Curriculum vitae Europass

Personal information

Name	**Bădică, Costin**
Adress	University of Craiova, Faculty of Automation, Computers and Electronics, Department of Computers and Information Technology, Bvd. Decebal 107, 200440, Craiova, Romania
Phone(s)	+40251438198 ext. 163
E-mail(s)	cbadica@software.ucv.ro cbadica66@gmail.com
Web page(s)	DBLP: http://www.informatik.uni-trier.de/~ley/db/indices/a-tree/b/Badica:Costin.html Google Scholar: http://scholar.google.ro/citations?user=b4W8SzgAAAAJ ResearchGate: https://www.researchgate.net/profile/Costin_Badica Web of Science ResearcherID: https://publons.com/researcher/B-8006-2012/ ORCID: https://orcid.org/0000-0001-8480-9867 Brainmap: https://www.brainmap.ro/costin-badica Web: http://software.ucv.ro/~cbadica
Nationality	Romanian
Date of birth	19.02.1966
Civil status	Married, 1 child
Sex	Male

Work experience

Period	2006-present
Position	Professor, Ph.D. Supervisor
Activities and responsibilities	Lectures in: Artificial Intelligence, Distributed Network Application Development, Electronic Commerce, Programming Techniques, Semantic Systems, Multi-Agent Systems
Place, institution	University of Craiova, Faculty of Automation, Computers and Electronics, Department of Software Engineering / Department of Computers and Information Technology, Bvd. Decebal 107, 200440, Craiova, Romania
Period	2012-present
Position	*Director of Doctoral School* „Constantin Belea" of the Faculty of Automation, Computers and Electronics, University of Craiova, Romania
Activities and responsibilities	Management of Doctoral Activity of the Faculty of Automation, Computers and Electronics, University of Craiova, Romania
Place, institution	University of Craiova, Faculty of Automation, Computers and Electronics, Department of Software Engineering / Department of Computers and Information Technology, Bvd. Decebal 107, 200440, Craiova, Romania
Period	2007-2011

Position	*Scientific Officer* of the Faculty of Automation, Computers and Electronics, University of Craiova, Romania
Activities and responsibilities	Management of scientific and research activities at the Faculty of Automation, Computers and Electronics, University of Craiova, Romania
Place, institution	University of Craiova, Faculty of Automation, Computers and Electronics, Department of Software Engineering / Department of Computers and Information Technology, Bvd. Decebal 107, 200440, Craiova, Romania
Period	2002-2006
Position	Associate professor
Activities and responsibilities	Lectures in: Artificial Intelligence, Network Application Development, Electronic Commerce, Programming Techniques, Web Application Development
Place, institution	University of Craiova, Faculty of Automation, Computers and Electronics, Department of Software Engineering, Bvd. Decebal 107, 200440, Craiova, Romania
Period	2001-2002
Position	Postdoctoral Research Associate
Activities and responsibilities	Scientific research in Computer Science, Researcher in EU-FP5-IST-10387-1999, INSPIRE research project
Place, institution	King's College London, Department of Computer Science, The Strand, London WC2R 2LS, England, United Kingdom
Perioda	1996-2001
Position	Lecturer
Activities and responsibilities	Lectures in: Artificial Intelligence, Programming Techniques, Assembly Language Programming, Methods for Software Development
Place, institution	University of Craiova, Faculty of Automation, Computers and Electronics, Computer Department, Bvd. Decebal 107, 200440, Craiova, Romania
Period	1994-1996
Position	Teaching assistant
Activities and responsibilities	Laboratories in: Artificial Intelligence, Computer Programming, Programming Techniques, Assembly Language Programming, Data Structures and Algorithms
Place, institution	University of Craiova, Faculty of Automation, Computers and Electronics, Computer Department, Bvd. Decebal 107, 200440, Craiova, Romania
Period	1990-1994
Position	Instructor
Activities and responsibilities	Laboratories in: Computer Programming, Programming Techniques, Assembly Language Programming, Data Structures and Algorithms
Place, institution	University of Craiova, Faculty of Automation, Computers and Electronics, Computer Department, Bvd. Decebal 107, 200440, Craiova, Romania

Supervised Ph.D. theses

Period	2008-2011
Student	Mihnea Scafeş, https://dblp.org/pers/hd/s/Scafes:Mihnea
Thesis Title	Contributions to multi-issue negotiation mechanisms between software agents
Period	2009-2012
Student	Sorin Ilie, https://dblp.org/pers/hd/i/Ilie:Sorin
Thesis Title	Distributed Architecture for Swarm Intelligence

Period	2010-2013
Student	Alex Muscar, http://dblp.org/pers/hd/m/Muscar:Alex
Thesis Title	Exploring the Design Space of Agent-Oriented Programming Languages
Period	2014-2019
Student	Alex Becheru, https://dblp.org/pers/hd/b/Becheru:Alex
Thesis Title	Complex Networks Analysis

Education and training

Period	1993-1999
Qualification/diploma obtained	Diploma Doctor Engineer (Ph.D.) in Control Systems, thesis title: " Dynamic systems diagnosis using expert systems", scientific advisor: Prof. Vladimir Răsvan, PhD
Place, institution	University of Craiova, Faculty of Automation, Computers and Electronics, Computer Department, Bvd. Decebal 107, 200440, Craiova, Romania
Period	1985-1990
Qualification/diploma obtained	Diploma Engineer, Electric Profile, Automation and Computers Speciality
Place, institution	University of Craiova, Faculty of Automation, Computers and Electronics, Computer Department, Bvd. Decebal 107, 200440, Craiova, Romania
Period	February 1994 – June 1994
Qualification/diploma obtained	Tempus research stage, TEMPUS JEP - 2751 - 1991 -1994 "Dezvoltarea învatamântului superior la Facultatea de Automatica - Universitatea din Craiova în domeniul automaticii si informaticii industriale"
Place, institution	University of Padova, Italy (Prof. Sergio Congiu)
Period	May 1996 – June 1996
Qualification/diploma obtained	Tempus research stage, TEMPUS DISCO S_JEP 07101-94 1994-1996 „Dezvoltarea în România a învăţământului de scurtă durată centrat pe calcul distribuit şi aplicaţiile sale"
Place, institution	University of Paris Sud, Orsay, France (Prof. Michel de Rougemont)
Period	April 27 – May 2 , 2014
Qualification/diploma obtained	Multi-agent systems and their role in future energy grids, Dagstuhl Seminar 14181
Place, institution	Dagstuhl, Germany

Specializations and qualifications

Period	June 2000
Qualification/diploma obtained	ROMSYS Certificate Jbuilder 3.0 (Java programming language)
Place, institution	Bucharest, Romania, ROMSYS SA

Language skills

Mother language	Romanian

Foreign languages

Self-evaluation	*Understanding*	*Speaking*	*Writing*
English	Proficient user (C2)	Proficient user (C2)	Proficient user (C2)
French	Independent user (B1)	Independent user (B1)	Independent user (B1)
Italian	Basic user (A2)	Basic user (A2)	Basic user (A2)

Invited lectures / Mobilities

Period	2002
Topic	Introduction to XML
Place, institute	Brunel University, London, UK (Prof. Mark Hartman)
Period	2006
Topic	Information extraction using XML and logic programming
Place, institute	Université de Technologie de Compiègne, France (Prof. Philippe Trigano)
Period	October 2008
Topic	FSP and FLTL Framework for Specification and Verification of Middle-Agents
Place, institute	AGH University, Krakow, Poland (Prof. Antoni Ligeza, Prof. Grzegorz J. Nalepa)
Period	June 19-21, 2010
Topic	Using Logic Programming and XML Technologies for Data Extraction from Web Pages
Place, institute	Koreu-EU Forum 2010, Gyeongju, Korea (Prof. Jason J. Jung)
Period	September 13-23, 2010
Topic	Agent Technology for Disaster Management, *Invited lecture*
Place, institute	NATO Advanced Study Institute, Software Agents, Agent Systems and Their Applications, Tangiers, Morocco (Prof. Mohammad Essaaidi)
Period	May 4-7, 2011
Topic	Dynamic Negotiations in Multi-Agent Systems for Disaster Management, *Invited lecture* http://ceur-ws.org/Vol-716/ICTERI-2011-CEUR-WS-Preface-p-2-3.pdf http://ceur-ws.org/Vol-716/ICTERI-2011-CEUR-WS-Invited-1-p-8-22.pdf
Place, institute	International Conference on Information and Communication Technologies (ICT) in Education, Research, and Industrial Applications: Integration, Harmonization, and Knowledge Transfer (ICTERI 2011), Kherson, Ukraine (Prof. Vadim Ermolayev)
Period	27-30 September 2012
Topic	Negotiations in Multi-Agent Systems, *Invited tutorial*
Place, institute	8th IFIP International Conference on Artificial Intelligence Applications and Innovations (AIAI 2012) Greece (Prof. Lazaros Iliadis, Prof. Yannis Manolopoulos)
Period	April 2017
Topic	Erasmus Teaching Mobility, *Introduction to Multi-Agent Systems* (MSc. Course in Telecommunications Engineering),
Place, institute	Engineering Technical School (ETSE), University of Valencia, Spain (Prof. Jaume Segura Garcia)
Period	November 2017
Topic	Erasmus Training Mobility, Invited Research Talk: *Intelligent Agent Programming: from Theory to Practice* (Applied Intelligence & Data Analysis research group – AI+DA, http://aida.ii.uam.es/)
Place, institute	Escuela Politécnica Superior/Departamento de Ingeniería Informática, Universidad Autónoma de Madrid, Spain (Prof. David Camacho Fernández)
Period	June 19, 2018

Topic	Invited lecture: „Agent Programming" (Multi-Agent Systems and Learning Agents Summer School LeMAS-2018, AI-MAS research group, http://aimas.cs.pub.ro/lemas-2018/presentations)
Place, Institute	„Politehnica" University of Bucharest, Romania (Prof. Adina-Magda Florea, Prof. Andrei Olaru)
Period	August 1, 2018
Topic	Invited lecture „Constraint Logic Programming: from Declarative Modeling to Problem Solving", Workgroup for Soft Computing, Programming and Algorithms, https://www.informatik.fb2.frankfurt-university.de/~logofatu/2nd%20Research%20Session.pdf
Place, Institute	Frankfurt University of Applied Sciences, Department of Computer Science and Engineering, Frankfurt am Main, Germany (Prof. Dr. Doina Logofătu)
Period	December 2-9, 2018
Topic	Invited lecture „Agent-Oriented Programming. From Theory to Practice" in Seminar at Systems Research Institute. Polish Academy of Aciences IBS-PAN, Warsaw, Poland http://www.ibspan.waw.pl/aktualnosci/aktualnosci1/seminar_with_the_presentations_of_our_partners_from_romania_university_of_craiova-12
	Systems Research Institute. Polish Academy of Aciences IBS-PAN, Warsaw, Poland (Prof. Marcin Paprzycki, Prof. Maria Ganzha)
Period	September 4, 2019
Topic	Keynote talk: „Agent and optimization for collective profitability, freight transportation brokering and structured project scheduling" at 11th International Conference on Computational collective Intelligence, Hendaye – France http://iccci.sigappfr.org/keynote-speakers/
Place, Institute	Auditorium Antoine d'Abbadie, Hendaye – France (Prof. Ngoc Thanh Nguyen, Prof. Richard Chbeir)
Period	May 9, 2020
Topic	Keynote talk: „Intelligent Distributed Systems Interplay of: AI, MAS & Soft.Eng." at 5th International Conference on Information, Communication & Computing Technology, New Delhi, India http://www.jimsindia.org/icicct2020
Place, Institute	5th ICICCT 2020, Jagan Institute of Management Studies (JIMS), New Delhi, India (Dr. Praveen Arora, Dr. Deepak Chathal)
Period	December 3, 2020
Topic	Keynote talk: „Synergies of Artificial Intelligence, Multi-Agent Systems & Software Engineering Research" at 5th IEEE International Conference on Recent Advances and Innovations in Engineering – ICRAIE 2020, Jaipur, India. IEEE Conference Record #50510 https://conferences.ieee.org/conferences_events/conferences/conferencedetails/51050
Place, Institute	5th ICRAIE 2020, Poornima College of Engineering, Jaipur, Rajasthan, India (Prof. Mahesh Bundele)

Awards and Distinctions

Period	25-29 June 2006
Outcome	Best Presentation Award for the paper „Rule-Based Automated Price Negotiation: Overview and Experiment"
Place	8th Int. Conf. on Artificial Intelligence and Soft Computing, ICAISC'2006, Zakopane, Poland

Period	18.03.2011
Outcome	Certificate of Achievement 1991 – 2011
Place, institution	Bucharest, IEEE Romania Section
Period	28-30 September 2016
Outcome	Best Paper Award for the paper „Collective Profitability and Welfare in Selling-Buying Intermediation Processes”
Place	8th International Conference on Computational Collective Intelligence, ICCCI 2016, Halkidiki, Greece
Period	7-9 October 2015
Outcome	Honorable Mention for the paper „FSP Modeling of a Generic Distributed Swarm Computing Framework”
Place	9th International Symposium on Intelligent Distributed Computing - IDC'2015, Guimarães, Portugal

Additional Information

Fields of interest	Artificial Intelligence Multi-Agent Systems Software Engineering Distributed Systems
Research group	Head of „Intelligent Distributed Systems” Research Group http://ids.software.ucv.ro/

Editorial activity

1. Special Issue on Intelligent Systems Informatica (Slovenia), Volume 32, Issue 4, 340-396, 2008. URL: http://www.informatica.si/vol32.htm#No4 Editorial URL: http://www.informatica.si/PDF/32-4/02_Introduction.pdf
2. Special Issue on Intelligent Distributed Information Systems, Information Sciences, Volume 180, Issue 10, 1779-1923, 2010 Editorial DOI: http://dx.doi.org/10.1016/j.ins.2010.02.001
3. Special Issue on Intelligent Agent-Based Cooperative Systems Computer Science and Information Systems, Volume 7, Issue 3, 551-677, 2010 URL: http://www.comsis.org/archive.php?show=vol0703 Editorial URL: http://www.comsis.org/archive.php?show=pag0703guest
4. Special Issue on E-Service Intelligence Informatica (Slovenia), Volume 34, Issue 4, 407-490, 2010 URL: http://www.informatica.si/vol34.htm#No4 Editorial URL: http://www.informatica.si/PDF/34-4/01_Badica-Editorial.pdf
5. Special Issue on Intelligent Agent-Based Cooperative Systems Computer Science and Information Systems, Volume 7, Issue 3, 551-677, 2010 URL: http://www.comsis.org/archive.php?show=vol0703 Editorial URL: http://www.comsis.org/archive.php?show=pag0703guest
6. Special Issue on Agent and Multi-Agent Systems in E-Business International Journal of Intelligent Information and Database Systems, Vol. 3 No. 2, 2009 URL: http://www.inderscience.com/info/inarticletoc.php?jcode=ijiids&year=2009&vol=3&issue=2 Editorial URL: http://www.inderscience.com/browse/getEditorial.php?articleID=1591
7. Special Issue on Intelligent Distributed Computing, Concurrency and Computation: Practice and Experience, Volume 24, Issue 6, Pages 555–660, 2012 URL: http://onlinelibrary.wiley.com/doi/10.1002/cpe.v24.6/issuetoc Editorial DOI: http://dx.doi.org/10.1002/cpe.1851
8. Special Issue on Intelligent Distributed Computing, International Journal on Artificial Intelligence Tools, Volume 20, Issue 6, Pages 981–1180, 2011, URL: http://www.worldscientific.com/toc/ijait/20/06 Editorial DOI: http://dx.doi.org/10.1142/S0218213011000486
9. Special Issue on Knowledge and Intelligence in Distributed Systems with International Journal of Bio-Inspired Computation, Volume 5, Issue 4, Pages 199–251, 2013, URL: http://www.inderscience.com/info/inarticletoc.php?jcode=ijbic&year=2013&vol=5&issue=4 Editorial URL: http://www.inderscience.com/editorials/f510113968174212.pdf
10. Special issue on computational collective intelligence, Neurocomputing 146: 137-139 (2014), URL: http://dx.doi.org/10.1016/j.neucom.2014.06.049
11. Special Issue on Intelligent Distributed Processing Methods for Big Data, Journal of Universal Computer Science 21(6): 754-756 (2015), URL: http://www.jucs.org/jucs_21_6/intelligent_distributed_processing_methods
12. Special Issue on Intelligent Distributed Computing, Computing and Informatics 34(1): 1-3 (2015) URL: http://www.cai.sk/ojs/index.php/cai/article/view/3032

Member in the editorial board of the following international journals:

1. International Journal of Computer Science & Applications. IJCSA. ISSN 0972-9038
2. Computer Science and Information Systems. ComSIS. ISSN 1820-0214
3. Annals of the University of Craiova. Series: Automation, Computers, Electronics and Mechatronics. ISSN: 1841-0626
4. International Journal of Agent Technologies and Systems (IJATS). ISSN 1943-0752

Research projects

1. INSPIRE: Intelligent Support for People Oriented Process Re-Engineering and Change Management, EU-FP5-IST-10387-1999, 1.03.2000 – 31.08.2002 (team member, postdoctoral researcher, DCS-KCL, London, UK)
2. SUM: E-Commerce Supermarket System, E! 2754 (Eureka, 2003-2005, buget: 99167 LEI, director)
3. HIPERPROC: Hypermedia Techniques for Knowledge-Based Representation of Business Processes, Grant 94/2005 (2005-2007, buget: 64000 LEI, director),
4. Technologies and Intelligent Software Tools for Automated Construction of E-catalogues of Products Using Knowledge Acquisition from the Web, Grant 185/2006 (2005-2007, buget: 54515 LEI, membru)
5. eDalgo: eDidactique de l'Algorithmique. Support interactif de cours pour l'apprentissage autonome de l'algorithmique et de la programmation (AUF 6316PS635, 2006-2007, budget: 20000 EUR, director)
6. UNIT 2008-1 C_Facile and UNIT 2008-2 AlgoBank. Two small projects funded by UNIT - Université Numérique Ingénierie et Technologie, France. (2007-2008, Budget: 2000 EUR, membru si director)
7. SCIPA: Servicii software semantice de Colaborare si Interoperabilitate pentru realizarea Proceselor Adaptive de business. (ANCS, 2008-2011, buget: 145300 LEI, director)
8. DIADEM: Distributed information acquisition and decision-making for environmental management, (FP7-ICT 224318. 2008-2011, Buget: 220200 EUR, director)
9. K-SWAN: An Interoperable Knowledge-based Framework for Negotiating Semantic Web Agents (Proiect bilateral Grecia-Romania, 2012-2013, buget: 18480 LEI, director)
10. "Software Engineering: Computer Science Education and Research Cooperation", DAAD Project in „Stability Pact Sponsored by Germany" (partner director 2012-2016, Budget: ~6000 EUR)
11. E-DRIVE-TOUR: bEyonD the boRder of electrIc VEhicles: an advanced inTeractive cOURse, Erasmus+ Programme, Knowledge Alliances, PROJECT NUMBER: 612522-EPP-1-2019-1-EL-EPPKA2-KA (partner director 2020-2022 (Total grant: 724.583 EUR, UCV Budget: 73.612 EUR)
12. STARTSEA: Surveying & MARiTime internet of thingS EducAtion, Erasmus+ Programme, Knowledge Alliances, PROJECT NUMBER: 612198-EPP-1-2019-1-ES-EPPKA2-KA (Member of Advisory Board)

Conference organizer

1. Co-initiated the "Intelligent Distributed Computing – IDC" series of international conferences, now at the 14-th edition
2. Co-organized as "conference chair":
- "5th International Conference on Computational Collective Intelligence Technologies and Applications – ICCCI'2013", 11-13 September 2013, Craiova, Romania
- "7th Balkan Conference in Informatics, BCI'2015", 2-4 September 2015, Craiova, Romania
- "2016 International Symposium on INnovations in Intelligent SysTems and Applications, INISTA'2016", 2-5 August 2016, Sinaia, Romania
- „2014 Workshop on Software Engineering: Computer Science Education and Research Cooperation", 25-29 August 2014, Sinaia, Romania
3. Co-organized as "program chair":
- "1st International Symposium on Intelligent and Distributed Computing, IDC'2007", October 18-20, Craiova, Romania
- "2nd International Conference on Web Intelligence, Mining and Semantics, WIMS'12", June 13-15, 2012, Craiova, Romania
4. PC member in more than 100 international conferences

Memberships

1. Founding member of the Romanian Association of Artificial Intelligence (ARIA)
2. TC Co-Chair of Technical Committee on Computational Collective Intelligence, IEEE SMC Society (https://www.ieeesmc.org/technical-activities/cybernetics/computational-collective-intelligence)
3. Member, ACM
4. Member, IEEE

Expert reviewer	1. CHIST-ERA Call 2011: The 2nd international call for research projects within the ERA-Net CHIST-ERA, (European Coordinated Research on Long-term Challenges in Information and Communication Sciences and Technologies) on “From Data to New Knowledge”. 2. PN-II-RU-TE-2014-4: Tinere Echipe 2014 3. Expert in project „Elaborarea Strategiei Nationale in domeniul Cercetarii, Dezvoltarii tehnologice si Inovarii pentru perioada 2014-2020”, ICT field 4. Expert reviewer. CHIST-ERA “Projects Seminar 2016” 5. Expert reviewer: FONDECYT Regular 2016 grant competition, Chilean National Science and Technology Commission (CONICYT - Chile) 6. Scientific expert: L’Agence Nationale de la Recherche (ANR), Apel 2016, France 7. Expert reviewer in the Open Call of the H2020 „Interoperability of Heterogeneous IoT Platforms – INTER-IoT” H2020 research project 8. Reviewer, UPB - GEX 2017, Internal competition of University „Politehnica” Bucharest 9. Expert evaluator AUF in Comisia nationala de evaluare pentru bursele doctorale si postdoctorale "Eugen Ionescu", 2020
Publications and citations	> 200 research papers in journals and conference proceedings indexed in Scopus > 150 papers are ISI indexed > 890 citations (without self-citations) Scopus indexed Hirsch index = 22 (Google Scholar) Hirsch index = 14 (Scopus) Hirsch index = 10 (WoS)