



LENUTA ALBOAIE

Associate Professor



Faculty Of Computer Science, General Berthelot 16 700483 IAȘI, Romania



+40-742112712



adria@info.uaic.ro



<http://www.info.uaic.ro/~adria>

Nationality Romanian | **Date of birth** December 29, 1979 | **Sex** Female

WORK EXPERIENCE



- **Associate Professor (since October 2013), Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi, Romania**
- **Lecturer** (September 2011-September 2013), Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi, Romania
- **Assistant Professor** (June 2009 – August 2011), Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi, Romania
- **Analyst Programmer** (April 2011-July 2012), S.C. The Red Point S.A. - IT Company, Iasi Branch, Romania
- **Preparatory Professor** (February 2007 - June 2009), Faculty of Computer Science
- **Researcher and Analyst Programmer** (June 2004 - January 2007), S.C. Axiologic Research SRL - IT company, Iasi, Romania
- **Research Assistant** (April 2003 - April 2004), Institute of Computer Science, Romanian Academy, Iasi Branch, Romania

Occupation or position held

Main activities and responsibilities

Name and Address of employer

Type of business or sector

Associate Professor

Teaching and Research

Alexandru Ioan Cuza University of Iasi, Faculty of Computer Science, General Berthelot, 16, 700483 Iasi, Romania

Education, Research in Computer Science

ACTIVITIES TYPE



Teaching

- **Cloud Computing** - course and practical works (undergraduate, 3rd year) - Faculty of Computer Science, Alexandru Ioan Cuza University Iasi, (2011-2019)
- **Concurrent and Distributed Computing** - course and practical works (master, 2nd year) - Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi (2012-2019)
- **Computer Networks** – course (undergraduate, 2nd year) - Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi (2009-2018), practical works (2005-2019)

In the past:

- **Web Application Development** - practical works (master, 2nd year) - Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi (2009-2014);

- **Web Technologies**, Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi (2006 - 2011) – practical works (undergraduate, 2nd year) ;
- **User Interface Programming** (2002-2004), practical works (undergraduate, 3rd year), Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi;
- **Introduction to Computers - Basic Elements** (2002 - 2004), Faculty of Theology - Course and practical works, Alexandru Ioan Cuza University of Iasi
- **Operating Systems** (2003-2004, 2005)- practical works (undergraduate, 2nd year), Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi
- **C Programming** (2002-2003) - practical works (undergraduate, 1st year), Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi

Research

- More than **65 publications** in journals and volumes of national and international conferences, 4 books, 1 book chapter (see Annex below)
- **16 research/structural/mobility and cooperation projects**
- Coordinator of **Applied Distributed Systems Research Group**, Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi (<https://profs.info.uaic.ro/~ads/>, 2016-2018)
- Member of the program committee of national and international conferences and journals

Awards for research activities

- **Woman's Annual Science and Technology Distinction for Young Researchers** for outstanding achievements in scientific research, Center for Gender Equality in Science, Iasi, Romania, 2014
- **CNCSIS Prizes** 637, 789 for research papers "Semantic Integrity Control in the Database Layer of year e-Health System", "An Automatic Recognition Approach Within the User Reputation System Using a Nonlinear Hausdorff Metric Derived", 2009

Research contracts

Projects - Status – ongoing

- **PrivateSky – Experimental Development in Private-Public Partnerships for the creation of Autochthone Cloud Based Platforms with Advanced Data Protection Characteristics**, Operational Program: Competitiveness 2014-2020, Priority Axis 1, Action 1.2.3, Project type: Partnership for Knowledge Transfer, Contract nr. 13/01.09.2016, SMIS 106611, ID P_40_371; Budget: 15.266.417,50 RON; Project co-funded by the European Regional Development Fund (2016-2021) - **Project Director**
- **WeldGalaxy: A Digital & Dynamic Knowledge Platform for Welding Industries**, European Union's Horizon 2020, Grant agreement 822106, WeldGalaxy partners: bTWI (UK), FundingBox Accelerator (Poland), Lulea Tekniska Universitet (Sweden), Ekon Modeling Software Systems Ltd (Israel), Romsoft SRL (Romania), Flowphys AS (Norway), Technovative Solutions Ltd (UK), Arteevo Technologies Ltd (Israel), Aeonx AI (France), University of Leicester (UK), University Politecnica de Madrid (Spain); Romsoft Budget: 347375 Euro; Total Project: 7500000 Euro(2018-2022) - **Project Member** (June 2019 - January 2020)

Projects - Status – Completed

- **Project Director**, Monitoring and assistance system for people with special needs (SIMAPS), Sectoral Operational Program "Increasing Economic Competitiveness" (POSCCE), Nr. 104/17.11.2014 Budget: 151200 RON, 2015
- **Member in the MUKE Project**, ERA-NET 2 CHIST-ERA/01.10.2012, Partners: Austria, Franta, Turcia; Project Title: MUKE - Multimedia and User Credibility Knowledge Extraction, Budget: 270796 Euro, 2012 -2015;
- **Project Director, PN II CI 168** – Cloud semantic engine for governmental heterogeneous information from multiple data sources, Program PN II: Inovare, Subprogram: Servicii suport pentru inovare – Cecuri de inovare, Project Budget: 44770 Ron, 2012-2013;
- **Project Director, Grant for Young Researchers**, Type: Human Resource (TD-160, 2007-2008)
- **Member of the PC-D 10 067 / 14.09.2007** "TELEMON - Advanced Real-Time System for Telemonitoring of Patients" - Partnership Program (PNCDI PN II) Research Grant (2007-2010)

Collaborations in research contracts

- **"Reducing Benefits in sports activities on school violence"**, Faculty of Physical Education and Sport, Faculty of Psychology and Educational Sciences, Alexandru Ioan Cuza University of Iasi, CNCSIS Grant Ideas ID 1146, Project Manager Prof. PhD. Ioan Iacob, 2007-2010 (<http://profs.info.uaic.ro/~adria/sp/>) - (Finalized with a Patent Invention Application to OSIM: Computer Product for Assessing School Violence, Authors: Ioan Iacob, Mihai Curelaru, Emil Budescu, Beatrice Abălașei, Lenuta Alboaie, RO129907 A1/Int.CI G06Q 50/00)
- **"Alternative Security Technologies for Distributed Applications"**, project ideas PN2 1083, Technical University of Cluj Napoca, 2009-2010

Institutional activities

- **Vice Dean** of Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi, 2014-2019
- **Founder of IT companies @FII Program** - IT Companies at FII (alias Facultatea de Informatica din Iasi) is a virtual place which highlights all the collaborations between the academic and industrial environment that is past, current or future collaborations (2012-2019) - <https://profs.info.uaic.ro/~itc2fii/collaborations.php>
- **Co-founder of WITChIS** group - Women in Information Technology of Iasi - <https://profs.info.uaic.ro/~witchis/> (2015-2019)
- Entrepreneurial Initiatives Programs: **Coordinator of Startup Europe Comes to Universities** (SEC2U) - Iasi (2016-2018, <https://profs.info.uaic.ro/~itc2fii/events/>), **Ambassador in Innovation Lab** (2017-2019, <https://www.innovationlabs.ro/whoweare>), **Co-organizer of BringItOn!** (2014, 2016, 2018 <http://bringiton.info.uaic.ro/>)
- Coordinator of the **renovation program with private funds** of seven laboratories (2016-2017) (Amazon, BitDefender, GeminiCAD Systems, AquaSoft, Centric, Levi9, Continental) and an amphitheater in 2018 (Centric, Cegeka, Codeless, CRF Health, GoDaddy, Levi9, Sevio, XWiki) from Faculty of Computer Science (beneficiaries 1600 students)
- Member of Academic-Industry consortium for ANIS Scholarship (Asociatia Patronala a Industriei de Software si Servicii), 2018 -2019
<https://www.anis.ro/burse-anis/#.W5mDqvIoSuk>

Awards for institutional activity

- **IT companies @FII - Best Academic Program of The Year**, Romanian Outsourcing Awards, Bucharest, Romania, 2015
- **Award for the entire activity**, PIN Awards - Regional Awards of IT & Outsourcing Industry, Iasi, Romania, 2017

EDUCATION



- **Habilitation Degree, April 2019**, University Alexandru Ioan Cuza University of Iasi
Thesis title: "Integration and Cloud Computing" (OMEN 3784/1.04.2019)
- **Ph.D. in Computer Science 2003-2009**, University Alexandru Ioan Cuza University of Iasi
Thesis title: "Studies on trust modeling and computation of reputation in online communities"
- **Graduation of Project Management course 2013**, CNFPA authorized and recognized by Romanian Ministry of Labor, Family and Social Protection and Ministry of Education, Research and Innovation
- **Graduation of "Formator de Formatori" course 2005**, CNFPA authorized and recognized by Romanian Ministry of Labor, Family and Social Protection and Ministry of Education, Research and Innovation
- **M. Sc. Degree in Distributed Computing 2002-2003**
Faculty of Computer Science, "Alexandru Ioan Cuza" University of Iasi
- **B.Sc. Degree in Computer Science at the Faculty of Computer Science 1998- 2002**
Alexandru Ioan Cuza University of Iasi
- **Technical College "Dimitrie Ghica" Comanesti, Bacau 1994-1998**

SCIENTIFIC SKILLS



Invitations to universities and/or other institutions

- **Teaching and Research collaboration activities**, Faculty of Informatics, Phuong Dong University, Hanoi, Vietnam, April 2018
- **Industry Collaborations – success stories and lessons**, Luxemburg University, October, 2017
- **Teaching and Research collaboration activities**, Faculty of Informatics, Shizuoka University, Hamamatsu, Japan, April 2017
- **Collaboration with industry on research and teaching activities**, (presentation) - Startup Europe Week 2016 – an initiative of the European Commission through the Startup Europe program - in partnership with the North East Regional Development Agency (ADR NordEst) and the Neamt Chamber of Commerce and Industry (CCI Neamt)
- **Collaboration with industry on research and teaching activities** (presentation), Seminarul „IT&C leveraging growth industries capabilities”, Chamber of Commerce and Industry Iasi, 2016
www.finantare.ro/seminar-itc-leveraging-growth-industries-capabilities-iasi-20-mai.html,
- **Dissemination of good practices** in Collaboration between Academic and Industry environment (presentation), "Alecu Russo" State University, Bălți, Moldova October, 2015
- **Dissemination of good practices** in Collaboration between Academic and Industry environment (presentations), Istanbul, Turkey, April, 2015
- **Methods of collaboration between companies and educational environment in the field of Information Technology**, Moldova e-Government Summit, Organised by University of Chisinau and Ministry of Information Technologies and Communications, 2010

Technical Presentations

- **"Cloud computing basics"**, Faculty of Informatics, Phuong Dong University, Hanoi, Vietnam, April 2018
- **"Privacy by Design principles interpretation in Cloud Computing Era"** - Invited Lecture, Conference: Legal Perspectives on the Internet, Iasi, October, 2017

- **“Cloud Computing. Technological facts behind the scene”** , Faculty of Informatics, Shizuoka University, Hamamatsu, Japan Vietnam, April 2017
- **“Cloud Computing – the core of our digital life”**, December 2016, EuroEd, Iasi, Romania
- **“Cloud Computing – What does it mean?”** - presentations, "Alecu Russo" State University, Bălți, November 2014 - Inter-Academic Network Erasmus Mundus II, Academic Staff Mobility
- **“Cloud Computing – a new era in the information society”**, October 2013, History Science Division, Romanian Academy, Bucharest, Romania
- **“Microsoft Azure”** presentation, Technical University of Cluj-Napoca, October 2012
- **“Transmission and data management – essential factors in the information society development”**, October 2012, History Science Division, Romanian Academy, Bucharest, Romania
- **“The evolution of data processing and data transmission in human society”**, October 21, 2011, Autumn Session – History Science Division, Romanian Academy, Bucharest, Romania
- **“Creating Optimal Groups of Students in E-Learning Using Alternative Methodologies”**, July 11-13, 2011, Cambridge, UK
- **“Trust and Reputation in the Social Web”** Rainbow Within Laboratory, Nice, Sophia Antipolis, July 12-19, 2010, France
- **“Grid computing”**, November Web Workshop dedicated Web Technologies, Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi, 2005
- **Workshop School of Computing**, Alexandru Ioan Cuza University of Iasi - Presentation Software Project v.1.0 WebNote
- **First Prize (Computer Science Section) in Pharmacy Conference (University of Medicine and Pharmacy)** – with MedFam - a software project for patients management (May 2002, Iasi, Romania)

Member of International and National Program Committees / Reviewer

- **Collaborator member of the Romanian Academy**, History of Science Division of the Romanian Committee for History and Philosophy of Science and Technology (CRIFST) (2011-2019)
- **Evaluator for the Priority Axis 1 Research, Technological Development and Innovation (CDI)**, The Ministry of Research and Innovation (2018)
- **Member of program committee** of International Conference on Mathematics, Informatics and Information Technologies dedicated to the illustrious scientist Valentin Belousov April 19 – 21, 2018, Balti, Republic of Moldova
- **Member of program committee** of 14th European Dependable Computing Conference (EDCC-2018)
- **Member of program committee** of 16th RoEduNet Conference: Networking in Education and Research, 2017
- **Member of program committee** of DevExperience Conference, 2017
- **Member of program committee** of Startup-Weekend Conference Iasi, 2015
- **Chair of 21st International Conference on Conceptual Structures (ICCS 2014)**, <http://iccs2014.info.uaic.ro/> - 2014
- **Editorial board member of the International Journal of Intelligent Systems Design and Computing**, ISSN online: 2052-8485, ISSN print: 2052-8477 -2013
- **Evaluator for the Partnership Programme** - Joint Applied Research Projects – PCCA, UEFISCDI – 2013-2014
- **Member in the review board of the Scientific Journals International**, ISSN 1556-6757-2013
- **Member of program committee of CUBE** - International IT Conference & Exhibition, (Track chair in 2012), www.thecubeconf.com - 2011-2013

TECHNICAL SKILLS



- **Member of program committee - International Conference on Software Engineering and Computer Systems**, ICSECS2011, Series of Springer LNCS – 2010-2011
- **Program committee member -International Conference on Digital Information Processing and Communications (ICDIPC2011)**, Technical University of Ostrava, Czech-2011
- **Reviewer - “F11 Competition”**, Web Technologies Section - 2011

- Cloud Computing, Computer Networks, Distributed Systems
- Semantic Web technologies, Web Technologies: X (HTML), CSS, XML, XSL, CGI, PHP, JavaScript, DHTML, DOM, SAX, SOAP, REST, Web Services
- Programming languages (C / C + +, Java, Pascal, SQL, Delphi, Visual C + +, C #)

Significant software projects

- **SwarmESB - part of PrivateSky Project** (<https://profs.info.uaic.ro/~ads/PrivateSky/>) (2013-2018)
- **SINUX - Ubuntu spiced up with Semantic Web** (collaboration with Alina Gozman (Munteanu), Daniel Munteanu, Andrei Panu, Sabin Buraga),(<http://profs.info.uaic.ro/~sinux/>) 2011
- **SIGMA - Government Semantic Mashup Application** (collaboration with Claudia Gheorghiu, Radu Nicolescu, Vasile Bogdan Andrei, Cristian Ochisor, Sabin Buraga), 2011
- **StarTrust (C / C +)** - Web Social Research project, 2010
- **StarWorth (C / C + +, C#)** a research project about: local trust metrics and reputation in online communities, 2008
- **PRoS (C)** - a core of ratings rules for trust and reputation systems, 2007
- **toBiG (Java)** - the infrastructure that provides functionality of a Grid, 2003
- **MedFam (Delphi)** - a system that can be used for patient management, 2002
- **WebNote (C #)** - a web-application-organizer, based on SOAP, 2002

Mobility and cooperation contracts

- **IC1304 - Autonomous Control for a Reliable Internet of Services (ACROSS)** (2015-2017)
- **Member in Erasmus Mundus Academic Network** – EDEN (Erasmus Mundus Action 2), Budget: 1.499.500 Euro, 2012- 2014
- **Member in Inter-Academic Network Erasmus Mundus** – IANUS (Erasmus Mundus Action 2), Budget: 3.930.475 Euro, 2013-2016;

Structural Funds Projects: Strategic and grant type

- **Member of the POSDRU ID. 138873**, project „Programe de studii flexibile si competitive pentru IT&C in Regiunea de Dezvoltare Nord-Est (CompetIT&C), 2014-2015
- **Long-term Expert** - trainer, POSDRU ID 51391 (Human Resources Development Operational Program), "Interregional Training Network in e-learning system for teachers from the preuniversity education", Priority Axis 1, Key Area of Intervention 1.3, 1 September 1, 2010- August 31, 2013
- **Member of the POSDRU ID. 31367**, project "Practical training and activities to stimulate the insertion in the labor market for students and graduates" - (Coordonator, Faculty of Computer Science, Alexandru Ioan Cuza University of Iasi) - 2009-2011
- **Member of the POSDRU ID 3405** project - "Stagii pe BUNE" - Parteneriat național pentru implementarea proiectelor firme facultăți în vederea tranziției de la școală la viaa activă (pact)- <http://www.stagiipebune.ro/> , Budget: 2.700.600 RON (2010-2011)

Coordinating B. Sc. theses and M. Sc. theses (since 2007) – Directions

- **Distributed Computing** (Middleware Architectures, Cluster and Grid Computing, Cloud Computing)
 - **Computer Networks**
 - **Web technology** (SOA - Service Oriented Architecture, Web Services, Web Engineering, Social Web, Trust and Reputation Systems, etc.).
 - **Semantic Web**
-
- **Vice Dean of Faculty of Computer Science**, Alexandru Ioan Cuza University of Iasi, Romania 2014-2019
 - **Chair of STARTUP EUROPE COMES TO UNIVERSITIES** Event, Iasi, Romania 2016-2018
 - **Organizing Committee Chair - RoCHI 2016** - Conference on HCI 2016
 - **Coordination of Museum Department of the Faculty of Computer Science**, within the Alexandru Ioan Cuza Museum, Iasi – 2011-2018
 - **Member of organizing committee of Following Anita Borg**, January 16th, 2015
 - **Coordinator of the workshop dedicated to IT Student Internships** – 2011-2019
 - **Coordinator of the workshop IT Companies @ FII Workshop**, dedicated to strengthening relationships between academia and industry – 2012-2018
 - **Member of organizing committee of BringITon!** - biannual event from 2010
 - **Member of the organizing committee of the event DesignJam**, Iasi (http://www.designjams.org/wiki/Design_Jam_Iasi; <http://blog.mozilla.org/labs/2011/06/design-jam-iasi-1-intense-fun-a-rip-roaring-success-say-over-50-jammers-2/>) – June 2011
 - **Member of the organizing committee of the event Doctoral Intensive Summer School** on Meta-Heuristics in Optimization Intelligent Data Analysis And Optimization Evolutionary Computing in Data Mining - ECODAM (<http://profs.info.uaic.ro/~summer-school/>)- 2010-2019
 - **Member of the organizing committee of CICLing 2010** - Conference on Intelligent Text Processing and Computational Linguistics (<http://www.cicling.org/2010/>) - 2010
 - **Member of organizing Committee of the PROMISE 2010** - Romanian Processing in Multilingual, interoperable and Scalable Environments- 2010
 - **Member of the organizing committee of RoCHI 2008** - Conference on HCI- 2008
 - **Member of the organizing committee of the series of workshops on Web technologies-** 2003-2007

Member of committees with administrative roles

- **Member of the Commission to assess the quality of higher education in the Faculty of Computer Science**, Alexandru Ioan Cuza University of Iasi (2009-2018)
- **Member of the Ethics Committee** of Alexandru Ioan Cuza University of Iasi (2012-2014)
- **Member of the "Committee for Education and Research"** within the Economic and Social Development Board of Iasi county, Romania (2011-2012)

ORGANIZATIONAL SKILLS



LANGUAGES



English C2

DRIVING LICENCE



B2

ANNEX



Annex. List of publications in journals and volumes of national and international conferences



Annex. List of publications in journals and volumes of national and international conferences

I have published until now more than 65 publications as both author and co-author. Some of the works listed below are indexed in international databases (ACM Digital Library, IEEE Computer Society, DBLP, Web of Knowledge). I am also a co-author of four books with publisher recognized by CNCIS.

1. G. Calancea, C. Milut, **L. Alboaie**, A. Iftene, iAssistMe - Adaptable Assistant for Persons with Eye Disabilities, 23rd International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, 2019 (accepted for publication)
2. S. Alboaie, L. **Alboaie**, Z. Pritzker, A. Iftene, Secret Smart Contracts in Hierarchical Blockchains, 28th International Conference on Information Systems Development (ISD2019) (accepted for publication)
3. C. Damian, C. Ursache, S. Alboaie, R. Maștaleru, A. Panu, **L. Alboaie**, Using Double-Check Mechanism in IoT Software Environments, 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), pp. 0816-0821. IEEE, 2018.
4. G. Calancea, **L. Alboaie**, A. Panu, A SwarmESB Based Architecture for an European Healthcare Insurance System in Compliance with GDPR, 19th International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT-18), Jeju, Korea 2018
5. I. Stanescu, **L. Alboaie**, A. Panu, Blockchain and Smart-contracts Modeled in a SwarmESB Ecosystem, 19th International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT-18), Jeju, Korea 2018
6. **L. Alboaie**, Towards a smart society through personal assistants employing executable choreographies, ISD 2017, 6-8 Sep 2017 26th International Conference on Information Systems Development
7. **L. Alboaie**, Interpretarea principiilor privacy by design în era cloud computing, Anale UAIC, Tomul, LXIII, Științe juridice, 2017, nr. II, ISSN: 1221-8464
8. Ursache, N.C., Damian, C., Alboaie, S., **Alboaie, L.**, Stouti, E.M., Bringing Executable Choreographies to the IoT, 22nd IMEKO TC4 Symposium and 20th International Workshop on ADC Modelling and Testing, ID-192, Iasi, Romania, September, 2017
9. Alboaie, Sinica, Ioana Bogdan, **Alboaie, Lenuta**; Vaida, Mircea-Florin; Operations on encrypted data in an ORM made for encrypted choreographies, 16th RoEduNet Conference: Networking in Education and Research, Târgu-Mureș, Romania
10. Serban, C., **Alboaie, L.**, Iftene A., Image and user profile-based recommendation system, Linguistic Linked Open Data 12th EUROLAN 2015 Summer School and RUMOUR 2015 Workshop, Sibiu, Romania, July 13-25, 2015, Revised Selected Paper, ISBN: 978-3-319-32941-3 (Print) 978-3-319-32942-0 (Online), Pages 67-82, Volume 588, 2016
11. Alboaie, Sinica; **Alboaie, Lenuta**; Vaida, Mircea-Florin; Olariu, Cristina, Executable choreographies applied in OPERANDO, Computer Science Journal of Moldova, Vol. 24 Issue 3, p417-436., 20p., 2016
12. C. Damian, **L. Alboaie**, A Iftene, Using WSN and Mobile Apps for Home and Office Ambient Monitoring and Control, Proceedings of the 13th International Conference on Human-Computer Interaction RoCHI-2016. Matrix ROM : Bucharest (2016), ISSN 2501-9422 ISSN-L 2501-9422

13. Sinica Alboaie, **Lenuta Alboaie**, and Mircea-Florin Vaida, Web service transformations in a federated Enterprise Service Bus based on executable choreographies, Proceedings of the Conference on Mathematical Foundations of Informatics MFOI'2016, July 25-29, 2016, Chisinau, Republic of Moldova
14. Sinica Alboaie, **Lenuta Alboaie**, Andrei Panu, Levels of Privacy for e-Health systems in the cloud era, 24th International Conference on Information Systems Development Harbin, China, August 25-27, 2015
15. Lucian Nita, **Lenuta Alboaie**, System for medical data acquisition and patient health state telemonitoring, SIELMEN (<http://sielmen.ucv.ro>), Chisinau, 2015
16. Ungureanu, S., Panu, A., **Lenuta Alboaie**, A Cloud Gaming System Design Insights, Proceedings of the 12th International Conference on E-Business - ICE-B, Franta, 2015
17. Șerban, C., **Alboaie, L.**, Iftene, A., Image and user profile-based recommendation system., Workshop on Social Media and the Web of Linked Data (RUMOUR 2015) at EUROLAN 2015 Summer School on Linguistic Linked Open Data. 18 July 2015, Sibiu, Romania.
18. **Lenuta Alboaie**, Sinica Alboaie, Tudor Barbu, Extending swarm communication to unify choreography and long-lived processes, 23rd International Conference on Information Systems Development (ISD2014 Croatia)
19. Iftene, A., **Alboaie, L.**, Serban, C., Siriteanu, A., Cautarea de imagini pe baza continutului si a metadatelor asociate, Conferinta Nationala Om-Calculator - RoCHI 2014
20. Adrian Iftene, **Lenuta Alboaie**, Diversification in an image retrieval system based on text and image processing, Computer Science Journal of Moldova, V.22, N.3(66), 2014
21. Ungureanu, S., Panu, A., **Alboaie, L.**, Buraga, S.C., Iftene, A. 2014, InstantPlay - O platforma de Cloud Gaming. Revista Romana de Interactiune Om-Calculator 7(1), Pp. 21-36, 2014. ISSN 1843-4460.
22. **Lenuta Alboaie**, Sinica Alboaie, Panu Andrei, Swarm Communication - a Messaging Pattern proposal for Dynamic Scalability in Cloud, 15th IEEE International Conference on High Performance Computing and Communications (HPCC 2013), Zhangjiajie, China, November 2013
23. Cristina Șerban, Alexandra Sirițeanu, Claudia Gheorghiu, Adrian Iftene, **Lenuta Alboaie**, Mihaela Breabăn, Combining image retrieval, metadata processing and naive Bayes classification at Plant Identification 2013, CLEF 2013 Conference and Labs of the Evaluation Forum, Information Access Evaluation meets Multilinguality, Multimodality and Visualization, 2013
24. Claudia Gheorghiu, Andrei Panu, **Lenuta Alboaie**, A Semantic Web Platform for Legal Knowledge in Cloud, IEEE 12th International Conference on Intelligent Software Methodologies, Tools and Techniques, 2013
25. Andrei Panu, Sabin C. Buraga, **Lenuta Alboaie**, Qsense – Learning Semantic Web Concepts by Querying DBpedia, Proceedings of the 10th International Conference on E-Business - ICE-B, Iceland, 2013
26. **Lenuta Alboaie**, Transmission and data management – essential factors in the information society development, (in Romanian) Revista Noema, Comitetul Roman de Istorie si Filosofia Stiintei si Tehnicii, Academia Romana, ISSN: 1841-9852, 2013
27. Emanuela Boros, Alexandru-Lucian Ginsca, Sabin-Corneliu Buraga, **Lenuta Alboaie**, SUP: A Service Oriented Framework for Semantic User Profile Extraction and Representation, ICCP 2012 : The 2012 IEEE 8th International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, August 30 September 1, 2012, pp. 181-187, ISBN: 978-1-4673-2951-4

28. George L. Chetreanu, Alina E. Mihăilă, Iulian Vascu, George Vlad, Sabin C. Buraga, **Lenuta Alboae**, PeRe: A Location-Based Personal Semantic Web Recommender, 2012 IEEE International Conference on Automation, Quality and Testing, Robotics, THETA 18th edition, 24th -26th May, Cluj-Napoca, Romania
29. **Lenuta Alboae**, Mircea-F. Vaida, Diana Pojar, Alternative Methodologies for Automated Grouping in Education and Research, CUBE 2012, CUBE International Information Technology Conference & Exhibition, Pune, India, 3 - 5 September 2012, ACM
30. **Lenuta Alboae**, Evolutia prelucrării și transmiterii datelor în societatea umană (in Romanian), Revista Noema, Comitetul Român de Istorie și Filosofie Științei și Tehnicii, Volumul XI, pp.253-270, Academia Romana, ISSN: 1841-9852, 2012
31. **Lenuta Alboae**, Mircea-F. Vaida, Trust and Reputation Model for Various Online Communities, Studies in Informatics and Control, ISSN 1220-1786, June 2011, Vol. 20, Issue 2, pp. 143-156, ISI journal, IMPACT FACTOR/ 2010 = 0.671
32. Alina Gozman, Daniel Munteanu, Andrei Panu, **Lenuta Alboae**, SabinBuraga, SINUX – Ubuntu spiced up with Semantic Web, June 23-25,2011, 10th Networking in Education and Research- RoEduNet IEEE Conference, ISSN 2247-5443, pp.199-204, 2011
33. Claudia Gheorghiu, Radu Nicolescu, Andrei Bogdan, Cristian Ochisor, Sabin Buraga, **Lenuta Alboae**, SIGMA - Semantic Government Mash-Up Application: Using Semantic Web Technologies to Provide Access to Governmental Data, International Symposium on Parallel and Distributed Computing - ISPDC, pp.247 – 253, INSPEC Accession Number: 12442940; Digital Object Identifier: 10.1109/ISPDC.2011.43, Cluj 2011
34. Radu Terec, Mircea-Florin Vaida, **Lenuta Alboae**, Ligia Chiorean, DNA Security using Symmetric and Asymmetric Cryptography, International Journal of New Computer Architectures and Their Applications (IJNCAA), Vol. 1, No. 1, pp. 35-51, (extension of article Alternative DNA Security using BioJava), ISSN 2220-9085, 2011
35. Mircea-Florin Vaida, Florin-Claudiu Pop, Marcel Cremene, **Lenuta Alboae**, Creating Optimal Groups of Students in E-learning using Alternative Methodologies, pp. 30-37, Computers and Advanced Technology in Education - CATE2011, 11-13 July 2011, Cambridge, ISBN: 978-0-88986-888-5
36. Mircea-Florin Vaida, Radu Terec, **Lenuta Alboae**, Alternative DNA Security using BioJava, International Conference on Digital Information and Communication Technology and its Applications - DICTAP 2011, SDIWC, Univ. de Bourgogne, Dijon, France, 21-23 June, 2011, pp.455-469, Part 1, ISSN: 1865-0929, e-ISSN: 1865-0957, ISBN: 978-3-642-21983-2, e-ISBN: 978-3-642-21984-9, DOI: 10.1007/978-3-642-21984-9, Springer, LCCN: 2011930189
37. **Lenuta Alboae**, Mircea-F. Vaida, Modeling of Trust to Provide Users Assisted Secure Actions in Online Communities, NDT 2010, Network Digital Technologies, Prague, 7-9 July 2010, pp.369-382, Communications in Computer and Information Science Part I, (CCIS) of Springer Lecture Notes Series - 87 (www.springer.com/series/7899), ISI Proceedings and Scopus, ISSN 1865-0929, ISBN -10 3-642-14291-5, ISBN- 13 978-3-642-14291-8
38. Mihaela Breaban, **Lenuta Alboae**, Henri Luchian, Guiding Users within Trust Networks Using Swarm Algorithms, IEEE Congress on Evolutionary Computation (IEEE CEC 2009), pp. 1770-1777, ISBN: 978-1-4244-2958-5, DOI: 10.1109/CEC.2009.4983155 , 2009
39. **Lenuta Alboae**, Sabin Buraga, Trust and Reputation in e-Health Systems, IFMBE Proceedings Vol. 26., International Conference on Advancements of Medicine and Healthcare through Technology, Meditech09, 23-26 September 2009, pp. 257-260, ISSN 1680-0737, ISBN 978-3-642-04291-1, e-ISBN 978-3-642-04292-8, DOI 10.1007/978-3-642-04292-8, Library of Congress Control Number: 2009934354, Cluj-Napoca, Romania, Indexare Springer

40. **Lenuta Alboaie**, How could trust metrics improve recommendation systems?, Distributed environments. Adaptability, Semantics and Security Issues; International Romanian-French Workshop, 17-18 september 2009, Cluj-Napoca: Editura U.T. Press, pp. 119- 127, ISBN 978-973-662-489-6
41. **Lenuta Alboaie**, Sinica Alboaie, Organic development of enterprise-level applications, Distributed environments. Adaptability, Semantics and Security Issues; International Romanian-French Workshop, 17-18 september 2009, Cluj-Napoca: Editura U.T. Press, 2009, pp. 46-54, ISBN 978-973-662-489-6
42. **Lenuta Alboaie**, Tudor Barbu, An automatic user recognition approach within a reputation system using a nonlinear Hausdorff derived metric, 2008, Numerical Functional Analysis and Optimization, ISSN 0163-0563 (Print), 1532-2467 (Online) Impact Factor /2007: 0.465, Impact Factor/2010: 0.687; Influence Factor: 0.57298; Premiu CNCSIS - 2009 - CNCSIS 789 - premiarea cercetarii - 2008
43. **Lenuta Alboaie**, Diana Gorea, Victor Felea, Semantic Integrity Control in the Database Layer of an e-Health System, International Journal of Computers Communications & Control, ISSN 1841-9836, E-ISSN 1841 – 9844, Volume:3, Supplement: Suppl.S pp:162-167, 2008, Impact Factor/2010 = 0.650
44. **Lenuta Alboaie**: PRES - Personalized Evaluation System in a Web Community, ICE-B International Conference on e-Business, Portugal, pp.64-69, ISBN: 978-989-8111-58-6, IEEE, ISI Proceedings, 2008
45. **Lenuta Alboaie**, Tudor Barbu, Reputation System User Classification using a Hausdorff based Metric, International Conference on Intelligent Agents, Web Technologies and Internet Commerce – IAWTIC'2008, pp: 1035-1040, Vienna, Austria , December 10- 12, ISBN: 978-0-7695-3514-2, IEEE, 2008
46. **Lenuta Alboaie**, Sabin Buraga, Victor Felea, TELEMON – a SOA-based e-Health System. Designing the Main Architectural Components”, 9th International Conference on Development and application systems, Section: Information Technologies, Suceava, Romania, ISSN 1844-5039, 2008
47. **Lenuta Alboaie**, Diana Gorea, Victor Felea, A SSO-style authentication in a SOA-based e-Health System, Proc. of the 31th Annual Congress of American Romanian Academy of Arts and Sciences, ISBN: 978-2-553-01424-6, Montreal, Quebec, 2008
48. Victor Felea, Marian Balta, Diana Gorea, **Lenuta Alboaie** On Query Equivalence Using Views with Negation, Proc. of the 31th Annual Congress of American Romanian Academy of Arts and Sciences, Polytechnic International Press, pp. 42-45, ISBN: 978-2-553-01424-6, Montreal, Quebec, 2008
49. **Lenuta Alboaie**, A General Rating Computing Mechanism for Trust Propagation in Online Communities, Seminarul stiintific cu participare nationala, Sisteme Distribuite. Editia a VI-a, Universitatea "Stefan cel Mare", Centrul de Cercetare in Stiinta Calculatoarelor, ISSN 1842-6808, 2008
50. Sabin Buraga, **Lenuta Alboaie**, Grid Computing in the Context of Semantic Web-based Resource Management, Proceedings of the Eighth International Conference on Informatics in Economy, Editura Economica, 2007
51. **Lenuta Alboaie**, Sabin Buraga, Service-oriented architecture for health systems, Proceedings of the national symposium with international participation e-Health and bioengineering-EHB2007, ISSN: 0048-7848, Nr.2, 2007
52. Sabin Buraga, Sinica Alboaie, **Lenuta Alboaie** An XML/RDF-based Proposal to Exchange Information within a Multi-Agent System, Concurrent Information Processing and Computing, Volume 195 NATO Science Series: Computer & Systems Sciences, Edited by: D.Grigoras,

A.Nicolau, 336 pp., IOS Press, ISBN: 1-58603-502-9, 2005
(http://www.iospress.cn/flyers_b/fl9781586035020.pdf)

53. **Lenuta Alboaie**, Sabin Buraga, Sinica Alboaie, tuBiG - A Layered Infrastructure to Provide Support for Grid Functionalities, Proceedings of the 2nd International Symposium on Parallel and Distributed Computing, DOI: 10.1109/ISPD.2003.1267637, pp. 9-14, ISBN: 0-7695-2069-3, IEEE Computer Society Press, 2003
54. Sinica Alboaie, Sabin Buraga, **Lenuta Alboaie**, An XML-based Serialization of Information Exchanged by Software Agents, 7th World Multiconference on Systemics, Cybernetics and Informatics, Date: JUL 27-30, 2003, Orlando, Florida, Vol. IX, ISI Proceedings, Pages: 1-4, Published: 2003 (short paper)
55. Sinica Alboaie, Sabin Buraga, **Lenuta Alboaie**, An XML-based Serialization of Information Exchanged by Software Agents, International Informatica Journal (<http://www.informatica.si/>), vol.28, no.1, pp. 13-22, April 2004; ISSN: 0350-5596; e- ISSN: 1854-3871
56. Sabin Buraga, **Lenuta Alboaie**, A Metadata Level for the tuBiG Grid-aware Infrastructure, in D.Petcu et al. (eds.), Proceedings of the 6th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing – SYNASC, (<http://www.informatik.uni-trier.de/~ley/db/conf/synasc/>), 2004
57. Sabin Buraga, Sinica Alboaie, **Lenuta Alboaie**, The Use of XML Technologies for Exchanging Information within a Multi-Agent System, International Scientific Journal of Computing, Research Institute of Intelligent Computer Systems, Ternopil National Economic University Vol. 2, Issue 3, ISSN 1727-6209 (<http://computingonline.net/>), 2003
58. Sinica Alboaie, Sabin Buraga, **Lenuta Alboaie**, An XML-based Object-Oriented Infrastructure for Developing Software Agents, Scientific Annals of Alexandru Ioan Cuza University of Iasi "Computer Science Section, Tome XII, Alexandru Ioan Cuza University of Iasi Press House, pp. 109-134, ISSN 1224-2268, Iasi 2002
59. **Lenuta Alboaie**, Sinica Alboaie, MUMSAI – an automatic authentication system (in Romanian), Seria Stiinte Exacte, Nr. 15/2005, "Vasile Goldis" University Press, pp.79-82 (short paper), ISSN: 1584-2355, 2005
60. **Lenuta Alboaie**, Sabin Buraga, Dialogues about SOAP (in Romanian), NET Report (CD-ROM), vol.12, 02 (125), February 2003

**Scientific books
published in
national
publishers**

61. **Lenuta Alboaie**, Sabin Buraga, Web Services (in Romanian), Polirom Publishing House, ISBN 973-681-522-6 Iasi, 2006 (320 pages)
62. Mircea-Florin Vaida, **Lenuta Alboaie**, Petre Gavril Pop, Cosmin Strilețchi, Ligia-Domnica Chiorean, Programare orientata pe obiecte si programare web, Editura: Casa Cărții de Știință, Cluj-Napoca, ISBN 978-606-17-0005-9, (245 pages), 2011
63. Mircea-Florin Vaida, Petre Gavril Pop, Cosmin Strilețchi, Ligia-Domnica Chiorean, **Lenuta Alboaie**, Programarea în limbajul C/C++. Algoritmi de bază în C/C++, Editura: Casa Cărții de Știință, Cluj-Napoca, ISBN 978-606-17-0004-2, (262 pages), 2011
64. Mircea-Florin Vaida, Ligia-Domnica Chiorean, **Lenuta Alboaie**, Petre Gavril Pop, Cosmin Strilețchi, Kuderna-Iulian Bența, Programarea în limbajul C/C++ cu elemente C++1y. Programare web C++, Casa Cartii de Stiinta, Cluj-Napoca, pp. 336, 2016, ISBN 978-606-17-1015-7

Book chapters published in national publishers	65. Lenuta Alboaie , Sinica Alboaie, MUMSAI – an automatic authentication system (in Romanian), in S. Buraga (ed.), "Actual Trends in Web Application Design and Development", pp. 70-81, MATRIX ROM, Bucharest, ISBN (10) 973-755-030-7; ISBN(13) 978-973-755-030-0; 2006
Editor	<p>66. Lenuța Alboaie, Dan Cristea, Corina Forăscu, Daniela Gîfu (eds.), BringITon! 2012 Catalog. ISSN 2285-0929, ISSN-L: 2285-0929, Editura Universității „Alexandru Ioan Cuza” Iasi, 17-18 May 2012</p> <p>67. Lenuța Alboaie, Dan Cristea, Corina Forăscu, Daniela Gîfu, Adrian Iftene (eds.). 2014. BringITon! Catalogue 2014. “Alexandru Ioan Cuza” University of Iași Publishing House, 68 p., ISSN 2285-0929</p> <p>68. Alexandru-Adrian Tantar, Emilia Tantar, Michael Emmerich, Pierrick Legrand, Lenuța Alboaie, Henri Luchian (eds.), EVOLVE - A Bridge between Probability, Set Oriented Numerics, and Evolutionary Computation VI, Published under the imprint: Springer; Series Title: Advances in Intelligent Systems and Computing, 2018</p>

Associate Professor
Lenuta Alboaie