic Wrappers for Information Extraction from the Web*, Papazoglou M., Yamazaki, K. (eds.) Proceedings SAINT'2005 (Workshop on Computer Intelligence for Exabyte Scale Data Explosion), IEEE Computer Society Press, ISBN: 0-7695-2263-7, pp.336-339, 2005. [ISI Proc., DBLP, Inspecc, IEEEExplore, IEEE CSDL]

### **Other papers and talks**

- **Elvira Popescu**, *Adaptive Educational Hypermedia Systems: Student Modelling with Respect to Learning Styles*, poster presented at EIAH 2007 (thematic school on learning environments), 7-12 July 2007, Saint Quentin sur Isère, France
- Costin Badica, Amelia Badica, **Elvira Popescu**, *Using Logic Programming and XML Technologies for Data Extraction from Web Pages*, presented at the DoC research seminar, HEUDIASYC Laboratory, University of Technology of Compiègne, France, 20 November 2007.
- **Elvira Popescu**, *User modeling: methods and techniques specific for e-learning*, Internal research report, University of Craiova, Romania, 29 June 2007.

- **Elvira Popescu**, *Adaptive technologies in intelligent web-based educational systems*, Internal research report, University of Craiova, Romania, 6 November 2007.
- A. Benmimoun, A. Ferret, P. Josse, **E. Popescu**, *Rapport Comparatif: Moodle, Dokeos, Claroline, NetUniversité et Scenari*, Technical report, University of Technology of Compiègne, May 2006.
- **Elvira Popescu**, *Sisteme hipermedia dinamice adaptive pentru e-learning*, presented at the Software Engineering Department research seminar, University of Craiova, Romania, 12 December 2006.
- **Elvira Popescu**, *Adaptive educational hypermedia systems for e-learning*, Internal research report, University of Craiova, Romania, 31 October 2006.

## Research grants

### *As grant director*

- *Study, design and implementation of an adaptive intelligent web-based system for e-learning*, grant CNCSIS TD, code 167, duration: 2007-2008, financed by the Romanian Ministry of Education and Research - CNCSIS, amount: 61 000 RON.

### *As member in the research team*

- *eDalgo - eDidactique de l'Algorithmique. Support interactif de cours pour l'apprentissage autonome de l'algorithmique et de la programmation*, interuniversity scientific cooperation program (University of Craiova, University of Technology of Compiègne, France, National Informatics Institute, Algeria, High Commercial Studies Institute, Tunisia), ref. 6316PS635, project responsible: Prof. Costin Badica, duration: 2006-2007, financed by AUF (l'Agence Universitaire de la Francophonie), amount: 20 000 €.
- *HIPERPROC: Hypermedia techniques for knowledge based representation of organizational processes*, grant CNCSIS 94/2005, grant director: Prof. Costin Badica, duration: 2005-2007, financed by the Romanian Ministry of Education and Research - CNCSIS, amount: 640 000 000 ROL.
- *Adaptive web recommender systems based on knowledge represented by logical programs*, grant CNCSIS AT 102/2007, grant director: Lecturer Mircea Preda, duration: 1 year (2007), financed by the Romanian Ministry of Education and Research - CNCSIS, amount: 20 000 RON.
- *Stability and oscillations in the dynamic of human-machine systems*, grant IDEI 95/01.10.2007, grant director: Prof. Vladimir Rasvan, duration: 3 years (2007 – 2010), financed by MEDC-CNCSIS, amount: 821 276 RON.
- *Development of software tools for designing analogue microcircuits*, grant CNCSIS A, code 602, grant director: Conf. Milena Doicaru, duration: 2007 – 2008, financed by the Romanian Ministry of Education and Research - CNCSIS, amount: 169 288 RON.
- *System of analysis and computation of polluted electrical network signals and active filter command for harmonics compensation*, grant CEEX 4049/2006, grant director: Scientific Researcher Eng. Ana Iacob, duration: 2006-2008, financed by the Romanian Ministry of Education and Research, amount 244.400 RON (for University of Craiova)
- *Pilot – helicopter coupling prevention in critical manoeuvres at the board of ships and marine platforms - ELICOMNAV*, grant CEEX 449/06.11.2006, scientific responsible for University of Craiova: Prof. Dan Popescu, duration: 2006-2008, amount: 60 000 RON.
- *Harmonics filtering-compensation equipment for oil-drilling stations*, grant RELANSIN no. 2122/11.10.2004, contractor: ICMET, partner: University of Craiova, scientific responsible:

Prof. Dan Popescu, duration: 2004-2006, financed by the Romanian Ministry of Education and Research, amount: 200 000 000 ROL.

- *Nonstandard dynamics in delay systems – Studies and simulated experiments*, grant no. 33062/24.06.2004, theme 10, no. 34677/2005, theme 25, CNCSIS code 318, grant director: Prof. Dan Popescu, duration: 2004-2005, financed by the Romanian Ministry of Education and Research – CNCSIS, amount: 410 000 000 ROL.

## Scholarships

- Research scholarship for young doctoral students (Bd type), financed by CNCSIS (Romanian National University Research Council) (2006 – 2008)
- Research scholarship at HEUDIASYC Laboratory, University of Technology of Compiègne, France, financed by AUF (Agence Universitaire de la Francophonie) in the framework of *eDalgo* project (March – May 2007)
- Research scholarship at HEUDIASYC Laboratory, University of Technology of Compiègne, France, granted by the Romanian Ministry of Education and Research (MEdC - CNBSS) (March – May 2006)
- Erasmus/Socrates scholarship at HEUDIASYC Research Laboratory, University of Technology of Compiègne, France (March 2005 – May 2005)
- Performance scholarship for remarkable results during the master studies, granted by the University of Craiova (2005/2006, 2006/2007)
- Performance scholarship for remarkable results during the undergraduate studies, granted by the University of Craiova (2002/2003, 2003/2004, 2004/2005)

## Awards

- “Best Poster” Award at the IEEE EUROCON 2007 conference (Warsaw, Poland, 9-12 September 2007)
- Honor Diploma awarded by the Senate of the University of Craiova, Romania, for the teaching and research activity (on the 60<sup>th</sup> anniversary of the University – 1 October 2007)

## Affiliations

- Member of IEEE (Computer Society, Education Society, Women in Engineering Society) – since 2006
- Member of SRAIT (Romanian Society of Automation and Technical Informatics) – since 2005
- Member of EAEEIE (European Association for Education in Electrical and Information Engineering) – since 2008
- Member of ACM – since 2008

## Other professional responsibilities

- Workshop Organizer and PC Chair for the SAINT 2008 International Workshop on Social and Personal Computing for Web-Supported Learning Communities (SPeL 2008), Turku, Finland, 28 July – 1 August 2008.
- Program Committee member: International Workshop on Adaptivity and Personalization in Ubiquitous Learning Systems (APULS 2008) at the 4th Symposium: USAB 2008, Graz,

Austria, November 18-21, 2008; International Workshop on Cognitive Aspects in Intelligent and Adaptive Web-based Educational Systems (CIAWES 2008) at the 16th International Conference on Computers in Education, Taipei, Taiwan, October 27 - 31, 2008; 7<sup>th</sup> WSEAS Intl. Conference on Education and Educational Technology (EDU '08), Venice, Italy, November 21-23, 2008; IADIS e-Society 2009, Barcelona, Spain, February 26-28, 2009.

- Session Chair: 7<sup>th</sup> IEEE International Conference on Advanced Learning Technologies (ICALT 2007), Niigata, Japan, 18-20 July 2007; International Carpathian Control Conference (ICCC'2008), Sinaia, Romania, 25-28 May 2008; SPeL 2008 Workshop, Turku, Finland, 28 July - 1 August 2008; 7<sup>th</sup> International Conference on Web-based Learning (ICWL 2008), Jinhua, China, 20-22 August 2008.
- Coeditor of Annals of the University of Craiova, Automation, Computers, Electronics and Mechatronics Series, Vol. 3 (30), No. 2, Universitaria Press, Craiova, Romania, ISSN: 1841-0626, 2006.
- Reviewing activities: International Journal of Software Engineering and Knowledge Engineering (IJSEKE), ICIC 2007, 2008 (International Conference on Intelligent Computing), IEEE Africon 2007, WSEAS International Conference on Artificial Intelligence, Knowledge Engineering and Databases (AIKED '08), FIE 2008 (The 38th Annual Frontiers in Education Conference), Knowledge Generation, Communication and Management (KGCM 2008), American Computing Conference 2008 (ACC '08)
- Member of the International Organizing Committee of the 9th International Carpathian Control Conference (ICCC'2008), 25-28 May 2008, Sinaia, Romania.
- Member of the Local Organizing Committee for the International Symposium on Intelligent and Distributed Computing - IDC'2007, 18-19 October 2007, Craiova, Romania