

Publications of Corneliu-Sabin Buraga

Peer-Reviewed Papers (Conferences and Journals)

1. "An OWL-Based Specification of Database Management Systems", *Computers, Materials & Continua*, 70 (3), 2022 (collaboration with D.Amariei and O.Dospinescu)
2. "A Knowledge-Based Pilot Study on Assessing the Music Influence", *Computers, Materials & Continua*, 66 (3), 2021 (collaboration with O.Dospinescu)
3. "A Web Service Composition Method based on OpenAPI Semantic Annotations", *International Conference on e-Business Engineering – ICEBE 2019, LNDECT*, volume 41, pp. 342-357, Springer, 2019 (collaboration with A.Netedu, P.Diac and L.Tucar)
4. "An Ontology for Reasoning on Body-based Gestures", *The 11th ACM SIGCHI Symposium on Engineering Interactive Computing Systems*, ACM, 2019 (collaboration with J.Vanderdonckt and M.Ousmer)
5. "A Knowledge-Based Model for Human Motion Tracking and Gesture Recognition in the Context of Natural Interaction with Kinect Devices", *Romanian Journal of Human-Computer Interaction*, 11(2), 2018 (collaboration with E.Creanga)
6. "Towards Open Source/Data in the Context of Higher Education: Pragmatic Case Studies Deployed in Romania", K. Crowston et al. (Eds.), *OSS 2016 – Open Source Systems: Integrating Communities*, IFIP AICT – Advances in Information and Communication Technology, Volume 472, Springer, 2016 (collaboration with A.Coman and A.Cîtea)
7. "Oculus Rift 3D Interaction and Nicotine Craving: Results from a Pilot Study", *Proceedings of the International Conference on Human-Computer Interaction – RoCHI 2016*, 2016 (collaboration with I.Ciolan and I.Dafinoiu)
8. "An Ontological Approach for Specifying Provenance into SPARQL Service Descriptions", R. Buchmann et al. (Eds.), *7th International Conference on Knowledge Science, Engineering and Management (KSEM 2014)*, Lecture Notes in Artificial Intelligence – LNAI 8793, Springer, 2014 (collaboration with C.Gheorghiu)
9. "A Knowledge-Based Approach to the User-Centered Design Process", *Communications in Computer and Information Science*, Volume 415, Springer, 2013 (collaboration with S.Negru)
10. "An Educational Tool for an Interactive Faceted Exploration of DBpedia Life Sciences Data", *Web Information Systems Engineering – WISE 2013, Part II*, Lecture Notes in Computer Science – LNCS, Volume 8181, Springer, 2013 (collaboration with S.Negru)
11. "DataEx: Interactive Relationship Explorer of Freebase Knowledge Repository", *Web Information Systems Engineering – WISE 2013, Part II*, Lecture Notes in Computer Science – LNCS, Volume 8181, Springer, 2013 (collaboration with S.Negru)
12. "A Web Tool for Extracting and Viewing the Semantic Markups", *6th International Conference on Knowledge Science, Engineering and Management (KSEM 2013)*, Lecture Notes in Computer Science – LNCS, Volume 8041, Springer, 2014 (collaboration with A.Panu)
13. "Qsense – Learning Semantic Web Concepts by Querying DBpedia", *Proceedings of 10th International Conference on E-Business – ICE-B 2013* (collaboration with A.Panu and L.Alboaie)
14. "Persona Modeling Process – From Microdata-based Templates to Specific Web Ontologies", *4th International Conference on Knowledge Engineering and Ontology Development (KEOD 2012)*, Barcelona, 2012 (collaboration with S.Negru)
15. "Disaster Prevention Integrated into Commonly Used Web Rendered Systems with GIS Capabilities", *International Journal of Computers, Communications and Control*, Volume 7, Issue 5, December 2012 (collaboration with M.Cioca and C.Cioranu)

16. "SUP: A Service Oriented Framework for Semantic User Profile Extraction and Representation", 8th International Conference on Intelligent Computer Communication and Processing (ICCP 2012), IEEE Computer Society Press, 2012 (collaboration with E.Boros, A.Ginsca, and L.Alboaie)
17. "Towards a Conceptual Model for Describing the Personas Methodology", 8th International Conference on Intelligent Computer Communication and Processing (ICCP 2012), IEEE Computer Society Press, 2012 (collaboration with S.Negru)
18. "PeRe: A Location-based Personal Semantic Web Recommender", International Conference on Automation Quality and Testing Robotics (AQTR), IEEE Press, 2012 (collaboration with G.Chetreanu, A.Mihaila, I.Vascu, G.Vlad, and L.Alboaie)
19. "SIGMA - Semantic Government Mash-Up Application: Using Semantic Web Technologies to Provide Access to Governmental Data", 10th International Symposium on Parallel and Distributed Computing (ISPD), IEEE Computer Society Press, 2011 (collaboration with C.Gheorghiu, R.Nicolescu, A.Bogdan, C.Ochisor, and L.Alboaie)
20. "SINUX – Ubuntu Spiced Up with Semantic Web", 10th Edition of RoEduNet International Conference, IEEE Computer Society Press, 2011 (collaboration with A.Gozman, D.Munteanu, A.Panu, and L.Alboaie)
21. "OWL-Based Modeling of RPG Games", Studia Universitatis Babes-Bolyai Informatica, 66 (3), 2011 (collaboration with M.Roman and I.Sandu)
22. "UpCity: A Service-Oriented Architecture for E-Participation", Proceedings of 6th International Conference on Web Information Systems and Technologies – WEBIST 2010, Valencia, Spain, INSTICC, 2010 (collaboration with A.Buzgar)
23. "Semantic Web-based Knowledge Management in Distributed Systems", B.Iantovics et al. (eds.), Post-proceedings of CANS – Complexity and Intelligence of the Artificial and Natural Complex Systems, IEEE Computer Society Press, 2009
24. "Trust and Reputation in e-Health Systems", S.Vlad, R.V.Ciupa, A.I.Nicu (eds.), International Conference on Advancements of Medicine and Health Care through Technology, IFMBE Proceedings, Volume 26, Springer, 2009 (collaboration with L.Alboaie)
25. "Enhancing User Experience on the Web via Microformats-Based Recommendations", J.Filipe, J.Cordeiro (eds.), Enterprise Information Systems. Revised Selected Papers, Lecture Notes in Business Information Processing – LNBIP Volume 19, Springer, 2009 (collaboration with A.P.Luca)
26. "CLAU – A Service-Oriented System for Complex Language Alignment: Architectural Aspects", POLIBITS – Research Journal on Computer Science and Computer Engineering with Applications, Issue 39, National Polytechnic Institute (IPN), Mexico City, 2009 (collaboration with C.Mihaila and C.Forascu)
27. "Web of Data as a Solution for Interoperability. Case Studies", in M.F.Vaida, M.Cremene (eds.), Distributed Environments. Adaptability, Semantics and Security Issues, International Romanian-French Workshop, 17-18 September 2009, U.T. Press, Cluj-Napoca, 2009
28. "DISMY – a Semantic Grid System Based on Linda, P2P and ALCHEMI", in Studia Universitatis "Babes-Bolyai", Informatica Special Issue – International Conference KEPT (Knowledge Engineering Principles and Techniques), 2009 (collaboration with A.Iacob)
29. "Enhancing Yahoo! Search Results Using Linked Open Data", in Studia Universitatis "Babes-Bolyai", Informatica Special Issue – International Conference KEPT (Knowledge Engineering Principles and Techniques), 2009 (collaboration with C.Amariei and E.Onica)
30. "An Ontology-based Approach for Modelling Grid Services in the Context of E-learning", International Journal of Web and Grid Services (IJWGS) – Special Issue on Web/Grid Information and Services Discovery and Management, Volume 4, Issue 4, 2008 (collaboration with M.Brut)
31. "Microformats based Navigation Assistant. A Non-intrusive Recommender Agent: Design and Implementation", Proceedings of the 10th International Conference on Enterprise Information Systems (ICEIS), Barcelona, 2008 (collaboration with A.P.Luca)

32. "A Competency-Oriented Modeling Approach for Personalized E-Learning Systems", Proceedings of the 3rd International Conference on Internet and Web Applications and Services, IEEE Computer Society Press, 2008 (collaboration with M.Brut, S.Dumitriu, Gh.Grigoras, M.Girdea)
33. "Ontology-Based Annotation Grid Services for E-Learning", in F.Xhafa, L.Barolli (eds.), Second International Conference on Complex, Intelligent and Software Intensive Systems (CISIS), IEEE Computer Society Press, 2008 (collaboration with M.Brut)
34. "SMS Disaster Alert System Programming", Second IEEE International Conference on Digital Ecosystems and Technologies – DEST, IEEE Press, 2008 (collaboration with M.Cioca and L.Cioca)
35. "Semantic Web-based Agent Applications – from Design to Collaborative Deployment", in D.Pharm, E.Eldukhri, A.Soroka (eds.), Innovative Production Machines and Systems (IPROMS), Whittles Publishing, CRC Press, 2008 (collaboration with T.Rusu and M.Cioca)
36. "A Web Service-based Solution for E-Learning Resources Annotation and Retrieval – Conceptual Architecture", in M.Iskander (ed.), Innovative Techniques in Instruction Technology, E-learning, E-assessment, and Education, Springer, 2008 (collaboration with M.Brut)
37. "A Semantic Web-based Approach for Modeling and Deploying Grid Services", Proceedings of the 8th International Conference on Technical Informatics – CONTI 2008, Timisoara, 2008
38. "Using the Grid and Semantic Web Technologies for Resource Management", in A.Graur et al. (eds.), Proceedings of the 9th International Conference on Development and Application Systems – DAS 2008, Suceava, 2008
39. "TELEMON – an SOA-based e-Health System. Designing the Main Architectural Components", in A.Graur et al. (eds.), Proceedings of the 9th International Conference on Development and Application Systems – DAS 2008, Suceava, 2008 (collaboration with L.Alboaie and V.Felea)
40. "Peer-to-Peer Wikis: Replication of Highly Dynamic Content on XWiki", Proceedings of the 9th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing – SYNASC, IEEE Computer Society Press, 2007 (collaboration with S.Dumitriu)
41. "From Information Wiki to Knowledge Wiki via Semantic Web technologies", in T.Sobh (ed.), "Innovations and Advanced Techniques in Computer and Information Sciences and Engineering", Springer, 2007 (collaboration with S.Dumitriu and M.Girdea)
42. "Knowledge Management in a Wiki Platform via Microformats", FLAIRS 2007 Conference Proceedings, AAAI Press, 2007 (collaboration with S.Dumitriu and M.Girdea)
43. "A Semantic Web-Based Repository for E-Learning Resources – Design And Implementation Aspects", Proceedings of the 3rd Balkan Conference in Informatics, Sofia, 2007 (collaboration with S.Dumitriu, M.Girdea, Gh.Grigoras, and M.Brut)
44. "Spatial (Elements) Decision Support System Used in Disaster Management", Inaugural IEEE International Conference on Digital Ecosystems and Technologies – DEST, IEEE Press, 2007 (collaboration with M.Cioca and L.Cioca)
45. "Service-Oriented Architecture for Health Systems", Proceedings of the 1st National Symposium on e-Health and Bioengineering – EHB, 2007 (collaboration with L.Alboaie)
46. "Grid-based Decision Support System Used in Disaster Management", Studies in Informatics and Control, Volume 16, Number 3, 2007 (collaboration with M.Cioca and L.Cioca)
47. "Ontology Editing Support – A Study of Existing Tools", International Symposium on Modeling, Simulation and System's Identification – SIMSIS 2007, Galati, 2007 (collaboration with D.Stefanescu)
48. "Grid Computing in the Context of Semantic Web-based Resource Management", The Proceedings of the 8th International Conference on Informatics in Economy, Editura Economica, 2007 (collaboration with L.Alboaie)
49. "Using Semantic Web Technologies to Discover Resources within the Intranet of an Organization", in D.T. Pham, E.E. Eldukhri, A.J. Soroka (eds.), Intelligent Production Machines and Systems (IPROMS), Elsevier, 2006 (collaboration with T.Rusu)

50. "Computer Aid Design of Polydimethylsiloxanes Copolymer with Imposed Water Delivery Properties", Selected Papers from the International Conference of Computational Methods in Sciences and Engineering (ICCMSE 2006), Lecture Series on Computer and Computational Sciences, Volume 7A-B, Brill Academic Publishers, 2006 (collaboration with T.Rusu and M.Pinteala)
51. "Semantic Web Technologies in the Context of Agent Applications. From Design to Practical Deployment", Advances in Electrical and Computer Engineering, Academy of Technical Sciences of Romania, Volume 6 (13), Number 1 (25), 2006
52. "Survey on Web Ontology Editing Tools", Proceedings of the 7th International Conference On Technical Informatics – CONTI 2006, Timisoara, 2006 (collaboration with L.Cojocaru and O.Nichifor)
53. "An XML-based Java Application for the Management of Online Questionnaires", Proceedings of the 5th RoEduNet IEEE International Conference, R.Brad (ed.), "L.Blaga" University Press, Sibiu, 2006 (collaboration with M.Brut and D.Onaca)
54. "Agent-based Searching Semi-structured Data on the Web", Proceedings of the 8th International Conference on Development and Application Systems – DAS 2006, Suceava University Press, 2006
55. "Towards Integrating Decision Tree with XML Technologies", Proceedings of the 8th International Conference on Development and Application Systems – DAS 2006, Suceava University Press, 2006 (collaboration with D.Gorea)
56. "Improvement of the Design Process by using Semantic Web Technologies", Proceedings of the 8th International Conference on Development and Application Systems – DAS 2006, Suceava University Press, 2006 (collaboration with M.Cioca and L.Cioca)
57. "A Reference Implementation of ADF (Agent Developing Framework): Semantic Web-Based Agent Communication", 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing – SYNASC 2005, IEEE Computer Society Press, 2005 (collaboration with C.Hritcu)
58. "An XML/RDF-based Proposal to Exchange Information within a Multi-Agent System", Proceedings of the NATO Advanced Research Workshop on Concurrent Information Processing and Computing, D.Grigoras, A.Nicolau (eds.), IOS Press, 2005 (collaboration with S.Alboaie and L.Alboaie)
59. "Using Web Programming, Modeling Languages and Reference Architectures in Modeling Production Systems", Proceedings of the 7th International Conference "Modern Technologies in Manufacturing", Cs.Gyenge (ed.), MTeM Press, Cluj, 2005 (collaboration with M.Cioca and L.Cioca)
60. "Modeling Aspects of Semantic Web-based E-learning Systems", in C.Oprean et al. (eds.), Proceedings of the 3rd Balkan Region Conference on Engineering Education, "L.Blaga" University Press, Sibiu, 2005 (collaboration with M.Cioca)
61. "Considerations Regarding the Use of Semantic Web Technologies in the Context of E-business Applications", Informatica Economica Review, no. 3 (35), Inforec Press, Bucharest, 2005
62. "Semantic Web-based E-business Applications", The 7th International Symposium on Informatics in Economy (Information and Knowledge Age) – IE 2005 Proceedings, Inforec Press, Bucharest, 2005 (collaboration with M.Cioca)
63. "Reengineering and Business Integration with Web Technologies, Architectures of Integration and Specialized Languages", Proceedings of 8th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" – TMT 2004, Neum, Bosnia and Herzegovina, 2004 (collaboration with M.Cioca)
64. "An XML-based Serialization of Information Exchanged by Software Agents", International Informatica Journal, Vol. 28, No. 1, April 2004 (collaboration with S.Alboaie and L.Alboaie)
65. "ADF – Abstract Framework for Developing Mobile Agents", in D.Petcu et al. (eds.), Proceedings of the 6th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing – SYNASC 2004, Mirton Publishing House, Timisoara, 2004 (collaboration with O.Nichifor)

66. "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 2004, Mirton Publishing House, Timisoara, 2004 (collaboration with L.Alboaie)
67. "The Use of Semantic Web Technologies in the Context of Virtual Environments", in S.Buraga et al. (eds.), Scientific Annals of the "Al.I.Cuza" University of Iasi – Computer Science Section, Tome XIV, 2004, "Al.I.Cuza" University Press House, Iasi (collaboration with S.Tanasa)
68. "Using XML Technologies for Information Integration within an E-Enterprise", Proceedings of the 7th International Conference on Development and Application Systems – DAS 2004, Suceava University Press, 2004 (collaboration with M.Cioca)
69. "Query Languages for Multimedia Information", Proceedings of the 7th International Conference on Development and Application Systems – DAS 2004, Suceava University Press, 2004 (collaboration with M.Brut)
70. "The Use of XML Technologies for Exchanging Information within a Multi-Agent System", International Scientific Journal of Computing, Vol. 2, Issue 3, 2003 (collaboration with L.Alboaie and S.Alboaie)
71. "A Distributed Platform based on Web Services for Multimedia Resource Discovery", Proceedings of the 2nd International Symposium on Parallel and Distributed Computing, IEEE Computer Society Press, 2003 (collaboration with P.Gabureanu)
72. "tuBiG – A Layered Infrastructure to Provide Support for Grid Functionalities", Proceedings of the 2nd International Symposium on Parallel and Distributed Computing, IEEE Computer Society Press, 2003 (collaboration with L.Alboaie and S.Alboaie)
73. "Instruments and Web Technologies for Implementing Architectures and Integration Informatics Systems in Virtual Enterprise", Proceedings of the 3rd International Conference on Research And Development In Mechanical Industry – RaDMI 2003, Herceg Novi, Montenegro Adriatic, 2003 (collaboration with M.Cioca)
74. "New Tools for Human Resource Management in e-Business: Combining UML Language, Reference Architectures and Web Programming", Proceedings of International Conference on Industrial Informatics (INDIN'03), R.Unland et al. (eds.), IEEE Industrial Electronics Society Press (collaboration with M.Cioca)
75. "ITW – An Architecture based on Distributed Web Components for Multimedia Resource Discovery", Scientific Annals of the "Al.I.Cuza" University of Iasi – Computer Science Section, Tome XIII, 2003, "Al.I.Cuza" University Press House, Iasi
76. "Open Methodologies for Developing Web-based E-Learning Systems", Proceedings of the International Conference on Manufacturing Science and Education Challenges of the European Integration, "L.Blaga" University Press, Sibiu, 2003 (collaboration with M.Cioca)
77. "Integration Methodologies of Enterprises in "e-Europe" Utilizing Reference Architectures, Modelling Languages and Web Technologies", Proceedings of the 6th International Conference "Modern Technologies in Manufacturing", Cs.Gyenge (ed.), MTeM Press, Cluj, Romania, 2003 (collaboration with M.Cioca)
78. "An XML-Based Agent-Oriented E-Learning System", The Annals of "Dunarea de Jos" University of Galati – Special Issue on Computer Assisted Instruction – Electrotehnics, Electronics, Automatic Control and Informatics Section, Fascicle III, 2003
79. "Developing Agent-Oriented E-Learning Systems", Proceedings of The 14th International Conference on Control Systems And Computer Science – vol.II, I.Dumitrache and C.Buiu (eds.), Politehnica Press, Bucharest, 2003
80. "Using Multimedia Presentations on Web", Proceedings of The 14th International Conference on Control Systems And Computer Science – vol.II, I.Dumitrache and C.Buiu (eds.), Politehnica Press, Bucharest, 2003 (collaboration with M.Brut)
81. "An XML-based Approach in Designing and Building of Web User-Interfaces", The 6th International Symposium on Economic Informatics (Digital Economy) – IE 2003 Proceedings, Infocrec Press, Bucharest, 2003
82. "A RDF-based Model for Expressing Spatio-Temporal Relations Between Web Sites", Proceedings of the 3rd International Conference on Web Information Systems Engineering – WISE 2002, Singapore, IEEE Computer Society Press, 2002 (collaboration with G.Ciobanu)

83. "A Model for Accessing Resources of the Distributed File Systems", in "Advanced Environments, Tools and Applications for Cluster Computing" Proceedings of the NATO ARW Mangalia, Romania, 1-6 September 2001, D.Grigoras et al. (eds.), Lecture Notes in Computer Science – LNCS 2326, Springer Verlag, 2002
84. "An XML-based Object-Oriented Infrastructure for Developing Software Agents", Scientific Annals of the "Al.I.Cuza" University of Iasi – Computer Science Section, Tome XII, 2002, "Al.I.Cuza" University Press House, Iasi (collaboration with S.Alboaie and L.Alboaie)
85. "Modeling Relations Between Web Resources", Transactions on Automatic Control and Computer Science, vol.47 (61), No.2, Politehnica Press, Timisoara, 2002
86. "Different XML-based Search Techniques on Web", Transactions on Automatic Control and Computer Science, vol.47 (61), No.2, Politehnica Press, Timisoara, 2002 (collaboration with M.Brut)
87. "VRML Representations of Lindenmayer Systems", Proceedings of the 6th International Conference on Development and Application Systems – DAS 2002, Suceava University Press, 2002 (collaboration with D.Stefanescu and E.Pecheanu)
88. "A Proposal for a Web Structural Search Language Based on XML Technologies", Scientific Annals of the "Al.I.Cuza" University of Iasi – Computer Science Section, Tome X, 2001, "Al.I.Cuza" University Press House, Iasi (collaboration with M.Brut)
89. "A RDF Proposal for Modeling Relationships Between A Teleconferencing System's Resources", The 7th International Symposium on Automatic Control and Computer Science – SACCS 2001 Proceedings, October 2001, Iasi
90. "Search Semi-Structured Data on Web", The 7th International Symposium on Automatic Control and Computer Science – SACCS 2001 CD-ROM Proceedings, October 2001, Iasi (collaboration with T.Rusu)
91. "Integrating Hypermedia Objects in an Intelligent Tutoring System", The 11th International Symposium on Modeling, Simulation and System's Identification – SIMSIS 2001 Proceedings, October 2001, Galati; also, published in The Annals of "Dunarea de Jos" University of Galati – Electrotehnics, Electronics, Automatic Control and Informatics Section, Fascicle III, 2001 (collaboration with E.Pecheanu, D.Stefanescu and A.Istrate)
92. "Pedagogical Agents in Intelligent Tutoring Systems", The 11th International Symposium on Modeling, Simulation and System's Identification – SIMSIS 2001 Proceedings, October 2001, Galati (collaboration with D.Stefanescu and E.Pecheanu)
93. "Modeling Relations Between Resources of an Internet Teleconferencing System", The 11th International Symposium on Modeling, Simulation and System's Identification – SIMSIS 2001 Proceedings, October 2001, Galati (collaboration with D.Stefanescu and E.Pecheanu)
94. "An Extensible Framework for Building Interactive Courses on Web", The 5th International Symposium on Economic Informatics – IE 2001 Proceedings, 2001, Infocore Press, Bucharest, 2001
95. "A RDF Description of Distributed File Systems", Scientific Annals of the "Al.I.Cuza" University of Iasi – Computer Science Section, Tome IX, 2000, "Al.I.Cuza" University Press House, Iasi
96. "An XML-based Query Language Used in Structural Search Activity on Web", Transactions on Automatic Control and Computer Science, Vol. 45 (59), No.3, Politehnica Press, Timisoara, 2000 (collaboration with T.Rusu)
97. "The Use of Neural Networks for Structural Search on Web", in "The 10th Edition of The International Symposium on System Theory – SINTES10 Proceedings", 2000 (collaboration with O.Gogan)

Other Published Peer-Reviewed Papers

1. "A Microformats-based Tool for Personal Data Management" (in Romanian), in S.Buraga & I.Juvina (eds.), Proceedings of the 5th National Conference on Human-Computer Interaction – RoCHI 2008, MATRIX ROM, Bucuresti, 2008 (collaboration with M.Butuc)

2. "User-Interaction in Social Web" (in Romanian), in D.M.Popovici & A.Marhan (eds.), Proceedings of the 4th National Conference on Human-Computer Interaction – RoCHI 2007, MATRIX ROM, Bucuresti, 2007
3. "Web Navigation Assistant based on Microformats" (in Romanian), in D.M.Popovici & A.Marhan (eds.), Proceedings of the 4th National Conference on Human-Computer Interaction – RoCHI 2007, MATRIX ROM, Bucuresti, 2007 (collaboration with A.P.Luca)
4. "Knowledge Management within Wiki. User-Interaction" (in Romanian), in D.M.Popovici & A.Marhan (eds.), Proceedings of the 4th National Conference on Human-Computer Interaction – RoCHI 2007, MATRIX ROM, Bucuresti, 2007 (collaboration with M.Girdea and S.Dumitriu)
5. "Studies regarding Interoperability of Web Services" (in Romanian), Studia Universitatis "Vasile Goldis" Arad, no. 16/2006, "Vasile Goldis" University Press, Arad, 2006
6. "Cluster Computing Raytracer" (in Romanian), Studia Universitatis "Vasile Goldis" Arad, no. 16/2006, "Vasile Goldis" University Press, Arad, 2006 (collaboration with S.Homoceanu)
7. "Visualizing Lindenmayer Fractals via XML-based Declarative Languages" (in Romanian), in C.Apostol & D.Gorgan (eds.), Proceedings of the 3rd National Conference on Human-Computer Interaction – RoCHI 2006, Infotec, Bucuresti, 2006
8. "Intelligence in Webdesign – concept and implementation" (in Romanian), in C.Apostol & D.Gorgan (eds.), Proceedings of the 3rd National Conference on Human-Computer Interaction – RoCHI 2006, Infotec, Bucuresti, 2006 (collaboration with L.Lacatus)
9. "Aspects of Design and Implementation of User-Interfaces for Mobile Devices in the Web Semantic Context" (in Romanian), in H.Pitariu & S.Buraga (eds.), Proceedings of the 2nd National Conference on Human-Computer Interaction – RoCHI 2005, ASCR Press, Cluj-Napoca, 2005
10. "Aspects of Designing the Interaction with Web Sites" (in Romanian), in H.Pitariu & S.Buraga (eds.), Proceedings of the 2nd National Conference on Human-Computer Interaction – RoCHI 2005, ASCR Press, Cluj-Napoca, 2005 (collaboration with A.Mironescu)
11. "Assuring Human-Computer Interaction thru Web Interfaces" (in Romanian), in S.Trausan-Matu & C.Pribeanu (eds.), Proceedings of the 1st National Conference on Human-Computer Interaction – RoCHI 2004, Printech, Bucuresti, 2004
12. "Representation of Lindenmayer Systems as XML Documents" (in Romanian), in "The First Conference on Computation Theory and Information Technology – CITTI 2000 Proceedings", May 2000, Constanta

Books *(in Romanian)*

1. "Web Services", Polirom Publishing House, Iasi, 2006 (320 pages) – collaboration with Lenuta Alboaie – ISBN 973-681-522-6
2. "XML Technologies", Polirom Publishing House, Iasi, 2006 (416 pages) – ISBN 973-46-0249-7
3. "First Steps in Linux", Polirom Publishing House, Iasi, 2006 – collaboration with Marius Marusteri and Dragos Acostachioaie (248 pages) – ISBN 973-46-0210-1
4. "Web Site Design (Second Edition)", Polirom Publishing House, Iasi, 2005 (348 pages) – ISBN 973-681-988-4
5. "Semantic Web", MATRIX ROM Publishing House, Bucharest, 2004 (244 pages) – ISBN 973-685-772-7
6. "Using Linux", Polirom Publishing House, Iasi, 2004 – collaboration with Dragos Acostachioaie (408 pages) – ISBN 973-681-542-0
7. "Multimedia Presentations on Web", Polirom Publishing House, Iasi, 2004 – collaboration with Mihaela Brut (256 pages) – ISBN 973-681-521-8
8. "Web Site Design", Polirom Publishing House, Iasi, 2002 (272 pages) – ISBN 973-681-113-1
9. "Web Programming in bash and Perl", Polirom Publishing House, Iasi, 2002 – collaboration with Victor Tarhon-Onu and Stefan Tanasa (256 pages) – ISBN 973-683-931-1
10. "Web Technologies", MATRIX ROM Publishing House, Bucharest, 2001 (2 volumes, 660 pages) – ISBN 973-685-280-6
11. "Programming Workshop on Computer Networks", Polirom Publishing House, Iasi, 2001 – collaboration with Gabriel Ciobanu (240 pages) – ISBN 973-683-755-6

Edited Books *(in Romanian)*

1. "Web 2.0 Programming", Polirom Publishing House, Iasi, 2007 (264 pages) – ISBN 978-973-46-0816-4
2. "Web Sites. Professional Solutions of Implementation", Polirom Publishing House, Iasi, 2004 (368 pages) – ISBN 973-681-785-7
3. "Web Applications", Polirom Publishing House, Iasi, 2003 (272 pages) – ISBN 973-681-456-4

Edited Proceedings

1. Proceedings of the National Conference on Human-Computer Interaction – RoCHI 2008, MATRIX ROM, Bucuresti, 2008 (edited in collaboration with I.Juvina) – ISSN 1843-4460
2. Proceedings of the Romanian Symposium on Computer Science (ROSYCS) – Database Theory and Practice in the Context of (Semantic) Web Technologies, "Al.I.Cuza" University Press House, Iasi, 2006 (edited in collaboration with V.Felea) – ISSN 1224-2268
3. Proceedings of the Second National Conference on Human-Computer Interaction – RoCHI 2005, ASCR Press, Cluj-Napoca, 2005 (edited in collaboration with H.Pitariu) – ISBN 973-7973-25-9

Articles focused on Computer Science Popularization: Published in IT Magazines

1. "Webolution" (in Romanian), NET Report, vol.12, 04 (127), April 2003
2. "Dialogues about SOAP" (in Romanian), NET Report, vol.12, 02 (125), February 2003 (collaboration with L.Alboaie)
3. "CGI Scripts in bashlib" (in Romanian), NET Report, vol.11, 11 (122), November 2002 (collaboration with S.Tanasa)
4. "Regular Expressions in Perl" (in Romanian), NET Report, vol.11, 09 (120), September 2002 (collaboration with V.Tarhon-Onu)
5. "Administration of Web Servers" (in Romanian), NET Report, vol.11, 07 (118), July 2002 (collaboration with D.Acostachioaie)
6. "RPC Mechanism" (in Romanian), NET Report, vol.11, 06 (117), June 2002
7. "CGI Scripts in bash" (in Romanian), NET Report, vol.11, 05 (116), May 2002 (collaboration with S.Tanasa)
8. "Bash as a Programming Language" (in Romanian), NET Report, vol.11, 04 (115), April 2002 (collaboration with S.Tanasa)
9. "XML in Perl" (in Romanian), NET Report, vol.11, 03 (114), March 2002
10. "CGI Scripts in Perl" (in Romanian), NET Report, vol.11, 02 (113), February 2002

11. "Databases and XML in Perl" (in Romanian), NET Report, vol.11, 01 (112), January 2002
12. "CGI versus Servlets - part II" (in Romanian), NET Report, vol.11, 01 (112), January 2002 (collaboration with S.Andrei)
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Last update: 17 January 2022

