

Scientific articles published in 2012-2015

A1. Articles in journals and in conference proceedings volumes, indexed ISI

Authors in the doctorate domain System Engineering

Theodor Borangiu and Ph.D. students

1. Morariu, O., Borangiu, Th., Raileanu, S. (2015). Redundancy Mechanisms for Virtualized MES Workloads in Private Cloud, in Springer Series Studies in Computational Intelligence and Complexity, Vol. 594, Chapter 14, p. 147-156, DOI: 10.1007/978-3-319-15159-5-14, Springer, ISBN 978-3-319-15159-5_14, WOS: 000388437300014
2. Borangiu, Th., Morariu, C., Morariu, O., Dragoicea, M., Raileanu, S., Voinescu, I. (2015). A Service oriented architecture for total manufacturing enterprise integration, in Nóvoa, H., Dragoicea, M., (Eds.) Exploring Service Science, Springer Series Lecture Notes in Business Information, Vol. 201, Chapter 8, p. 95-108, DOI: 10.1007/978-3-319-14980-6-8, Springer, ISBN 978-3-319-14979-0, WOS:000357487100008
3. Morariu, O., Borangiu, Th., Raileanu, S., Morariu, O. (2015). Redundancy and scalability for virtualized MES Systems with Programmable Infrastructure, Computers in Industry, In Press, Available online, 9 October 2015, DOI: 10.1016/j.compind.2015.08.011, Elsevier, WOS: 000378954700003
4. Raileanu, S., Anton, F., Iatan, A., Borangiu, Th., Anton, S., Morariu, O. (2015). Resource scheduling based on energy consumption for sustainable manufacturing, Journal of Intelligent Manufacturing, DOI 10.1007/s10845-015-1142-5, Print ISSN: 0956-5515, On line ISSN: 1572-8145, Springer, published on line: 20 August 2015, IF = 1.995
5. Morariu, O., Morariu, C., Borangiu, Th. (2015). vMES: Virtualization Aware Manufacturing Execution System, J. Computers in Industry, no. 67, February 2015, p. 27-37, Elsevier, WOS: 000349585700003 DOI:10.1016/j.compind.2014.11.003
6. Morariu, O, Morariu, C., Borangiu, Th. (2014). Resource, Service and Product: Real-Time Monitoring Solution for Service Oriented Holonic Manufacturing Systems, in Springer Series Studies in Computational Intelligence and Complexity, Vol. 544, Chapter 4, p. 47-62, DOI 10.1007/978-3-319-04735-5-4, Springer, ISBN: 978-3-319-04734-8, WOS: 000388251900004
7. Borangiu, Th., Dragoicea, M., Oltean, V. E., Iacob, I. (2014). A Generic Service System Activity Model with Event-Driven Operation Reconfiguring Capability, in Springer Series Studies in Computational Intelligence and Complexity, Vol. 544, Chapter 11, p. 159-175, DOI 10.1007/978-3-319-04735-5-11, ISBN: 978-3-319-04734-8, WOS: 000388251900011
8. Raileanu, S., Borangiu, Th., Radulescu, S. (2014). Towards an Ontology for Distributed Manufacturing Control, in Springer Series Studies in Computational Intelligence and Complexity, Vol. 544, Chapter 7, p. 97-109, DOI 10.1007/978-3-319-04735-5-7, ISBN: 978-3-319-04734-8, WOS: 000388251900007
9. Borangiu, Th., Oltean, V. E., Dragoicea, M., Falcao e Cunha, J., Iacob, I. (2014). Some Aspects Concerning a Generic Service Process Model Building, in (Snene, M., Leonard, M., Eds) Exploring Service Science, Springer Series Lecture Notes in Business Information, Vol. 169, Chapter 1, p. 1-16, DOI: 10.1007/978-3-319-04810-9-1, Springer, ISBN 978-3-319-04810-9, WOS:000342692500001
10. Dragoicea, M., Borangiu, Th., Falcao e Cunha, J., Oltean, V. E., Faria, J., Radulescu, S. (2014). Building an Extended Ontological Perspective on Service Science, in (Snene, M., Leonard, M., Eds) Exploring Service Science, Springer Series Lecture Notes in Business Information, Vol. 169, Chapter 2, p. 17-30, DOI: 10.1007/978-3-319-04810-9-2, Springer, ISBN 978-3-319-04810-9, WOS:000342692500002
11. Morariu, O., Morariu, C., Borangiu, Th. (2014). Shop-floor Resource Virtualization Layer with Private Cloud Support, Journal of Intelligent Manufacturing, Springer, January 30, 2014, DOI: 10.1007/s10845-014-0878-7, ISSN: 0956-5515, <http://link.springer.com/article/10.1007/s10845-014-0878-7> , WOS: 000372173800013
12. Morariu, O., Morariu, C., Borangiu, Th. (2014). Smart Resource Allocations for Highly Adaptive Private Cloud Systems, Journal of Control Engineering and Applied Informatics, vol. 16 . no. 3, 2014, p. 23-34, ISSN 1454-8658, WOS: 000342715400003
13. Morariu, O., Borangiu, Th., Morariu, C., Raileanu, S. (2014). Multi-Agent System for Heterarchical Product-Driven Manufacturing, in Proceedings vol. of the 19th Int. Conf. on Automation, Quality and Testing,

Robotics, AQTR'14, May 22-24 Cluj-Napoca, Romania, DOI:10.1109/AQTR.2014.6857897, IEEE Xplore Digital Library, ISBN 978-1-4799-3730-1, 978-1-4799-3731-8, WOS: 000346131600063

14. Raileanu, S., Borangiu, Th. Morariu, O., Stocklosa, O. (2014). ILOG-based Mixed Planning and Scheduling System for Job Shop Manufacturing, in Proceedings vol. of the 19th Int. Conf. on Automation, Quality and Testing, Robotics, AQTR'14, May 22-24 Cluj-Napoca, Romania, DOI: 978-1-4799-3731-8, ISBN 978-1-4799-3731-8, IEEE Xplore Digital Library, WOS: 000346131600064
15. Morariu, O., Morariu, C., Borangiu, Th. (2014). Formalized Information Representation for Intelligent Products in Service-Oriented Manufacturing, International Journal of Computer Integrated Manufacturing, 20 (7), Special issue on "Advances for the next Generation of Intelligent Manufacturing Systems", Francis & Taylor, ISSN 0951-192X (Print), 1362-3052 (Online)
16. Borangiu, Th., Raileanu, S., Trentesaux, D, Berger, T., Iacob, I. (2014). Distributed Manufacturing Control with Extended CNP Interaction of Intelligent Products, Journal of Intelligent Manufacturing (2014), Vol. 25, issue 5, p. 1065–1075, Springer, DOI: 10.1007/s10845-013-0740-3, ISSN: 0956-5515, WOS: 000341501800018
17. Morariu, O., Morariu, Cristina and Th. Borangiu (2013). Transparent Real Time Monitoring for Multi-tenant J2EE Applications, Journal of Control Engineering and Applied Informatics, ISSN 1454-8658, vol. 15, no. 4 (2013), p. 37-46, WOS: 000329083400004
18. Morariu, C., Morariu, O., Borangiu, Th. (2013). Customer order management in service oriented holonic manufacturing, Computers in Industry, Vol. 64, Issue 8, p. 1061–1072, ISSN 0166-34615, DOI: 10.1016/j.compind.2013.07.007, Elsevier, WOS: 000325675600015
19. Borangiu, Th., Dragoicea, Monica, Oltean Ecaterina and Iulia Iacob (2013). A Model for Open, On-Demand, Collaborative Education for Service Science, Proceedings of the 4th International Conference on Exploring Service Science IESS 2013, February 7-8, 2013, Porto, Lecture Notes in Business Information Processing, Vol. 143, p. 306-312, Springer, ISBN 978-3-642-36356-6, WOS:000342691500024
20. Morariu, O., Morariu, C., Borangiu, Th. (2013). Multi Layer QoS Monitoring in Private Clouds, Proceedings of the 24th International Workshop on Database Expert Systems Applications, DEXA'13, IEEE Computer Society 2013, DOI: 10.1109/DEXA.2013.31, ISBN: 978-0-7695-5070-1, WOS: 000335791800043
21. Morariu, C., Morariu, O., Borangiu, Th. (2013). Advanced Shop-Floor Scheduling with Genetic Algorithm for Combined Horizon Optimization in Holonic Manufacturing Systems. In (Marik, V., Ed.) Industrial Applications of Holonic and Multi-Agent Systems HOLOMAS'13, Lecture Notes in Computer Science, Vol. 8062, 2013, p. 25-36 , DOI: 10.1007/978-3-642-40090-2_3, ISBN 978-3-642-40089-6, Springer
22. Morariu, O., Morariu, C., Borangiu, Th. (2013). From Service Oriented to Cloud Powered Manufacturing Systems, Proceedings of the 6th IEEE/ACM International Conference on Utility and Cloud Computing, IEEE Technical Committee on Scalable Computing, 2013, Dresden, Germany
23. Borangiu, Th., Dumitrache, A., Dogar, A. (2012). Heuristic solution for constrained 7-DOF motion planning in 3D scanning application, Control Engineering Practice, Volume 20, Issue 2, p. 93-101 (2012), ISSN: 09670661, Elsevier Ltd., DOI: 10.1016/j.conengprac.2011.07.008, WOS: 000299987600001
24. Borangiu, Th., Răileanu, S., Stocklosa, O., Tahon, C., Berger, T., Trentesaux, D. (2012). Service Oriented Control Framework for a Holonic System Characterized by a Guided Flow of Entities. In (Borangiu, Th., Thomas, A., Trentesaux, D., Eds.) Service Orientation in Holonic and Multi-Agent Manufacturing Control, Springer Series SCI, Vol. 402, Chapter 2, p. 21-34, DOI: 10.1007/978-3-642-27449-7_2, Springer, WOS: 000309734000002
25. Raileanu, S., Parlea, M., Borangiu, Th., Stocklosa, O. (2012). A JADE Environment for Product Driven Automation of Holonic Manufacturing. In (Borangiu, Th., Thomas, A., Trentesaux, D., Eds.) Service Orientation in Holonic and Multi-Agent Manufacturing Control, Springer Series SCI, Vol. 402, Chapter 20, p. 265-278, DOI: 10.1007/978-3-642-27449-7_20, Springer, WOS: 000309734000020
26. Morariu, C., Morariu, O., Borangiu, Th. (2012). Volunteer Based Search Engine for Holonic Manufacturing Services. In (Borangiu, Th., Thomas, A., Trentesaux, D., Eds.) Service Orientation in Holonic and Multi-Agent Manufacturing Control, Springer Series SCI, Vol. 402, Chapter 22, p. 293-306, DOI: 10.1007/978-3-642-27449-7_22, Springer, WOS: 000309734000022
27. Dumitrache. A., Borangiu, Th., Pateloup, S., Gogu, G. (2012). Knowledge-based Adaptive Machining for Service Oriented Architectures. In (Borangiu, Th., Thomas, A., Trentesaux, D., Eds.) Service Orientation in Holonic and Multi-Agent Manufacturing Control, Springer Series SCI, Vol. 402, Chapter 25, p. 335-348, DOI: 10.1007/978-3-642-27449-7_25, Springer, WOS: 000309734000025
28. Morariu, O., Morariu, C., Borangiu, Th. (2012). A genetic algorithm for workload scheduling in cloud based e-learning, Proceedings of the 2nd International Workshop on Cloud Computing Platforms, ACM 2012, New York, p. 5, DOI:10.1145/2168697.2168702, ISBN: 978-1-4503-1161-8
29. Morariu, O., Morariu, C., Borangiu, Th. (2012). A Genetic Algorithm for Workload Scheduling in Cloud based e-Learning, in Proceedings Vol. of the 18th IEEE International Conference on Automation, Quality and

Testing, Robotics AQTR 2012, May 24-27, Cluj-Napoca, Romania, DOI: 10.1109/AQTR.2012.6237673, ISBN 978-1-4673-0701-7

30. Morariu, Cristina, Morariu, O., Borangiu, Th. (2012). Modelling and Simulation for Service-Oriented Agent Based Manufacturing Systems, Proceedings of the 18th IEEE Int. Conference "Automation Quality, Testing and Robotics AQTR'12", Cluj-Napoca, p. 44-49, DOI: 10.1109/AQTR.2012.6237673, ISBN 978-1-4673-0701-7
31. Dumitrache, A., Borangiu, Th. (2012). IMS10-image-based milling toolpaths with tool engagement control for complex geometry, Engineering Applications of Artificial Intelligence, Vol. 25, Issue 6, p. 1161-1172, DOI: 10.1016/j.engappai.2011.026, Pergamon Press, WOS: 000308122700006

Cătălin Buiu and Ph.D. students

32. V. Roman, C. Buiu (2015). Automatic analysis of radio meteor events using neural networks, Earth, Moon, and Planets (IF=0.667), 116(2):101-113, <http://dx.doi.org/10.1007/s11038-015-9473-y>, 2015 (WOS:000365206400001)
33. C. Buiu, S. Avram, D. Duda-Seiman, A. L. Milac, C. Duda-Seiman, L. Pacureanu, F. Borcan (2014). More Effective DPP4 Inhibitors as Antidiabetics Based on Sitagliptin Applied QSAR and Clinical Methods, Current Computer-Aided Drug Design (IF=1.942), 10(3), pp. 237-249, (Accession no. 000350338600007)
34. S. Avram, A. Milac, M. Mernea, D. Mihailescu, M. V. Putz, C. Buiu (2014). Structure-biological function relationship extended to mitotic arrest-deficient 2-like protein Mad2 native and mutants—new opportunity for the genetic disorders control, International Journal of Molecular Sciences (ISSN 1422-0067; CODEN: IJMCFK; ISSN 1661-6596 for printed edition, IF=2.339), Vol. 15 (11), pp. 21381-21400, (Accession no.: 000345529200119)
35. S. Avram, S. Shaposhnikov, C. Buiu, M. Mernea (2014). Chondroitin sulfate proteoglycans – Structure-function relationship with implication in neural development and brain disorders, BioMed Research International (ISSN 2314-6133, IF=2.88), Article ID 642798, 11 pages, <http://dx.doi.org/10.1155/2014/642798>, (Accession no.: 000336324300001)
36. S. Avram, C. Buiu, F. Borcan, A. Milac (2012). More effective antimicrobial mastoparan derivatives, generated by 3D QSAR-Almond and computational mutagenesis, Molecular BioSystems (ISSN 1742-206X, IF=3.35, RIS=1.54137), Vol. 8, No. 2, pp. 587-594, doi:10.1039/c1mb05297g, (Accession no.: 000298994900018)
37. S. Avram, C. Buiu, D. Duda-Seiman, C. Duda-Seiman, F. Borcan, D. F. Mihailescu (2012). Evaluation of the pharmacological descriptors related to the induction of antidepressant activity and its prediction by QSAR/QRAR methods, Mini-Reviews in Medicinal Chemistry (ISSN 1389-5575, IF=2.865, RIS=1.90955), Vol. 12, No. 6, pp. 467-476, (Accession no.: 000305730800004)
38. V. Roman, C. Buiu (2015). Automatic detection of meteors in spectrograms using artificial neural networks, 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics, Timisoara, May 21-23, pp. 131-134, doi: 10.1109/SACI.2015.7208185, (WOS:000382384100047)
39. V. Roman, C. Buiu (2015). A self-organizing map-based approach to automatic meteor detection in radio spectrograms, Proceedings of the 7th International Conference on Electronics, Computers, and Artificial Intelligence ECAI 2015, Bucharest, pp. 75-78, doi: 10.1109/ECAI.2015.7301164, June 2015, WOS:000370971100029
40. Irina O. Petre, C. Buiu (2015). An integrated gene expression analysis approach, Proceedings of the IEEE E-Health and Bioengineering Conference (EHB), Iasi, Romania, pp. 1-4, doi: 10.1109/EHB.2015.7391442, (WOS:000380397900095)
41. C. Buiu, M. Gânsari (2014). Designing Robotic Avatars in Second Life - A Tool to Complement Robotics Education, 2014 IEEE Global Engineering Education Conference (EDUCON), Istanbul, April 3-4, 2014 (acc. No.: WOS:000343764100171)

Radu Dobrescu and Ph.D. students

42. I. Branescu-Raspop, V. Purcarea, R. Dobrescu (2015). Improving Query Mechanisms for Biomedical Ontologies, Int. Journal of Biology and Biomedical Engineering, Vol. 9, pp. 56- 64
43. A. Jarnea, G. Florea, R. Dobrescu (2015). New image processing algorithms for traffic signs recognition, International Journal of Circuits, Systems and Signal Processing, Vol. 9, pp.145-152
44. Branescu, I., Purcarea, V.L., Dobrescu, R. (2014). Solutions for medical databases optimal exploitation, Journal of Medicine and Life, Vol. VII, Iss 1, January-March 2014, p.109-118
45. G. Florea, R. Dobrescu (2014). Risk and Hazard control hosted on Cloud, International Journal of Systems Applications, Engineering & Development, Volume 8, 2014, p.250-259

46. R. Dobrescu, G. Florea (2014). Energy-Efficient Method for Cooperative Spectrum Sensing in Cognitive Radio Networks, International Journal of Advances in Computer Networks and Its Security– IJCNS Volume 4 : Issue 3, 2014, pp. 166-170
47. Popeanga, C., Dobrescu, R., Ionescu, G., et al. (2012). Pseudo Fractal Tri-band Dipole Antenna for Mobile Wireless Sensors Networks, Control Engineering and Applied Informatics, Volume 14, Issue 2, p. 13-20
48. Florea, G, Chenaru, O., Dobrescu, R., Popescu, D. (2015). Evolution from Power Grid to Smart Grid: Design challenges, 19th International Conference on System Theory, Control and Computing (ICSTCC), p.912-916
49. Virginia Sandulescu, Radu Dobrescu (2015). Wearable System for Stress Monitoring of Firefighters in Special Missions, Proc. of 5-th edition of the International Conference on e-Health and Bioengineering, EHB 2015, on CD 3. V. Sandulescu, S. Andrews, D. Ellis, R. Dobrescu, O. M. Mozos - Mobile App for Stress Monitoring using Voice Features, Proc. of 5-th edition of the International Conference on e-Health and Bioengineering, EHB 2015
50. S. Popa, R. Dobrescu (2015). Petri Net Models in Computational Biology Proc. of 5-th edition of the International Conference on e-Health and Bioengineering, EHB 2015
51. G.Stamatescu, D. Popescu, R. Dobrescu (2014). Cognitive Radio as Solution for Ground-Aerial Surveillance through WSN and UAV Infrastructure, Proc. of ECAI 2014 Int. Conf.
52. Popa, C., Mocanu, S., Dobrescu, R. (2013). Audience indicators for geospatial marketing using traffic data from cellular networks, Proc. of the 2nd International Conference on Systems and Computer Science (ICSCS), p. 268-273, ISBN 978-1-4799-2020-4
53. Gh. Florea, R. Dobrescu, O. Rohat (2013). From bridge to control hub — The power Smart Grid evolution, Proc. of the 2nd International Conference on Systems and Computer Science (ICSCS), p. 111-120
54. Gheorghe Florea, Radu Dobrescu, Dan Popescu, Matei Dobrescu (2013). Wearable System for Heat Stress Monitoring in Firefighting Applications, Recent Advances in Computer Science and Networking, Proceedings of the 2nd International Conference on Information Technology and Computer Networks (ITCN '13), pp.129-134, ISBN: 978-960-474-336-0
55. Radu Dobrescu, Loretta Ichim (2013). Characterization of Tumor Angiogenesis Using Fractal Measures, Proc. of the 19th International Conference on Control Systems and Computer Science (CSCS), p.345-349, May 21-27, 2013
56. Șt. Arghir, R. Dobrescu, G. Florea (2012). A Knowledge Based Algorithm for Plant Operation in Critical Situations, Proceedings of the 14-th IFAC Symposium on Information Control Systems in Manufacturing, 2012, p.1000-1004
57. Popescu, Dan; Dobrescu, Radu; Maciuca, Andrei; et al. (2012). Smart sensor network for continuous monitoring at home of elderly population with chronic diseases, Proc. of 20th Telecommunications Forum (TELFOR), p. 603-606, 2012
58. C. Popeanga, R. Dobrescu, N. Cristov (2012). Smart monitoring and controlling of wind turbines farms based on wireless sensors networks, 1st International Conference on Systems and Computer Science (ICSCS), 2012

Ioan Dumitrache and Ph.D. students

59. Guta, S., Dumitrache, I., Ioannidis, J. (2015). Towards the Smart Tannery Enterprise – Journal of the Society of Leather Technologists and chemists” (SLTC – Journal), no. 1 (2015), pag. 151-156
60. D. Repta, M.Moisescu, I.Sacală, I. Dumitrache, A.M.Stănescu (2014). Towards the development of semantically enabled flexible process monitoring systems, International Journal of Computer Integrated Manufacturing, 2/2014, p. 1-13
61. O.Arsene, I.Dumitrache, I. Mihu (2014). Expert System for medicine diagnosis using software agents – Expert Systems and Applications, 42(2014), p. 1825-1834
62. S.Avrăm, V.Velter, I.Dumitrache (2014). Semantic Analysis Applications in Computational Biometrics – Control Engineering and Applied Informatics Journal, Vol.16, no.1, pp.62-69, 2014
63. C.I. Vasile, A.B. Pavel, I. Dumitrache (2013). Universality of Enzymatic Numerical P Systems, International Journal of Computer Mathematics, 2013
64. B.A. Hanchevici, M. Patrascu, I. Dumitrache (2012). A hybrid PID-Fuzzy Control Linear SISO Systems with variant Communication Delays, Advances in Fuzzy Systems, 2012
65. C.I. Vasile, A.B. Pavel, I. Dumitrache, Gh. Paun (2012). On the power of enzymatic numerical P systems, Acta Informatica, September 2012, ISI indexed Vol. 49, Issue 6, pp. 395-412, <http://link.springer.com/journal/236>

66. A.B. Pavel, C.I. Vasile, I. Dumitrache, J. Kelemen (2012). Implementing obstacle avoidance and follower behaviors on robots using Numerical P systems, ISI Proceedings of the 10-th Brainstorming Week on Membrane Computing, vol. 2, pp.215- 228
67. A.B. Pavel, C.I. Vasile, I. Dumitrache (2012). Improving the universality results of Enzymatic Numerical P Systems, Proceedings of 10-th Brainstorming week on Membrane Computing, ISI vol. 2, pp. 207-214
68. A.B. Pavel, C.I. Vasile, I. Dumitrache (2012). Robot localization implemented with enzymatic numerical P systems, Living Machines 2012 – the International Conference on Biomimetic and Biohybrid Systems, Barcelona, Spain 2012, Proceedings in Lecture Notes in Artificial Intelligence, Springer, ISI Vol. 7375
69. A.B. Pavel, C.I. Vasile, I. Dumitrache (2012). Numerical P systems and applications in robot controlling, Proc. 10-th Brainstorming week Membrane Computing – Seville, 2012

Bogdan Dumitrescu and Ph.D. students

70. C.Rusu, B.Dumitrescu, S.A.Tsaftaris (2014). Explicit Shift-Invariant Dictionary Learning, IEEE Signal Processing Letters, vol.21, no.1, pp.6-9, Jan. 2014. (IF=1.639)
71. C.Rusu, B.Dumitrescu (2012). Iterative Reweighted l1 Design of Sparse FIR Filters, Signal Processing, vol.92, no.4, pp.905-911, Apr. 2012 (IF=2.238)

Sergiu Stelian Iliescu and Ph.D. students

72. Grigoriu, R.-O., Voda, A., Arghira, N., S. St. Iliescu (2015). Modelling of Greenhouse using Parabolic Trough Collectors Thermal Energy, Proceedings of 9th IFAC Symposium on Control of Power and Energy Systems CPES IFAC-PapersOnLine, Volume 48, Issue 30, 2015, p. 450-455
73. Borascu, I.C., S. St. Iliescu (2015). Adaptive distance protection scheme for high resistance phase to phase faults on double-circuit transmission line, Proceedings of 20th International Conference on Control Systems and Computer Science, CSCS 2015, IEEE (2015), p. 972-977
74. Gusa, D., Iordache, G., S. St. Iliescu (2015). Dynamic behavior of wind power plants connected in the Romanian power system, Proceedings of 20th International Conference on Control Systems and Computer Science, CSCS 2015, IEEE (2015), pp 984-988
75. Iordache, G., Gusa, D. , S. St. Iliescu (2015). Reactive power and voltage control in the romanian transmission network in presence of wind power generation, Proceedings of 20th International Conference on Control Systems and Computer Science, CSCS 2015, IEEE (2015), pp 967-971
76. Stamatescu, G., Stamatescu, I., Arghira, N., S. St. Iliescu et al (2015). Embedded Networked Monitoring and Control for Renewable Energy Storage Systems, Proceedings of 12th International Conference on Development and Application Systems (DAS), Suceava, Romania, May 15-17, 2015, IEEE (2015), p. 1-6
77. Stamatescu, I., Stamatescu, G., Arghira, N., S. St. Iliescu et al (2015). Fuzzy Decision Support System for Solar Tracking Optimization, Proceedings of 12th International Conference on Development and Application Systems (DAS), Suceava, Romania, May 15-17, 2014, IEEE (2015), p. 16-20
78. Stamatescu, G., Stamatescu, I., Arghira, N., S. St. Iliescu et al (2014). Innovative SCADA Test Bed Infrastructure For Engineering Education And Research, Proceedings of 10th International Scientific Conference on eLearning and Software for Education (eLSE), Bucharest, Romania, April 24-25, 2014, Carol I Natl Defence Univ Publishing House, pp 464-471
79. Stamatescu, I; Fagarasan, I; Stamatescu, G; Arghira, N S. St. Iliescu (2013). Design and Implementation of a Solar-Tracking Algorithm, Proceedings of 24th DAAAM International Symposium on Intelligent Manufacturing and Automation, Univ Zadar, Zadar, Croatia, Oct. 23-26, 2013, Elsevier Sci. BV (2013), pp 500-507

Ion Necoară and Ph.D. students

80. I. Necoara. A. Patrascu (2014). A random coordinate descent algorithm for optimization problems with composite objective function and linear coupled constraints, Computational Optimization and Applications, 57(2): 307-337, 2014 (ISSN: 0926-6003, IF = 1.3)
81. I. Necoara, D. Clipici (2013). Efficient parallel coordinate descent algorithm for convex optimization problems with separable constraints: application to distributed MPC, Journal of Process Control, 23(3): 243-253, 2013 (ISSN: 0959-1524, IF =2.65)
82. A. Patrascu, I. Necoara (2015). Random coordinate descent methods for l0 regularized convex optimization, IEEE Transactions on Automatic Control, 60(7): 1811–1824, 2015 (ISSN: 0018-9286, IF=2.78)
83. A. Patrascu, I. Necoara (2015). Efficient random coordinate descent algorithms for large-scale structured nonconvex optimization, Journal of Global Optimization, 61(1): 19–46, 2015 (ISSN: 0925-5001, IF=1.307)

84. I. Necoara, A. Patrascu (2015). On the behavior of first-order penalty methods for conic convex programming when Lagrange multipliers do not exist, invited paper in session "Large scale optimization", Proceedings of Conference on Decision and Control, 2015 (ISI, ieeexplore)
85. I. Necoara, A. Patrascu, R. Findeisen (2015). Rate of convergence analysis of a dual fast gradient method for general convex optimization, Proceedings of Conference on Decision and Control, 2015 (ISI, ieeexplore)
86. A. Patrascu, I. Necoara, P. Patrinos (2014). A proximal alternating minimization method for ℓ_0 regularized nonlinear optimization problems: application to state estimation, Proceedings of Conference on Decision and Control, 2014 (ISI, ieeexplore)
87. I. Necoara, V. Nedelcu, D. Clipici (2013). Feasible distributed MPC scheme for network systems based on an inexact dual gradient method, Proceedings of Asian Control Conference, 2013 (ISI, ieeexplore).
88. I. Necoara, D. Clipici (2013). A computationally efficient parallel coordinate descent algorithm for MPC implementation on a PLC, Proceedings of European Control Conference, 2013 (ISI, ieeexplore)
89. A. Patrascu, I. Necoara (2013). A random coordinate descent algorithm for large-scale sparse nonconvex optimization, Proceedings of European Control Conference, 2013 (ISI, ieeexplore)
90. I. Necoara, D. Clipici, S. Oлару (2013). Distributed model predictive control of leader-follower systems using an interior point method with efficient computations, Proceedings of American Control Conference, 2013 (ISI, ieeexplore)

Cristian Oară and Ph.D. students

91. F. Tudor, C. Oara (2014). H2 optimal control for generalized discrete-time systems, Automatica, Vol. 50(5), 2014, pp. 1526-1530. [Q1/AIS-A&CS]
92. F. Tudor, C. Oara (2015). H1 control problem for discrete-time algebraic dynamical systems, SIAM Journal on Control and Optimization, Vol. 53(5), 2015, pp. 3171-3194. [Q1/AIS-A&CS]
93. F. Tudor, C. Oara (2014). H2 optimal output feedback control for a general discrete-time system, European Control Conference, June 24-27, 2014
94. C. Dinicu, C. Oara (2014). On computing the L-2 norm of a generalised discrete-time system, 18-th International Conference on System Theory, Control and Computing, Sinaia, Romania, October, 17-19, 2014
95. C. Flutur, C. Oara (2014). Minimal factorization for transfer matrices of generalized systems, 18-th International Conference on System Theory, Control and Computing, Sinaia, Romania, October, 17-19, 2014
96. F. Tudor, C. Oara (2015). H-infinity control problem for general discrete-time systems, Proc. American Control Conference, Chicago, July 1-3, 2015
97. C. Flutur, C. Oara (2015), Simultaneous squaring down and zeros cancellation in linear systems, Proc. 20th International Conference on Control Systems and Computer Science, 27-29 May, 2015
98. F. Tudor, C. Oara (2015). A Moebius transformation for algebraic dynamical systems, Proc. 20th International Conference on Control Systems and Computer Science, Bucharest, Romania, 27-29 May, 2015

Dan Popescu and Ph.D. students

99. M.I.Struțu, D.Popescu (2012). An Analytic Approach towards Restoring Communicational Path in a WSN, 20th Telecommunications forum TELFOR 2012, Serbia, Belgrade, November 20-22, 2012, pp 615 – 618; WOS:000316626800150
- 100.R. Marcu, D. Popescu (2012). Integrate radiology in an ERP system. SAP case study, 20th Telecommunications forum TELFOR 2012, Serbia, Belgrade, November 20-22, 2012, pp 1649 – 1652; WOS:000316626800389
- 101.D. Popescu, R. Dobrescu, A. Maciuca, R. Marcu (2012). Smart sensor network for continuous monitoring at home of elderly population with chronic diseases, 20th Telecommunications forum TELFOR 2012, Serbia, Belgrade, November 20-22, 2012, pp 603 – 606; WOS:000316626800147
- 102.Luiza Ocheana, Dan Popescu, Gheorghe Florea (2013). Integrating versus interfacing safety and security with process control system, Proc. 19th International Conference on Control Systems and Computer Science, Bucharest, Romania, May 29-31, 2013, pp.441-447, ISBN 978-0-7685-4980-4, WOS:000328493800068
- 103.27. Luiza-Elena Cojocar, George Burlacu, Dan Popescu, Aurelian Mihai Stanescu (2014). Farm Management Information System as Ontological Level in a Digital Business Ecosystem, International Workshop SOHOMA'13, Valenciennes, France , 20-22 June 2013. Studies in Computational Intelligence, Volume: 544, pp: 295-309, published 2014, WOS:000388251900020
- 104.Mircea-Ionel Strutu, Florin Stoican, Ionela Prodan, Dan Popescu, Sorin Oлару (2013). A Characterization of the Relative Positioning of Mobile Agents for Full Sensorial Coverage in an Augmented Space with

- Obstacles. 21st Mediterranean Conference on Control and Automation, June 25-28, 2013, Crete – GREECE, pp. 936-941, WOS:000333245100145
105. Simona-Roxana Dumitrescu, Ioana Branescu-Raspop, Dan Popescu (2013). Format mediation for matching patient records in a three-layer information architecture, Proceedings of the 4th International Symposium on Electrical and Electronics Engineering, October 11-13, 2013, Galați, Romania, ISBN 978-1-4799-2441-7, S10, paper 6, pp 1-5, WOS:000335153400063
 106. Andrei Măciucă, Mircea Struțu, Dan Popescu, Grigore Stamatescu (2013). Cell-based Sensor Network for Complex Monitoring at Home of Patients with Chronic Diseases, Proceedings of the 4th International Symposium on Electrical and Electronics Engineering, October 11-13, 2013, Galați, Romania, ISBN 978-1-4799-2441-7, S2, paper 5, pp 1-5, WOS:000335153400060
 107. Andreea Lavinia Popescu, Radu Tudor Ionescu, Dan Popescu (2013). A Spatial Pyramid Approach for Texture Classification, Proceedings of the 4th International Symposium on Electrical and Electronics Engineering, October 11-13, 2013, Galați, Romania, ISBN 978-1-4799-2441-7, S6, paper 2, pp 1-6, WOS:000335153400045
 108. Mircea Struțu, Grigore Stamatescu, Dan Popescu (2013). A Mobile Sensor Network Based Road Surface Monitoring System, Proceedings of the 17th International Conference on System Theory, Control and Computing, October 11 – 13, 2013, Sinaia, ROMANIA, pp 630-634, ISBN 978-1-4799-2227-7, IEEE Catalog Number CFP1336P-CDR, WOS:000330660500099
 109. J. I. R. Cojocaru, D. Popescu, and I. E. Nicolae (2013). Texture Classification based on Succolarity. 21th Telecommunications forum TELFOR 2013, Serbia, Belgrade, November 26-28, 2013, pp. 498 – 501; WOS:000349857500113
 110. Luiza Ocheană, Dan Popescu, Luca Ferrarini (2013). Group-based method for fault identification using the diagnoser approach, Control Engineering and Applied Informatics, 15(4), pp. 66-76, 2013; WOS:000329083400007
 111. Oana Rohat, Dan Popescu (2014). Web System for the Remote Control and Execution of an IEC 61499 Application, Studies in Informatics and Control, ISSN 1220-1766, Vol. 23, No. 3, September 2014, pp. 297–306, WOS:000342712900008
 112. George Burlacu, Ruben Costa, Joao Sarraipa, Ricardo Jardim-Golcalves, Dan Popescu (2014). A conceptual model of Farm Management Information System for decision support. Technological Innovation for Collective Awareness Systems, Series: IFIP Advances in Information and Communication Technology Volume 423, 2014, pp 47-54 (5th IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2014, Costa de Caparica, Portugal, April 7-9, 2014, Proceedings WOS:000341133400006
 113. Diana Gornea, Dan Popescu, Grigore Stamatescu, Radu Fratila (2014). Mono-Camera Robotic System for Tracking Moving Objects, 9th IEEE Conference on Industrial Electronics and Applications, 9-12 June 2014, Hangzhou, China, pp. 1820-1825, WOS:000349638300341
 114. G. Stamatescu, C. Chitu, C. Vasile, I. Stamatescu, D. Popescu, V. Sgarciu (2014). Analytical and Experimental Sensor Node Energy Modeling in Ambient Monitoring, 9th IEEE Conference on Industrial Electronics and Applications, 9-12 June 2014, Hangzhou, China, pp. 1615-1620, WOS:000349638300305
 115. G. Stamatescu, D. Popescu, R. Dobrescu (2014). Cognitive Radio as Solution for Ground-Aerial Surveillance through WSN and UAV Infrastructure, Proceedings of the International Conference On Electronics, Computers and artificial Intelligence – ECAI-2014, Bucharest, Romania, 23 -25 October, 2014, vol 6, nr. 5, pp.51-57, WOS:000380489500074
 116. D. Popescu, L. Ichim, R. Fratila, D. Gornea (2014). Reconfigurable Robotic System Based on Mono-Camera Guidance. Proceedings of the International Conference on Electronics, Computers and Artificial Intelligence – ECAI-2014, Bucharest, Romania, 23 -25 October, 2014, vol 6, nr. 6, pp.63-69. WOS:000380489500053
 117. O. Rohat, D. Popescu (2014). Remote Web-Based Execution of IEC 61499 Function Blocks. Proceedings of the International Conference On Electronics, Computers and Artificial Intelligence – ECAI-2014, Bucharest, Romania, 23 -25 October, 2014, vol 6, nr. 6, pp. 51-57, WOS:000380489500051
 118. O. Chenaru, Gh. Florea, A. Stanciu, V. Sima, D. Popescu, R. Dobrescu (2015). Modeling Complex Industrial Systems using Cloud Services, Proc. 20th International Conference on Control Systems and Computer Science, Bucharest, Romania, May 27-29, 2015, pp. 565-571, WOS:000380375200082
 119. Gh. Florea, O. Chenaru, R. Dobrescu, D. Popescu (2015). A fractal model for Power Smart Grids. Proc. 20th International Conference on Control Systems and Computer Science, Bucharest, Romania, May 27-29, 2015, pp. 572-577, WOS:000380375200083
 120. D. Popescu, L. Ichim, N. Angelescu, M.G. Ionita (2015). Improving Texture Based Classification of Aerial Images by Fractal Features. Proc. 20th International Conference on Control Systems and Computer Science, Bucharest, Romania, May 27-29, 2015, pp. 578-583; ISBN: 978-1-4799-1779-2, WOS:000380375200084

- 121.O. Chenaru, G. Stamatescu, I. Stamatescu, D. Popescu (2015). Towards Cloud Integration for Industrial Wireless Sensor Network Systems. 9th Int. Sympos. on Advanced Topics in Electrical Engineering, May 7--9, 2015, Bucharest, Romania, pp.917- 922, WOS:000368159800170
- 122.D. Popescu, L. Ichim, T. Caramihale (2015). Computer – Aided Localization of the Optic Disc Based on Textural Features. 9th Int. Sympos. on Advanced Topics in Electrical Engineering, May 7--9, 2015, Bucharest, Romania, pp.307- 312; ISBN: 978-1-4799-7514-3, WOS:000368159800057
123. I. Danila, R. Dobrescu, D. Popescu, R. Marcu, L. Ichim (2015). M2M Service Platforms and Device Management. 9th Int. Sympos. on Advanced Topics in Electrical Engineering, May 7--9, 2015, Bucharest, Romania, pp.67- 72; ISBN: 978-1-4799-7514-3, WOS:000368159800013
- 124.G. Stamatescu, D. Popescu, C. Mateescu (2015). Dynamic Task Planning of Aerial Robotic Platforms for Ground Sensor Data Collection and Processing. Advances in Robot Design and Intelligent Control - Proceedings of the 24th International Conference on Robotics in Alpe-Adria-Danube Region, RAAD 2015, Bucharest, Romania, 27-29 May 2015, Advances in Intelligent Systems and Computing 371, Springer 2016, ISBN 978-3-319-21289-0, pp 397-407
- 125.O. Chenaru, A. Stanciu, D. Popescu, V. Sima, Gh. Florea, R. Dobrescu (2015). Open Cloud Solution for Integrating Advanced Process Control in Plant Operation. 23rd Mediterranean Conference on Control and Automation (MED) June 16-19, 2015. Torremolinos, Spain, pp. 1013-1018, WOS:000375056800151
- 126.G. Stamatescu, I. Stamatescu, D. Popescu, C. Mateescu (2015). Sensor Fusion Method for Altitude Estimation in Mini-UAV Applications, ECAI 2015 - International Conference – 7th Edition Electronics, Computers and Artificial Intelligence, Vol.2, 25-27 June 2015, Bucharest, Romania, pp. SSS 39-42, WOS:000370971100068
- 127.G. Stamatescu, I. Stamatescu, C. Dragana, D. Popescu (2015). Large Scale Heterogeneous Monitoring System with Decentralized Sensor Fusion, Proceedings of the 2015 IEEE 8th International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS 2015), Vol. 1, September 24-26, 2015, Warsaw, Poland, pp. 2-6, WOS:000380403500001
- 128.Gh. Florea, O. Chenaru, R. Dobrescu, D. Popescu (2015). Evolution from Power Grid to Smart Grid: Design Challenges. 19th International Conference on System Theory, Control and Computing (ICSTCC), Cheile Gradistei, Romania, October 14-16, 2015, pp. 912-916, WOS:000382384100152
- 129.Dan Popescu, Loretta Ichim, Traian Caramihale (2015). Flood Areas Detection Based on UAV Surveillance System. 19th International Conference on System Theory, Control and Computing (ICSTCC), Cheile Gradistei, Romania, October 14-16, 2015, pp. 753-758. ISBN: 978-1-4799-7514-3, WOS:000382384100125
- 130.R.T. Ionescu, A.L. Popescu, D. Popescu (2015). Texture Classification with Patch Autocorrelation Features. Springer International Publishing Switzerland 2015 S. Arik et al. (Eds.): ICONIP 2015, Part I, LNCS 9489, pp. 1–11, 2015, WOS:000371579500001
- 131.D. Popescu, L. Ichim, T. Caramihale (2015). Texture Based Method for Automated Detection, Localization and Evaluation of the Exudates in Retinal Images. Springer International Publishing Switzerland 2015 S. Arik et al. (Eds.): ICONIP 2015, Part IV, LNCS 9492, pp. 463–472, 2015, WOS:000373889900055
- 132.L. Ichim, D. Popescu, S. Cirneanu (2015). Combining Blood Vessel Segmentation and Texture Analysis to Improve Optic Disc Detection; The 5th IEEE International Conference on E-Health and Bioengineering - EHB 2015 Grigore T. Popa University of Medicine and Pharmacy, Iași, Romania, November 19-21, pp. 1-4. ISBN: 978-1-4673-7544-3, WOS:000380397900012
- 133.R.T. Ionescu, A.-L. Popescu, M. Popescu, D. Popescu (2015). BiomassID: A biomass type identification system for mobile devices. Computers and Electronics in Agriculture 113 (April 2015) 244–253, WOS:000353736200023
- 134.O. Rohat, L. Ocheana, D. Popescu (2015). Solution Based on IEC 61499 for Standardized Representation of Components in a Real-time Library of Reusable Algorithms for Process Control, Control Engineering and Applied Informatics, 17(1), pp. 81-90, 2015, WOS: 000352182800009

Dumitru Popescu and Ph.D. students

- 135.Cornoiu, M., Bara, C., Popescu, D. (2013). Metaheuristic Approach in Nonlinear Systems, UPB, Scientific Bulletin, Series A, ISSN 1223-7027, 2013
- 136.D. Popescu, C. Petrescu, C. Dimon, M. Boangiu (2013). Control and Optimization for a Petrochemical Reactor, pp.14-19, Villeneuve d'Ascq, Franta, 2013, Proceedings IEEE, ISBN: 978-1-4799-2021-1
- 137.S.O. Medianu, C. Lupu, D. Popescu, L. Lefèvre (2013). Optimal Closed-Loop Identification Solution Using the Direct and Indirect Methods for a Flexible Transmission System, pp.74-79, Villeneuve d'Ascq, Franta, 2013, Proceedings IEEE, ISBN: 978-1-4799-2021-1
- 138.C.Bara, M.Cornoiu, D.Popescu (2012). Optimal and Fault Detection Control Strategy for Ship Stabilization, Sietific Bulletin of the Politehnica University of Timisoara, Vol. 57, nr.2, ISSN 1224-600X, 2012

- 139.S. Carstoiu, D. Popescu (2014). Simulator for the Multimodel Control of Diesel Engines, SIC Jurnal, ICI Bucharest, 2014
- 140.L. Lefevre, S. Medianu, C. Lupu, D. Popescu (2014). Adaptive Control Solution of a Flexible Transmission System, CEAI Jurnal, UPB, 2014
- 141.C. Dimon, G. Dauphin-Tanguy, D. Popescu (2012). Macroscopic Modeling of Road Traffic by Using Hydrodynamic Flow Models, Proc. 20th Mediterranean Conference on Control and Automation (MED 2012), Barcelona, Spain, 2012
- 142.Dimon, D. Popescu (2012). Admissible Modeling Disturbances for the Control of a Road Sector, IEEE 7th International Symposium on Applied Computational Intelligence and Informatics (SACI 2012), Timisoara, Romania, 2012, pp. 405-409. DOI: 10.1109/SACI.2012.6250038
- 143.C. Bara, M. Cornoiu, D. Popescu (2012). An Optimal Control Strategy of Ballast Systems Used in Ship Stabilization, Proceedings MED Barcelona, 2012
- 144.M. Cornoiu, D. Popescu, P. Borne, D. Stefanoiu (2013). Metaheuristic , vs. Adaptive Approach in Discrete-Time Hammerstein System Identification, Proceedings Int. Vonf. CSCS 19, Bucharest, May 2013
- 145.A. Tache, A. Udrea, D. Popescu, M. Vermandel, Ch.Vasseur (2013). Preliminary Results for Automatic Detection of Artero-Venous Malformations from Medical Images, Proc. CSCS, Bucharest, 2013
- 146.C. Bara, D. Popescu, F. Filip (2013). SCADA System for Ship Stabilisation Design using an Expert Sistem, Proc. IFAC MCPL Conference, 11-13 Sept. 2013, Brasil, Pergamon Press
- 147.C. Miron, D. Popescu (2014). Designed Control Systems with Distributed Parameters, Proc. ICSTCC 18, Sinaia 2014, IEEE Xplore Digital Library
- 148.C. Dimon, D. Popescu, D. Stefanoiu (2014). Fuzzy Modeling and Control for a Road Section, ICSTCC 18, Sinaia 2014
- 149.D. Popescu, S. Medianu, L. Lefevre, C. Lupu (2014). Simulator for open loop Identification and Control, Proc. ICSTCC 18, Sinaia 2014
- 150.C. Sandu, D. Popescu (2015). Intelligent Control System of BP using BRS model, and Q- learning Control, Proc. Int. Conf. ICSTCC 19, Sinaia 2015
- 151.C.Torous, D. Popescu, D. Balan, (2015). Search Algorithms for the Maximum Power Point on Photovoltaic Panels, Proc. Int. Conf. ICSTCC 18, Sinaia 2015
- 152.C. Miron D. Popescu, N. Christov, A. Aitouche (2015). Control Based Observer for PV System by Fuzzy Takagi Sugeno Model, Proc. Int. Conf. ICSTCC 18, Sinaia 2015

Aurel Mihai Stănescu and Ph.D. students

- 153.G.C. Danila, I.S. Sacala, M. Moiescu, A.M. Stanescu (2014). E-Services Quality assessment framework for collaborative networks, Enterprise Information Systems Journal, Taylor & Francis Eds, 2014, pp.1-24, ISSN: 1751-7575 (Print), 1751-7583 (Online) DOI: 10.1080/17517575.2013.879213, Indexat: Scopus, Indexat ISI Thomson Reuters WOS:000349799800006
- 154.G. Stegaru, M.A. Moiescu, I.S. Sacala, A.M. Stanescu (2013). Quality Modeling Framework for Service Composition. An Indoor Air Quality Monitoring System Case Study, Applied Mechanics and Materials Vol. 436 (2013) p. 480-487, Trans Tech Pub., Switzerland, ISSN: 1662-7482, doi:10.4028/www.scientific.net/AMM.436.480, WOS:000332261000062
- 155.I.S. Sacala, D. Repta, M.A. Moiescu, A.M. Stanescu (2013). Semantic Middleware Architecture, Applied Mechanics and Materials Vol. 436 (2013) pp 488-496, (2013) Trans Tech Publications, Switzerland ISSN: 1662-7482, doi:10.4028/www.scientific.net/AMM.436.488 WOS:000332261000063
- 156.Stegar, G, Danila, C, Sacala, IS, Moiescu, M, Stanescu, AM (2012). Quality Driven Web Service Composition Modeling Framework, in Collaborative Networks in the Internet of Services, Book Series: IFIP Advances in Information and Communication Technology, Eds: CamarinhaMatos, LM, Xu, L, Afsarmanesh, Volume: 380, Pages: 87-95, Published: 2012, Proceedings of 13th IFIP WG 5.5 Working Conference on Virtual Enterprises (PROVE-VE 2012). WOS: 000321076200009
- 157.Stanescu, AM, Moiescu, MA, Sacala, LS, Burlacu, G (2012). Integrating e-IMS Platform via Interoperability within Collaborative Enterprise, Source: Service Orientation in Holonic and Multi-agent Manufacturing, Editors: Borangiu, T; Thomas, A; Trentesaux, D., Book Series: Studies in Computational Intelligence, Volume: 402 Pages: 129-142 Published: 2012 Proceedings of: International Workshop on Service Orientation in Holonic and Multi-Agent Manufacturing Control (SOHOMA 2011), June 20-21, 2011, WOS:000309734000010

Dan Ștefănoiu and Ph.D. students

158. Cimpoesu, E.M., Ciubotaru, B.D., Stefanoiu, D. (2013). State-Space Parameter Estimation for Closed-Loop Fault Detection (E), The 17th International Conference on System Theory, Control and Computing, ICSTCC 2013, Sinaia, Romania, ISI-Thomson and IEEE-Explore indexed, pp. 119-124, October 11-12, 2013
159. Cimpoesu E.M., Ciubotaru B., Stefanoiu D. (2013). Fault Detection and Diagnosis Using Parameter Estimation with Recursive Least Squares (E), The 19-th International Conference on Control Systems and Computer Science, CSCS-19 (ISBN 978-0-7685-4980-4, DOI 10.1109/CSCS.2013.83), ISI-Thomson and IEEE-Explore indexed, Bucharest, Romania, pp. 18-23 (Vol. 1), May 27–29, 2013
160. Stefanoiu D., Tudor F.S. (2012). Pros and Cons of Horizontal Axis Wind Turbines Linear Identification (E), Proc. The 16th International Conference on Knowledge-Based Intelligent Information & Engineering Systems KES 2012, San Sebastian, Spain, (IOS Press, ISBN: 978-978-1-61499-104-5), ISI-Thomson and INSPEC indexed, DOI: 10.3233/978-1-61499-105-2-684, pp. 684–695, September 10-12, 2012
161. Stefanoiu D., Culita J., Tudor F.S. (2012). WINTUS – A Simulator for Usual Wind Turbines (E), Proc. of the Industrial Simulation Conference ISC-2012, Brno, Czech Republic, (A publication of EUROSIS-ETI, ISBN 978-90-77381-71-7), ISI-Thomson and INSPEC indexed, pp. 93–100, June 4–6, 2012, ERA2010 Conference List / ERAID: 43123 / Rank: C

Valentin Sgârciu and Ph.D. students

162. C. Vasile, G. Stamatescu, V. Sgârciu, C. Ioana (2015). Consistency Analysis of Ultrasound Echoes within a Dual Symmetric Path Inspection Framework, *Advances in Electrical and Computer Engineering*, Vol. 15, No. 2, 2015, Digital Object Identifier 10.4316/AECE.2015.02006, ISSN: 1582-7445, © 2015 AECE, pp.45-50
163. G. Neculoiu, V. Sgarciu, A.V. Marinescu, M. Marinescu (2015). Increasing energy efficiency of a building with minimal computational demands using model predictive control, Published in: 2015 14th RoEduNet International Conference - Networking in Education and Research (RoEduNet NER), Date of Conference: 24-26 Sept. 2015, Page(s): 103 – 108, ISSN : 2068-1038, Print ISBN: 978-1-4673-8179-6, INSPEC Accession Number: 15558363, Conference Location: Craiova, DOI: 10.1109/RoEduNet.2015.7311977, Publisher: IEEE
164. I. Halcu, Gr. Stamatescu, V. Sgârciu (2015). Enabling security on 6LoWPAN / IPv6 Wireless Sensor Networks, Published in: 2015 7th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Date of Conference: 25-27 June 2015, Page(s): SSS-29 - SSS-32, Print ISBN: 978-1-4673-6646-5, INSPEC Accession No. 15556161, Conference Location: Bucharest, DOI: 10.1109/ECAI.2015.7301201, Publisher: IEEE
165. G. Neculoiu, V. Dache, G. Stamatescu, V. Sgarciu (2015). Buildings modeling in order to implement optimal temperature control, Published in: *Electronics, Computers and Artificial Intelligence (ECAI)*, 2015 7th International Conference on, Date of Conference: 25-27 June 2015, Page(s): S-43 - S-48, Print ISBN: 978-1-4673-6646-5, INSPEC Accession Number: 15556130, Conference Location: Bucharest, DOI: 10.1109/ECAI.2015.7301159, Publisher: IEEE
166. G. Stamatescu, C. Chițu, C. Vasile, I. Stamatescu, D. Popescu, V. Sgârciu (2014). Analytical and experimental sensor node energy modeling in ambient monitoring, Published in: 2014 9th IEEE Conference on Industrial Electronics and Applications, Date of Conference: 9-11 June 2014, Page(s): 1615 – 1620, ISSN: 2156-2318, Print ISBN: 978-1-4799-4316-6, INSPEC Accession Number: 14697393, Conference Location: Hangzhou, DOI: 10.1109/ICIEA.2014.6931426, Publisher: IEEE
167. A.C. Enache; V. Sgârciu (2014). Spam host classification using PSO-SVM, Published in: *Automation, Quality and Testing, Robotics*, 2014 IEEE International Conference on, Date of Conference: 22-24 May 2014, Page(s): 1 – 5, Print ISBN: 978-1-4799-3731-8, INSPEC Accession Number: 14467163, Conference Location: Cluj-Napoca, DOI: 10.1109/AQTR.2014.6857840, Publisher: IEEE
168. G. Mateescu; M. Viădescu; V. Sgârciu (2014). Auditing cloud computing migration, Published in: *Applied Computational Intelligence and Informatics (SACI)*, 2014 IEEE 9th International Symposium on, Date of Conference: 15-17 May, 2014, Page(s): 263 – 268, INSPEC Accession Number: 14384528, Conference Location: Timisoara, DOI: 10.1109/SACI.2014.6840073, Publisher: IEEE
169. G. Stamatescu; G. Sterpu; V. Sgârciu (2013). VIBSYS: Integrated didactic and research platform for Vibration Analysis, Published in: *Electrical and Electronics Engineering (ISEEE)*, 2013 4th International Symposium on, Date of Conference: 11-13 Oct. 2013, Page(s): 1 – 5, INSPEC Accession Number: 13936693, Conference Location: Galati, DOI: 10.1109/ISEEE.2013.6674363, Publisher: IEEE
170. A. Olteanu; G. Stamatescu; A.D. Ioniță; V. Sgârciu (2013). Enhanced data integration for LabVIEW laboratory systems, Published in: 2013 8th Int. Dympos. on Advanced Topics in Electrical Engineering (ATEE), 23-25 May 2013, Page(s): 1 – 6, ISSN: 2068-7966, Print ISBN: 978-1-4673-5979-5, INSPEC Accession Number: 13778522, Conference Location: Bucharest, DOI: 10.1109/ATEE.2013.6563535, Publisher: IEEE
171. D. Nasui; V. Sgarciu; A. Cernian (2013). Cloud-based application development platform for secure, intelligent, interlinked and interactive infrastructure, Published in: *Applied Computational Intelligence and Informatics*

- (SACI), 2013 IEEE 8th International Symposium on, 23-25 May 2013, Page(s): 473 – 476, Print ISBN: 978-1-4673-6397-6, INSPEC Accession Number: 13797475, Timisoara, DOI: 10.1109/SACI.2013.6609021, Publisher: IEEE
172. C. Vasile, P.T. Ion, C. Ioana, V. Sgârciu, J. Mars, I. Candel (2013). Ultrasound Testing of Metallic Structures using a Dual Symmetric Path Inspection and a Matched Filter-based Method, Proc. 5th IEEE workshop on Computational Advances in Multi-Sensor Adaptive Processing (CAMSAP 2013), Dec 2013, Saint Martin. pp.149-152, 2013, DOI : 10.1109/CAMSAP.2013.6714029
173. Enache, A.C., Sgarciu, V. (2014). Spam host classification using PSO-SVM - Published in: IEEE International Conference on Automation, Quality and Testing, Robotics, 2014, 22-24 May 2014, Page(s): 1 – 5, Print ISBN: 978-1-4799-3731-8, INSPEC Accession Number: 14467163, Cluj-Napoca, DOI: 10.1109/AQTR.2014.6857840, Publisher: IEEE
174. Mateescu, G.; Vladescu, M.; Sgarciu, V. (2014). Auditing cloud computing migration, Published in: IEEE 9th International Symposium on Applied Computational Intelligence and Informatics (SACI), 2014, 15-17 May 2014, Page(s): 263 - 268, INSPEC Accession Number: 14384528, Timisoara, DOI: 10.1109/SACI.2014.6840073, Publisher: IEEE
175. Stamatescu, G., Chitu, C., Vasile, C., Stamatescu, I., Popescu, D., Sgarciu, V. (2014). Analytical and experimental sensor node energy modeling in ambient monitoring, Published in: Conference on Industrial Electronics and Applications (ICIEA), 9th IEEE, 2014, 9-11 June 2014, Page(s): 1615 – 1620, Print ISBN: 978-1-4799-4316-6, INSPEC Accession Number: 14697393, Hangzhou, DOI: 10.1109/ICIEA.2014.6931426, Publisher: IEEE
176. D. Nasui, A. Cernian, V. Sgarciu (2014). Cloud Based Student Transportation Safety System, 6th International Conference on Electronics, Computers and Artificial Intelligence ECAI 2014, October 23– October 25, 2014, Bucharest, Romania, Pages: 49 - 54, DOI: 10.1109/ECAI.2014.7090146, IEEE Conference Publications
177. I. Halcu, GR. Stamatescu, I. Stamatescu, V. Sgârciu (2014). An Analysis of Security and Communication Constraints of IPv6- Based Sensor Networks, 6th International Conference on Electronics, Computers and Artificial Intelligence ECAI 2014, October 23– October 25, 2014, Bucharest, Romania, Pages: 55 - 60, DOI: 10.1109/ECAI.2014.7090224, IEEE Conference Publications
178. D. Nasui, A. Cernian, V. Sgarciu, D. Carstoiu (2014). Cloud-Based Mobile Asset Management Solution, 6th International Conference on Electronics, Computers and Artificial Intelligence ECAI 2014, October 23– October 25, 2014, Bucharest, Romania
179. Halcu I., Stamatescu G., Stamatescu I., Sgarciu V. (2014). An Analysis of Security and Communication Constraints of IPv6-based Sensor Networks, Proc. of the 6th Electronics, Computers and Artificial Intelligence Conference, IWSSS Workshop, 23-25 October, Bucharest, 2014
180. Enache A.C., Sgârciu V. (2014). Enhanced Intrusion Detection System Based on Bat Algorithm-support Vector Machine, 11th International Conference on Security and Cryptography, Austria, Viena, August 2014, pp. 184-189.
181. Stamatescu Gr.; Stamatescu I.; Vasile C.; Sgarciu V. (2014). Effective Academia-Industry Collaboration for Virtual Instrumentation Teaching and Certification Program, Proc. 10th International Scientific Conference on eLearning and Software for Education, Bucharest, Romania, April 24-25, 2014 Let's Build the Future Through Learning Innovation, Vol. III Book Series: eLearning and Software for Education, Pages: 357-364, Published: 2014

Authors in the doctorate domain Computers and Information Technology

Valentin Cristea and Ph.D. students

182. A. Olteanu, F. Pop, C. Dobre, V. Cristea (2012). A dynamic rescheduling algorithm for resource management in large scale dependable distributed systems, Computers & Mathematics with Applications, Volume 63, Issue 9, May 2012, pp. 1409-1423, ISSN 0898-1221, doi: 10.1016/j.camwa.2012.02.066
183. Valentin Cristea, Catalin Leordeanu, Florin Pop, Ciprian Dobre (2012). E-Service Security, Proceedings of the Romanian Academy, Series A, Vol.13, Number 2/2012, pp. 149–156, ISSN: 1454-9069
184. Radu-Ioan Ciobanu, Radu-Corneliu Marin, Ciprian Dobre, Valentin Cristea (2014). Interest-Awareness in Data Dissemination for Opportunistic Networks, in Ad Hoc Networks (ISSN: 1570-8705), Elsevier (online), 2014, Volume 25, Part B, pp. 330–345, February 2015 (DOI: 10.1016/j.adhoc.2014.07.004).
185. R.-I. Ciobanu, C. Dobre, M. Dascalu, S. Trausan-Matu, V. Cristea (2014). SENSE: A Collaborative Selfish Node Detection and Incentive Mechanism for Opportunistic Networks, in Journal of Network and Computer Applications (JNCA) (ISSN: 1084-8045), 2014, WOS:000335629300022, IF: 2,23

186. Horelu, Adriana; Leordeanu, Catalin; Apostol, Elena; Dan Huru; Mariana Mocanu; Valentin Cristea (2015). Forecasting Techniques for Time Series from Sensor Data, in proceedings IEEE 2015 17th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), pp 261-264, 2015
187. Bosilca, A., Nita, M. C., Pop, F., & Cristea, V. (2014, September). Cloud simulation under fault constraints. In Intelligent Computer Communication and Processing (ICCP), 2014 IEEE International Conference on (pp. 341-348). IEEE
188. Florin Pop, Catalin Negru, Valentin Cristea, Nik Bessis (2013). INSPECTOR: Integrated Service Platform for Management of Academic and Research Communities over the Internet. In 2013 19th International Conference on Control Systems and Computer Science (CSCS) (Ioan Dumitrache, Adina Magda Florea, Florin Pop). IEEE Computer Society, ISBN 978-0-7695-4980-4, Washington, DC, USA, pp. 247--254, May 2013
189. R.-I. Ciobanu, C. Dobre, M. Dascalu, S. Trausan-Matu, V. Cristea (2013). Collaborative Selfish Node Detection with an Incentive Mechanism for Opportunistic Networks, in Proc. of 5th IFIP/IEEE International Workshop on Management of the Future Internet (IFIP/IEEE ManFI 2013), IFIP/IEEE International Symposium on Integrated Network Management (IM 2013), Ghent, Belgium, pp. 1161-1166, May 2013.
190. R.-I. Ciobanu, C. Dobre, V. Cristea (2013). Reducing Congestion for Routing Algorithms in Opportunistic Networks with Socially-Aware Node Behavior Prediction, in Proc. of 2013 IEEE 27th International Conference on Advanced Information Networking and Applications (AINA'13), Barcelona, Spain, pp. 554-561, 2013
191. R. I. Ciobanu, C. Dobre, V. Cristea (2012). Social aspects to support opportunistic networks in an academic environment, in Proc. of 11th international conference on Ad-hoc, Mobile, and Wireless Networks (ADHOC-NOW'12), Xiang-Yang Li, Symeon Papavassiliou, and Stefan Ruehrup (Eds.). Springer-Verlag, Berlin, Heidelberg, pp. 69-82, 2012. BDI: ACM Digital Library, WOS:000325935000006
192. Elena Apostol, Iulia Baluta, Alexandru Gorgoi, Valentin Cristea (2014). A Parallel Genetic Algorithm Framework for Cloud Computing Applications, First International Workshop, ARMS-CC 2014, held in Conjunction with ACM Symposium on Principles of Distributed Computing, PODC 2014, 978-3-319-13463-5, Springer
193. Dutu, Cristina and Apostol, Elena, Leordeanu, Catalin, Cristea, Valentin (2013). Efficient Service Management for Multimedia Sessions in Hybrid Clouds. In The Fourth International Workshop on Cloud Computing, Services and Interoperability (CCSI 2013), in conjunction with the AINA-2013 conference. March 2013
194. Elena Apostol, Valentin Cristea (2012). Mobility management for multimedia services in heterogeneous environments, International Journal of Web and Grid Services, Volume 8, Number 3, September 2012, pp. 266-278(13). DOI=10.1504/IJWGS.2012.049170 <http://dx.doi.org/10.1504/IJWGS.2012.049170>, ISSN(Online):1741-1114 ISSN(Print):1741-1106
195. Leordeanu, Catalin, Ciocan, Dragos, Cristea, Valentin (2013). Maintaining the confidentiality of archived data. In Proceedings of the Romanian Academy, Series A, Special issue: Cryptology Science. September 2013

Ciprian Dobre and Ph.D. students

196. Valeriu-Daniel Stanciu, Ciprian Dobre, Valentin Cristea (2014). Context-Based Service For Intelligent Public Transportation Systems, in Proc. of International Workshop on Autonomic Distributed Systems (ADiS 2014), 8th International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS 2014), Birmingham, UK, pp. 353-358, July 2014
197. R.-I. Ciobanu, C. Dobre, V. Cristea, F. Pop, F. Xhafa (2015). SPRINT-SELF: Social-Based Routing and Selfish Node Detection in Opportunistic Networks, in Mobile Information Systems (MIS) (ISSN: 1574-017X), Volume 2015 (2015), Article ID 596204 (DOI: 10.1155/2015/596204). WOS:000351601100001, IF: 0,95
198. R.-I. Ciobanu, R.-C. Marin, C. Dobre, V. Cristea (2015). Interest-awareness in data dissemination for opportunistic networks, in Ad Hoc Networks (ISSN: 1570-870), Vol. 25, Part B, pp. 330–345, February 2015 (DOI: 10.1016/j.adhoc.2014.07.004). WOS:000347756600004, IF: 1,53
199. R.-I. Ciobanu, D. Reina, C. Dobre, S. Toral, P. Johnson (2014). JDER: A history-based forwarding scheme for Delay Tolerant Networks using Jaccard Distance and Encountered Ration, in Journal of Network and Computer Applications (ISSN: 1084-8045), Vol. 40, pp. 279–291 (DOI: 10.1016/j.jnca.2013.09.012), April 2014. WOS:000334002900025, IF: 2,23
200. R.-I. Ciobanu, R.-C. Marin, C. Dobre (2014). , Interaction Predictability of Opportunistic Networks in Academic Environments, in Transactions on Emerging Telecommunications Technologies (ISSN: 2161-3915), Vol. 25, Issue 8, pp. 852–864, (DOI: 10.1002/ett.2692), August 2014. WOS:000341668000008, IF: 1,35

- 201.R.-C. Marin, C. Dobre, F. Xhafa (2014). A methodology for assessing the predictable behaviour of mobile users in wireless networks, in *Concurrency and Computation: Practice and Experience* (ISSN: 1532-0634), Vol. 26, Issue 5, 1215–1230 (DOI: 10.1002/cpe.3064), April 2014. WOS:000332983700014, IF: 1,00
- 202.C. Chilipirea, A.-C. Petre, C. Dobre, F. Pop (2015). Enabling Mobile Cloud Wide Spread through an Evolutionary Market-based Approach, in *IEEE Systems Journal* (ISSN: 1932-8184), IEEE, Vol. PP, Issue 99, pp. 1-8, 2015. (indexare IEEE Xplore Digital Library)
- 203.V.-D. Stanciu, C. Dobre, V. Cristea (2015). Context-Based Service For Intelligent Public Transportation Systems, in *International Journal of Adaptive and Innovative Systems* (ISSN: 1740-2107), Vol. 2, Issue 2, pg. 15, 2015. (indexare Inderscience Online, Google Scholar)
- 204.C. Chilipirea, A.-C. Petre, C. Dobre (2014). Social-based routing algorithm for energy preservation in mobile opportunistic networks, in *Int. J. of Embedded Systems*, Vol.6, No.1, pp.14 - 27, 2014 (DOI: 10.1504/IJES.2014.060922). (indexare Inderscience Online, Google Scholar)
- 205.C. Chilipirea, A.-C. Petre, C. Dobre (2014). Energy-Aware Social-based Routing in Opportunistic Networks, in *International Journal of Embedded Systems (IJES)* (ISSN: 1741-1068), Special Issue on Intelligent Technologies for Future Information Network Systems, 2014. (indexare Inderscience Online, Google Scholar)
- 206.R.-I. Ciobanu, C. Dobre (2013). Opportunistic Networks: A Taxonomy of Data Dissemination Techniques, in *International Journal of Virtual Communities and Social Networking (IJVCSN)*(ISSN: 1942-9010), Volume 5, Issue 2, 16 pg., 2013 (DOI: 10.4018/jvcsn.2013040102). (indexare Inderscience Online, Google Scholar)
- 207.R.-I. Ciobanu, C. Dobre (2013). Social-Awareness in Opportunistic Networking, in *Int. J. Intelligent Systems Technologies and Applications (IJISTA)*, (ISSN: 1740-8865), Special Issue on Green Communication and Computing, Vol. 12, No. 1, pp. 39-62, (DOI: 10.1504/IJISTA.2013.055095), 2013 (indexare Inderscience Online, Google Scholar)
- 208.R.-I. Ciobanu, R.-C. Marin, C. Dobre, V. Cristea, C. X. Mavromoustakis, G. Mastorakis (2015). Opportunistic Dissemination using Context-Based Data Aggregation over Interest Spaces, in *Proc. of IEEE International Conference on Communications (ICC 2015)*, London, UK, pp. 1219-1225, June 2015, WOS:000371708101070
- 209.R.-I. Ciobanu, R.-C. Marin, C. Dobre, V. Cristea, C. X. Mavromoustakis (2015). ONSIDE: Socially-Aware and Interest-Based Dissemination in Opportunistic Networks, in *Proc. of 6th IEEE/IFIP International Workshop on Management of the Future Internet (ManFI 2014)*, IEEE/IFIP Network Operations and Management Symposium (NOMS 2014), Krakow, Poland, pp.1-6, May 2014. WOS:000356862300159
- 210.V.-D. Stanciu, C. Dobre, V. Cristea (2014). Context-Based Service For Intelligent Public Transportation Systems, in *Proc. of International Workshop on Autonomic Distributed Systems (ADiS 2014)*, 8th International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS 2014), Birmingham, UK, pp. 353-358, July 2014. WOS:000352618900051
- 211.C. Chilipirea, A.-C. Petre, C. Dobre (2013). Energy-Aware Social-based Routing in Opportunistic Networks, in *Proc. of 2013 27th International Conference on Advanced Information Networking and Applications Workshops (AINAW'13)*, Barcelona, Spain, pp. 791-796, 2013. WOS:000327181600129
- 212.C. Chilipirea, A.-C. Petre, C. Dobre (2013). Predicting Encounters in Opportunistic Networks using Gaussian Process, in *Proc. of 2013 19th International Conference on Control Systems and Computer Science (CSCS 2013)*, Bucharest, Romania, pp. 99-105, 2013. WOS:000328493800015
- 213.R.-I. Ciobanu, C. Dobre, M. Dascalu, S. Trausan-Matu, V. Cristea (2013). Collaborative Selfish Node Detection with an Incentive Mechanism for Opportunistic Networks, in *Proc. of 5th IFIP/IEEE International Workshop on Management of the Future Internet (IFIP/IEEE ManFI 2013)*, IFIP/IEEE International Symposium on Integrated Network Management (IM 2013), Ghent, Belgium, pp. 1161-1166, May 2013. WOS:000327159900191
- 214.R.-I. Ciobanu, C. Dobre, V. Cristea (2013). Reducing Congestion for Routing Algorithms in Opportunistic Networks with Socially-Aware Node Behavior Prediction, in *Proc. of 2013 IEEE 27th International Conference on Advanced Information Networking and Applications (AINA'13)*, Barcelona, Spain, pp. 554-561, 2013. WOS:000324398900073
- 215.M.-C. Nita, C. Chilipirea, C. Dobre, F. Pop (2013). A SLA-Based Method for Big-Data Transfers with Multi-Criteria Optimization Constraints for IaaS, in *Proc. of 11th International Conference of Networking in Education and Research (RoEduNet 2013)*, Sinaia, Romania, pp. 105-110, 2013. WOS:000320558100017 WOS:000320558100017
- 216.C. Dobre, A. Szekeres, F. Pop, V. Cristea, F. Xhafa (2012). Intelligent Traffic Lights to Reduce Vehicle Emissions, in *Proc. of 26th European Conference on Modelling and Simulation (ECMS 2012)*, Klaus G. Troitzsch, Michael Mohring, Ulf Lotzmann (Eds.), Koblenz, Germany, pp. 504-511, 2012. WOS:000319084600074

Adina Magda Florea and Ph.D. students

217. Alexandru Sorici, G. Picard, O. Boissier, A. M. Florea (2015). Multi-agent Based Flexible Deployment of Context Management in Ambient Intelligence Applications. 2015. WOS:0003620061000194
218. A. Olaru, M. Benea, A. El Fallah Seghrouchni, A.M. Florea (2015). tATAmI: A Platform for the Development and Deployment of Agent-Based Aml Applications, 2015, WOS:000361567100058
219. A. Sorici, O. Boissier, G. Picard, A. M. Florea (2015). Multi-Agent based Context Provisioning Deployment in Aml Applications. 13th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS'15), Jun 2015, Salamanca, Spain. Springer International Publishing, 9086, pp.225-239, 2015, Lecture Notes in Artificial Intelligence (LNAI). Springer
220. A. Sorici, G. Picard, A.M. Florea (2015). Multi-Agent Based Context Management in Aml Applications, AgTAmI-2015: Proceedings of the International Workshop on Agent Technology for Ambient Intelligence, 27-29 May 2015, Bucharest, IEEE Explore
221. Ciortea, A; Boissier, O; Zimmermann, A; Florea, AM (2015). Open and Interoperable Socio-technical Networks WOS:000366596600034
222. C. Gratie, A. M. Florea, J.J., Ch. Meyer (2015). General directionality and the local behavior of argumentation semantics. AI Communications. 29(1), p.3-16, 2015 WOS:000367591000001
223. Alexandru Sorici, G. Picard, O. Boissier, A. Zimmermann, A. M. Florea (2014). CONSERT: Applying Semantic Web Technologies to Context Modeling in Ambient Intelligence, WOS:000357901800022
224. Ismail, Andrei-Adnan; Marian, Cosmin; Florea, Adina Madgda (2014). A Framework for Consistent Experimentation in Aml, WOS:0003284938000713
225. Pham Quang Dung; Florea, Adina Magda (2013). Adaptation to Learners' Learning Styles in a Multi-agent System, WOS:000316711900042
226. D. M Novischi, A.M Florea (2013). Toward a real-time heterogeneous mobile robotic swarm: Robot platform and agent architecture, Proceedings of 17th International conference on system theory, Control and Computing, Pag. 772-776, Romania, 2013, ISBN:978-1-4799-2228-4; 978-1-4799-2227-7, WOS:000330660500124
227. A. Sorici, G. Picard, O. Boissier, A. M. Florea (2015). Multi-Agent Based Flexible Deployment of Context Management in Aml Applications. Advances in Practical Applications of Agents, Multi-Agent Systems, and Sustainability: The PAAMS Collection, Volume 9086 of the series Lecture Notes in Computer Science Springer International Publishing, pp 225-239 WOS:000362006100019
228. Hussein Ali Salah, M. Mocanu, A.M. Florea (2015). Development of a prototype ArcGIS- web-based decision application WATERDSS: For water pollution management, Electronics, Computers and Artificial Intelligence (ECAI), 2015. In Proceedings of the 7th International Conference on, Bucharest, 2015, pp. E-1-E-6. WOS:000370971100008
229. A. Ciortea, A. Zimmermann, O. Boissier, A.M. Florea (2015). Towards a Social and Ubiquitous Web: A Model for Socio-technical Networks. Ah-Hwee Tan, Yuefeng Lee, Ee-Peng Lim, Atsuhiko Takasu, Hoong-Chuin Lau, Chunyan Miao. IEEE/WIC/ACM Web Intelligence Conference 2015, Dec 2015, Singapore, Singapore. Proceedings of the IEEE/WIC/ACM Web Intelligence Conference 2015. ACM DL and IEEE Explore
230. A. Sorici, G. Picard, O. Boissier, A. M. Florea (2015). Gestionnaire multi-agent de contexte pour les applications d'intelligence ambiante. 23es Journées Francophones sur les Systèmes Multi-Agents (JFSMA'15), Jun 2015, Rennes, France. Cepaduès, 2015 DBLP
231. H. Ali Salah, M. Mocanu, A. Florea (2014). Towards an integrated decision support system for the evaluation of water pollution in Tigris Basin (DSSWAPIT). Proceedings of the IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), 2014, pp. 391-398. WOS:000348677300057
232. A. Ciortea, O. Boissier, A. Zimmerman, A.M. Florea (2014). Open and Interoperable Socio-technical Networks, In Proc. of 16th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), 2014, p.251-257 (IEEE) WOS:000366596600034
233. A.A. Ismail, A.M. Florea (2012). Multimodal Indoor Tracking of a Single Elder in an AAL Environment, Ambient Intelligence - Software and Applications, Proceedings of the 3rd International Symposium on Ambient Intelligence (ISAml 2012), Springer, IEEE Explore si Springer, pp.137-145
234. C. Gratie, A. M. Florea (2012). SCC-recursiveness revisited. Proceedings of the 9th International Workshop on Argumentation in Multi-Agent Systems (ArgMAS 2012), Valencia, Spain, 4 June, 2012. Springer
235. Q. D. Pham, A., M. Florea (2012). A literature-based method to automatically detect learning styles in learning management systems, Proceedings of the 2nd International Conference on Web Intelligence, Mining and Semantics (WISM'12) International Conference Proceedings Series, published by ACM. Jun 13-15, 2012, Craiova, Romania, pp. 412-418

236. Q. D. Pham, A. M. Florea (2012). Adaptation To Learners' Learning Styles In A Multi-Agent E-Learning System, Proceedings of the 8th International Scientific Conference eLearning and Software for Education Location: Bucharest, apr. 26-27, Leveraging Technology for Learning, Vol. II Book Series: eLearning and Software for Education, 2012 IEEE Explore, pp.259-266
237. C. Gratie, A. M. Florea, J.-J. Meyer (2012). Full hybrid mu-calculus, its bisimulation and application to argumentation, Proceedings of the 13th International Workshop on Computational Logic in Multi-Agent Systems (CLIMA 2012), volume 7486 of Lecture Notes in Artificial Intelligence, Springer-Verlag, pp.181–194, Springer.

Florica Moldoveanu and Ph.D. students

238. O. Balan, A. Moldoveanu, F. Moldoveanu (2015). Multimodal Perceptual Training for Improving Spatial Auditory Performance in Blind and Sighted Listeners, Archives of Acoustics, vol. 40, is. 4, pp. 491–502, 2015, ISSN (Online) 2300-262X, WOS:000367315700006.
239. Egner A., Moldoveanu F., Goga N., Moldoveanu A., Asavei V., Morar A. (2013). Customized Test Data Generator for HL7v3 based Healthcare Information Systems, Journal of Control Engineering and Applied Informatics, vol. 15, is. 3, pp. 78-86, ISSN: 1454-8658, 2013, WOS:000325118900010.
240. Morar A., Moldoveanu F., Asavei V., Petrescu L., Moldoveanu A., Egner A. (2013). GPGPU Based Non-photorealistic Rendering of Volume Data. Journal of Control Engineering and Applied Informatics, vol. 15, is. 1, pp. 45-52, ISSN: 1454-8658, 2013, WOS:000316924200005
- 241.8. Morar A., Moldoveanu F., Asavei V., Moldoveanu A., Egner A. (2012). Multi-GPGPU Based Medical Image Processing in Hip Replacement. Journal of Control Engineering and Applied Informatics, vol. 14, is. 3, pp. 25-34, ISSN: 1454-8658, 2012, WOS:000309372900004
242. Bălan O., Moldoveanu A., Butean A., Moldoveanu F., Negoii I. (2015). Comparative Research on Sound Localization Accuracy in the Free-Field and Virtual Auditory Displays, Proceedings of the 11th International Scientific Conference eLearning and Software for Education, Bucharest, April 23-24, Vol. 1, ISSN: 2343–7669, ISSN–L: 2066–026X, Paper ID 79, 2015, WOS:000384469000079
243. Bălan, Oana and Moldoveanu, Alin and Butean, Alexandru and Moldoveanu, Florica and Negoii, Ionut (2015). The Role of Perceptual Feedback Training on Sound Localization Accuracy in Audio Experiments. In Proceedings of The 11th International Scientific Conference eLearning and software for Education. April 2015, Issue 1, pp 502-50, WOS:00038446900007
244. Ferche, Oana, Moldoveanu, Alin, Cinteza, Delia, Toader, Corneliu, Moldoveanu, Florica, Voinea, Alexandra, Taslitchi, Cristian (2015). From Neuromotor Command to Feedback: a Survey of Techniques for Rehabilitation through Altered Perception. In 5th International Conference on e-Health and Bioengineering – EHB 2015. ISBN 978-1-4673-7545-0 ©2015 IEEE, November 2015, IEEE Xplore, WOS:000380397900010
245. Ferche, Oana, Moldoveanu, Alin, Moldoveanu, Florica, Asavei, Victor, Voinea, Alexandra, Negoii, Ionut (2015). Challenges and Issues for Successfully Applying Virtual Reality in Medical rehabilitation. In 11th International Scientific Conference on eLearning and Software for Education (eLSE 2015), no. 1, pp. 494-501, April 2015, WOS:000384469000073
246. Grădinaru, Alexandru; Moldoveanu, Florica; Soceanu, Alexandru; Socher, Gudrun; Gutierrez, Alberto Eloy Garcia (2015). Acces Control to the Resources of an Open Distributed European Virtual Campus Platform. In The International Scientific Conference eLearning and Software for Education (eLSE 2015), Carol I Natl Defence Univ Publishing House, vol. 1, ISSN 2066-026X, Bucharest, ROMANIA, pp. 216-223, 2015, WOS:000384469000032
247. H. Alabbasi, A. Grădinaru, F. Moldoveanu, A. Moldoveanu (2015). Human motion tracking & evaluation using Kinect V2 sensor. E-Health and Bioengineering Conference (EHB), 2015, Iasi, 2015, pp. 1-4. DOI 10.1109/EHB.2015.7391465, WOS:000380397900118
248. Harutyunyan P., Butean A., Morar A., Moldoveanu A., Moldoveanu F. (2015). Improving Ergonomics for Sedentary Jobs Through Bodyposture Monitoring, Proceedings of the 11th International Scientific Conference eLearning and Software for Education, Bucharest, April 23-24, Vol. 1, ISSN: 2343–7669, ISSN–L: 2066–026X, Paper ID 80, 2015, pp. 549-556
249. O. Bălan, A. Moldoveanu, F. Moldoveanu (2015). Binaural Sound Analysis and Spatial Localization for the Visually Impaired People”, 9th International Conference on Interfaces and Human Computer Interaction, 22 – 24 Iulie 2015, Las Palmas de Gran Canaria, Spain, ACM digital library
250. Savin, C., Moldoveanu, F., Moldoveanu, A. (2015). Simulation and Visualisation Tool to Explore The Impacts of Complex and Cross-Related Environment Changes”, Proceedings of the 11th International Scientific Conference "eLearning and Software for Education", Bucharest, April 2015, pp 573-580, ISI indexed
251. Stefan, L., Moldoveanu, F. (2015). Gamified 3D Virtual Learning Environment For Improved Students' Motivation And Learning Evaluation. A Case Study On 3DUPB Campus. In Proceeding of the 11th

- International Scientific Conference eLearning and software for Education (eLSE), vol. I, ISSN: 2066-026X-15-104, pp. 94-101, April 2015, ISI indexed
252. Voinea, A. Moldoveanu, F. Moldoveanu, O. Ferche (2015). ICT Supported Learning for Neuromotor Rehabilitation - Achievements, Issues and Trends, Proceedings of the 11th International Scientific Conference "eLearning and Software for Education", Bucharest, April 2015, Bucharest, Romania, Vol. 1, pp 594-601, ISI indexed
253. Voinea, A. Moldoveanu, F. Moldoveanu, O. Ferche (2015). Motion Detection and Rendering for Upper Limb Post-Stroke Rehabilitation, E-Health and Bioengineering 2015, Iasi, Romania, November 19-21 2015, DOI: 10.1109/EHB.2015.7391471, ISBN: 978-1-4673-7544-3, pp 1-4. IEEE Xplore
254. Francu Mihai, Moldoveanu, Florica (2015). Cloth Simulation Using Soft Constraint". In Journal of WSCG . Vaclav Skala - Union Agency Na Mazinach 9 CZ 322 00 Plzen, Czech Republic, vol. 23, no. 1, ISSN ISSN 1213-6972, pp. 9-18, 2015, ISBN 978-80-86943-69-5, Scopus
255. Frâncu M., Moldoveanu F (2015). Virtual Try On Systems for Clothes: Issues and Solutions, Scientific Bulletin of UPB, Series C, Vol. 77, Iss. 4, 2015, pages 31- 44, B+, Scopus, Inspec
256. Balan Oana, Moldoveanu Alin, Moldoveanu Florica, Dascalu Maria-Iuliana (2014). Audio Games - A Novel Approach Towards Effective Learning In The Case Of Visually-Impaired People", 7th International Conference of Education, Research and Innovation (ICERI), Seville, SPAIN, NOV 17-19, 2014, Book Series: ICERI, Proceedings Pages: 6542-6548, Published: 2014, ISBN:978-84-617-2484-0. Indexed WOS
257. Balan Oana, Moldoveanu Florica, Morar Anca, Asavei Victor (2014). Experiments On Training The Sound Localization Abilities: A Systematic Review", 10th International Scientific Conference on eLearning and Software for Education, Bucharest, Romania, APR 24-25, 2014, Vol. 2, Pages: 34-41, Published: 2014, ISSN: 2066-026X, WOS:000357159300005
258. Harutyunyan P., Moldoveanu A., Moldoveanu F., Butean VA (2014). Technologies For Monitoring Students Body Posture And Physiological Parameters During Learning. Proc. of the 10th International Scientific Conference eLearning and software for Education-Bucharest, April 24-25, 2014, Vol. 1, pp 67-72 ISSN: 2066 - 026X print 2066 - 8821 online. 2014, WOS:000357153000009
259. Iordache Raluca, Iordache Serban, Moldoveanu Florica (2014). A Framework for the Study of Preference Incorporation in Multiobjective Evolutionary Algorithms, Proceedings of the 16th Genetic and Evolutionary Computation Conference (GECCO), Vancouver, Canada, July 12-16, 2014 (GECCO'14), Pages: 621-628, Published: 2014, ISBN:978-1-4503-2662-9, WOS:000364333000079
260. Iordache Raluca, Moldoveanu Florica (2014). A Genetic Algorithm for Automated Service Binding, 24th DAAAM International Symposium on Intelligent Manufacturing and Automation, Univ Zadar, Croatia, Oct. 23-26, 2013, Book Series: Procedia Engineering, Volume: 69 Pages: 1162-1171, Published: 2014, ISSN: 1877-7058, WOS:000335859300154
261. Moldoveanu Alin, Balan Oana, Moldoveanu Florica (2014). Training System For Improving Spatial Sound Localization, 10th International Scientific Conference on eLearning and Software for Education, Bucharest, Romania, April 24-25, 2014, Vol. 1, Book Series: eLearning and Software for Education, Pages: 79-84, Published: 2014, ISSN: 2066-026X, WOS:000357153000011
262. O. Bălan, A. Moldoveanu, F. Moldoveanu, M. I. Dascălu (2014). Navigational 3D Audio-Based Game - Training Towards Rich Auditory Spatial Representation of the Environment, Proceedings of the 18th International Conference on System Theory, Control and Computing, Sinaia, Romania, Octombrie 17-19, 2014, pp. 688-693, ISBN 978-1-4799-4602-0, IEEE Xplore
263. Petrescu Lucian, Moldoveanu Florica, Asavei Victor, Moldoveanu Alin, Ferche Oana (2014). A GPU Task Generator for Rendering. In ICSTCC 2014 - 18th International Conference On System Theory, Control and Computing. ISBN ISBN 978-1-4799-4602-0, pp. 562--567, October 2014, IEEE Xplore
264. Shudayfat Eman Ahmad, Moldoveanu Florica (2014). Prototyping A 3D MMO Virtual Environment For Chemistry Learning, 10th International Scientific Conference on eLearning and Software for Education Location: Bucharest, Romania, April 24-25, 2014, Vol. 1 Book Series: eLearning and Software for Education, Pages: 24-32, Published: 2014, ISSN: 2066-026X, WOS:000357153000003
265. Stefan Livia, Moldoveanu Florica, Moldoveanu, Alin (2014). Blended Learning in a Mixed Reality-based 3D Multi-User Virtual Environment. In eLSE 2014 - 10th International Scientific Conference "eLearning and Software for Education". vol. 1, ISSN 2066-026X, pp. 105--112, April 2014 (ISI Proceedings indexed), WOS:000357153000015
266. Andrei Vasileteanu; Nicolae Goga; Florica Moldoveanu; Alin Moldoveanu; Cristian Taslitchi (2013). IEEE International Conference on Healthcare Informatics (ICHI), 2013, pp 478, DOI: 10.1109/ICHI.2013.66. WOS:000332894400060
267. Iordache Raluca, Moldoveanu Florica (2013). A web service composition approach based on QoS preference, 6th IEEE International Conference on Service-Oriented Computing and Applications (SOCA),

Kauai, HI, DEC 16-18, 2013, Pages: 220-224, Published: 2013, ISBN:978-1-4799-2701-2, WOS:000345618100033

- 268.L. Stefan, F. Moldoveanu (2013). Game-based learning with Augmented Reality – from technology's affordances to game design and educational scenarios, Proceedings of eLSE The 9th International Scientific Conference eLearning and software for Education, Bucharest (indexed ISI Proceedings), 2013, WOS:000328100100015
- 269.L. Ștefan, D. Gheorghiu, F. Moldoveanu, A. Moldoveanu (2013). Ubiquitous learning solutions for remote communities – A case study for K-12 classes in a Romanian village, in I. Dumitrache, A. Florea and F. Pop (eds), Proceedings of 19th International Conference on Control Systems and Computer Science (CSCS19), Bucharest, pp 569-574 (indexed ISI Proceedings, IEEEExplore), WOS:000328493800086+F20
- 270.Petrescu L.A, Moldoveanu F, Moldoveanu A, Morar A, Asavei V. (2013). Efficient Picking through Atomic Operations. CSCS 19 - The 19th International Conference On Control Systems And Computer Science, 29-31 May 2013, Bucharest, pp. 66-70, 978-0-7695-4980-4, Published by the IEEE Computer Society. 2013, ISBN:978-0-7695-4980-4, WOS:000328493800010
- 271.Shudayfat E., Moldoveanu A., Moldoveanu F. (2013). Gradinaru A. Virtual Reality-Based Biology Learning Module. 9th International Conference eLearning and Software for Education, Bucharest, Romania (eLSE 2013), pp. 621-626. ISSN: 2066-026. 2013, WOS:000328100100100. (indexed ISI Proceedings)
- 272.Egner Alexandru, Soceanu Alexandru, Moldoveanu Florica (2012). Managing Secure Authentication for Standard Mobile Medical Networks", 17th IEEE Symposium on Computers and Communications (ISCC), TURKEY, JUL 01-04, 2012, Pages: 390-393, Published: 2012, ISBN:978-1-4577-1787-, WOS:000313296502103, IEEEExplore
- 273.Egner Alexandru, Soceanu Alexandru, Moldoveanu Florica (2012). Biometric Identity Management for Standard Mobile Medical Networks, 34th Annual International Conference of the IEEE Engineering-in-Medicine-and-Biology-Society (EMBS), San Diego, AUG 28-SEP 01, 2012, Book Series: IEEE Engineering in Medicine and Biology Society Conference Proceedings, pages: 2186-2189, ISBN:978-1-4577-1787-1, WOS:000313296502103

Florin Pop and Ph.D. students

- 274.F. Pop, R.-I. Ciobanu, C. Dobre (2015). Adaptive Method to Support Social-based Mobile Networks Using a PageRank Approach, in Concurrency and Computation: Practice and Experience (ISSN: 1532-0634), Vol. 27, Issue 8, pages 1900–1912, 10 June 2015 (DOI: 10.1002/cpe.3103). WOS:000353351800061
- 275.M.-C. Nita, F. Pop, C. Voicu, C. Dobre, F. Xhafa (2015). MOMTH: multi-objective scheduling algorithm of many tasks in Hadoop, in Cluster Computing (ISSN: 1386-7857), Vol. 18, Issue 3, pp 1011-1024, Sep. 2015 (DOI: 10.1007/s10586-015-0454-8). WOS:000361897200002, IF: 1,51
- 276.A. Olteanu, F. Pop, C. Dobre, V. Cristea (2012). A dynamic rescheduling algorithm for resource management in large scale dependable distributed systems, in Computers and Mathematics with Applications (CAMWA) (ISSN: 0898-1221), 63(9), pp. 1409-1423, 2012. WOS:000303700100007, IF: 1,70 doi:10.1016/j.camwa.2012.02.066
- 277.Vasile, Mihaela-Andreea, Florin Pop, Radu-loan Tutueanu, Valentin Cristea, and Joanna Kołodziej (2014). Resource-aware hybrid scheduling algorithm in heterogeneous distributed computing. Future Generation Computer Systems 51 (2015): 61-71, ISSN: 0167-739X, doi:10.1016/j.future.2014.11.019
- 278.Mihaela-Catalina Nita, Florin Pop, Cristiana Voicu, Ciprian Dobre, and Fatos Xhafa (2015). MOMTH: multi-objective scheduling algorithm of many tasks in Hadoop. Cluster Computing 18, no. 3 (2015): 1011-1024, doi:10.1007/s10586-015-0454-8
279. Florin Pop, Catalin Negru, Valentin Cristea, Nik Bessis (2013). INSPECTOR: Integrated Service Platform for Management of Academic and Research Communities over the Internet. In 2013 19th International Conference on Control Systems and Computer Science (CSCS) (Ioan Dumitrache, Adina Magda Florea, Florin Pop). IEEE Computer Society, ISBN 978-0-7695-4980-4, Washington, DC, USA, pp. 247--254, May 2013

Nicolae Țăpuș and Ph.D. students

- 280.C.-L.Duta, B.-C. Mocanu, F.-A. Vladescu, L. C. Gheorghe, N. Tapus (2015). Evaluation Framework for Security and Resource Consumption of Cryptographic Algorithms". Journal of Control Engineering and Applied Informatics 17, no. 3 (2015), pp. 77-87
281. G. Lupescu, L. Gheorghe, N. Tapus (2014). Commodity hardware performance in AES processing. Proceedings of the 13th International Symposium on Parallel and Distributed Computing, IEEE, pp. 82-86.

- 282.M. Carabas, L. Mogosanu, R. Deaconescu, L. Gheorghe, N.Tapus (2014). Lightweight display virtualization for mobile devices. Proceedings of the International Workshop on In Secure Internet of Things (IoT 2014), IEEE, pp. 18-25
- 283.O. A Mohamad, R. T. Hameed, N. Țăpuș (2015). Smart Home Security based on optimal wireless sensor network routing protocols. Proceedings of the 7th International Conference on In Electronics, Computers and Artificial Intelligence (ECAI 2015), IEEE, pp. SSS-17
- 284.E. M Mocanu, N. Tapus (2014). Non-linear prediction over time-based big data application. Proceedings of the International Conference on In Intelligent Computer Communication and Processing (ICCP 2014), IEEE, pp. 405-409
- 285.Farooq, Muhammad Umar, N. Tapus (2014). Multiclass On-demand routing in heterogeneous ad hoc networks. Proceedings of the 10th International Conference on in Communications (COMM 2014), IEEE, pp. 1-4.
- 286.L. Ghica, B. Ditu, N. Tapus (2013). Automatic Generation of Architecture Model for Reconfigurable Build Tools. In Proceedings of the 19th International Conference on Control Systems and Computer Science, IEEE, pp. 142-146
- 287.A.C. Olteanu, G.D. Oprina, N. Tapus, S. Zeisberg (2013). Enabling mobile devices for home automation using zigbee. In Proceedings of the 19th International Conference on Control Systems and Computer Science, IEEE, pp. 189-195
- 288.G. Avramescu, M. Bucicoiu, D. Rosner, N. Tapus (2013). Guidelines for discovering and improving application security. In 2013 19th International Conference on Control Systems and Computer Science, pp. 560-565. IEEE, 2013
- 289.M. Bucicoiu, N. Tapus (2013). Easy attendance: Location-Based authentication for students integrated with moodle. In Proceedings of the 11th Roedunet International Conference on Networking in Education and Research (RoEduNet'13), IEEE , pp. 1-4
- 290.D. Dragomir, A. Voinescu, A.Draghici, N. Tapus (2013). WSN management in a multi-user secure context. In Proceedings of the 11th Roedunet International Conference on Networking in Education and Research (RoEduNet'13), IEEE, pp. 1-4. 2013
291. A.A. Fasui, A.C. Olteanu, N. Tapus (2013). Fault tolerant surveillance system based on a network of mobile devices. In Proceedings of the 11th Roedunet International Conference on Networking in Education and Research (RoEduNet'13), IEEE, pp. 1-6
- 292.A. Gherghina, A.C. Olteanu, N. Tapus (2013). A marker-based augmented reality system for mobile devices. In Proceedings of the 11th Roedunet International Conference on Networking in Education and Research (RoEduNet'13), IEEE, pp. 1-6
- 293.D.O. Rizea, D.S. Tudose, A.C. Olteanu, N. Tapus (2013). Adaptive query algorithm for location oriented applications In Proceedings of the 11th Roedunet International Conference on Networking in Education and Research (RoEduNet'13), IEEE, pp. 1-5
- 294.A. Voinescu, S.Petrescu, N. Tapus (2013). Optimizing software energy usage using energy profiling. In Proceedings of the 11th Roedunet International Conference on Networking in Education and Research (RoEduNet'13), IEEE, pp. 1-5
- 295.V. Zamfirache, A. C. Olteanu, N. Tapus (2013). Collaborative learning assistant for android. In Proceedings of the 2013 RoEduNet International Conference 12th Edition Networking in Education and Research, IEEE, pp. 1-6
- 296.R. Prejbeanu, A.C. Olteanu, N. Tapus (2013). Crowdsourcing solution for mobile resource consumption analysis. In Proceedings of the 2013 RoEduNet International Conference 12th Edition Networking in Education and Research, IEEE, pp. 1-6
- 297.A. Mocanu, N. Tapus. A fault-tolerant distributed solution for the parallel Gaussian reduction of huge arrays. In Proceedings of the 14th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC 2012), IEEE, pp. 303-310
- 298.R. Burtica, E. M. Mocanu, M. I. Andreica, N. Țăpuș (2012). Practical application and evaluation of no-SQL databases in Cloud Computing. In Proceedings of the IEEE International Systems Conference (SysCon 2012), IEEE, pp. 1-6
- 299.E.M. Mocanu, M. Florea, M.I. Andreica, N. Țăpuș (2012). Cloud computing—task scheduling based on genetic algorithms. In Proc. of the IEEE International Systems Conference (SysCon), IEEE, 2012, pp. 1-6
- 300.E.M. Mocanu, V. Galtier, N Țăpuș (2012). Generic and fault-tolerant bag-of-tasks framework based on javaspaces technology. In Proc. of the IEEE International Systems Conference (SysCon 2012), IEEE, pp. 1-6
- 301.C.-D. Ghiliniță, S.Stegaru, T. Popeea, N.Țăpuș (2015). Audio modulated Tesla coil. Proceedings of the 14th RoEduNet International Conference - Networking in Education and Research, Sept. 24-26, Craiova

302. I.-I. Pătru, M. Carabaş, L. Gheorghe, Ş.G. Şoriga, N. Țăpuş (2015). Porting Android on Intel-based Embedded Platform, Proceedings of the 14th RoEduNet International Conference - Networking in Education and Research, Septembrie 24-26, Craiova
303. A. Nicolae, L. Gheorghe, M. Carabas, N. Tapuş, C. Duţă (2015). LLDP Packet Generator. Proceedings of the 14th RoEduNet International Conference - Networking in Education and Research, Septembrie 24-26, Craiova
304. L. Mogosanu, M. Carabas, C. Condurache, L. Gheorghe, N. Tapus (2015). Evaluating Architecture-Dependent Linux Performance. In Proceedings of the 20th International Conference on Control Systems and Computer Science (Ioan Dumitrache, Adina Magda Florea, Florin Pop, Alexandru Dumitrascu). IEEE, vol. 1, ISBN 978-1-4799-1779-2, May 2015 pp. 499--505
305. S. M. Costea, N. Țăpuş (2015). Solving the Top-K problem for Sequence Counting Using Differential Privacy. Proceedings of the 14th RoEduNet International Conference - Networking in Education and Research, Septembrie 24-26, Craiova
306. S. Stegaru, E. I. Slușanschi, N. Țăpuş (2015). The influence of genetic operators in a Genetic Algorithm used for estimating the energy consumption in a Passive House. Proceedings of the 14th RoEduNet International Conference - Networking in Education and Research, Septembrie 24-26, Craiova
307. A. Ciocan, S. Costea, N. Țăpuş (2015). Implementation and Optimization of a Somewhat Homomorphic Encryption Scheme. Proceedings of the 14th RoEduNet International Conference - Networking in Education and Research, Septembrie 24-26, Craiova
308. M. Andreica, A. Grigorean, A. Parvu, N. Tapus (2014). Efficient Evaluation of Hyper-Rectangular Blocks of Update Operations Applied to General Data Structures. In Proceedings of the ACAM : Automation, Computers, Applied Mathematics. July 2014
309. E. M. Mocanu, M. Florea, M. I. Andreica, N. Țăpuş (2012). Cloud Computing - Task Scheduling based on Genetic Algorithms, Proceedings of the IEEE International Systems Conference, Vancouver, Canada, 19-22 March, 2012. (ISBN: 978-1-4673-0748-2)
310. R. Burtica, E. M. Mocanu, M. I. Andreica, N. Țăpuş (2012). "Practical Application and Evaluation of No-SQL Databases in Cloud Computing, Proceedings of the IEEE International Systems Conference, Vancouver, Canada, 19-22 March, 2012. (ISBN: 978-1-4673-0748-2)
311. C. Dinu, L. Gheorghe, N. Țăpuş (2012). MAGIKMAIDS: Mobile Agents for In-Kernel Monitoring, Assessment and Intervention in Distributed Systems, Proceedings of the IEEE 7th International Symposium on Applied Computational Intelligence and Informatics, 2012, pp. 47-52.
312. E. M. Mocanu, V. Galtier, N. Țăpuş (2012). Generic and fault-tolerant bag-of-tasks framework based on JavaSpace technology Conference: Annual IEEE Systems Conference - SysCon , 2012

Ștefan Trăușan-Matu and Ph.D. students

313. Nistor, N., Trausan-Matu, S., Dascalu, M., Duttweiler, H., Chiru, C., Baltas, B., & Smeaton, G. (2015). Finding student-centered open learning environments on the internet: Automated dialogue assessment in academic virtual communities of practice. *Computers in Human Behavior*, 47(1), 119–127 (ISI Journal, impact factor 2.694)
314. Dascalu, M., Trausan-Matu, S., McNamara, D. S., & Dessus, P. (2015). ReaderBench - Automated evaluation of collaboration based on cohesion and dialogism, *International Journal of Computer-Supported Collaborative Learning*, 10(4), 395-423. doi: 10.1007/s11412-015-9226-y (ISI Journal, impact factor 1.841)
315. Allaymoun, H.M, Trausan-Matu, S. (2015), Rhetorical Structure Analysis for Assessing Collaborative Processes in CSCL, in Proceedings of the 19th IEEE International Conference on System Theory, Control and Computing, ICSTCC 2015, Cheile Gradistei, Romania, pp. 123-127. Also in THE ANNALS OF "DUNĂREA DE JOS" UNIVERSITY OF GALATI FASCICLE III, 2015, VOL. 38, NO. 1, ISSN 2344-4738, ISSN-L 1221-454X, pp.17- 22
316. Balint, M., Trausan-Matu, S. (2015). A Model for the Recognition of Discourse Relations, 20th Int. Conf. on Control Systems and Computer Science (CSCS20). Bucharest, Romania: IEEE, pp. 365-369.
317. Cristian Dascălu, Ștefan Traușan-Matu (2015). Computer-Based Polyphonic Analysis of Novels, *Annals of the Academy of Romanian Scientists, Series on Science and Technology of Information*, ISSN 2066-8526, Volume 8, Number 1/2015, pp. 57-68
318. Dascalu, M., Stavarache, L.L., Dessus, P., Trausan-Matu, S., McNamara, D.S., Bianco, M. (2015). ReaderBench: An Integrated Cohesion-Centered Framework. In G. Conole, T. Klobucar, C. Rensing, J. Konert & É. Lavoué (Eds.), 10th European Conf. on Technology Enhanced Learning (pp. 505–508). Toledo, Spain: Springer
319. Dumitru-Clementin Cercel, Ștefan Trausan-Matu (2015). Modeling Post-level Sentiment Evolution in Online Forum Threads, In Proceedings of the International Conference on Agents and Artificial Intelligence

- (ICAART-2015), pages 588-593, ISBN: 978-989-758-074-1, DOI: 10.5220/0005286605880593, Science and Technology Publications Lda.
320. Molomer Denisleam, S., Trausan-Matu, S. (2015). Analysis of the Types of Pauses in Student Textual Verbalization, In 4th Int. Workshop on Semantic and Collaborative Technologies for the Web, in conjunction with the 11th Int. Conf. on eLearning and software for Education (eLSE 2015), Bucharest, Romania: IEEE, pp. 400-406, Bucharest, Romania: Carol I NDU Publishing House
321. Molomer Denisleam, S., Trausan-Matu, S. (2015). Analysis of the types of pauses in cscl chat conversations, Annals of the Academy of Romanian Scientists, Series on Science and Technology of Information, ISSN 2066-8526, Volume 8, Number 2/2015, pp. 37-50
322. Nicolae Nistor, Mihai Dascalu, Larise Lucia Stavarache, Yvonne Serafin, Stefan Trausan-Matu (2015). Informal Learning in Online Knowledge Communities: Predicting Community Response to Visitor Inquiries, in G. Conole et al. (Eds.): Proceedings of EC-TEL 2015, LNCS 9307, pp. 447-452, Springer, 2015
323. Nistor, Nicolae; Dascalu, Mihai; Stavarache, Lucia Larise; Tarnai, Christian; Trausan-Matu, Stefan (2015). Predicting Newcomer Integration in Online Knowledge Communities by Automated Dialog Analysis, In Y. Li, M. Chang, M. Kravcik, E. Popescu, R. Huang, Kinshuk & N.-S. Chen (Eds.), State-of-the-Art and Future Directions of Smart Learning (Vol. Lecture Notes in Educational Technology, pp. 13-17). Berlin, Germany: Springer-Verlag Singapur
324. Paraschiv, I. C., Dascalu, M., Trausan-Matu, S., Dessus, P. (2015). Automated Paper Annotation with ReaderBench. In (Eds.): Marian Dardala, Traian Rebedea, Preceedings of the Romanian Conference on Human-Computer Interaction, RoCHI 2015, MATRIX ROM, Bucharest, 2015, pp. 75-80
325. Paraschiv, I.C., Dascalu, M., Dessus, P., Trausan-Matu, S., McNamara, D.S. (2015). A Paper Recommendation System with ReaderBench: The Graphical Visualization of Semantically Related Papers and Concepts. In Y. Li, M. Chang, M. Kravcik, E. Popescu, R. Huang, Kinshuk & N.-S. Chen (Eds.), State-of-the-Art and Future Directions of Smart Learning (Vol. Lecture Notes in Educational Technology, pp. 443–449). Berlin, Germany: Springer-Verlag Singapur
326. Paraschiv, I.C., Dascalu, M., Trausan-Matu, S., Dessus, P. (2015). Analyzing the Semantic Relatedness of Paper Abstracts - An Application to the Educational Research Field. In 2nd Int. Workshop on Design and Spontaneity in Computer-Supported Collaborative Learning (DS-CSCL-2015), in conjunction with the 20th Int. Conf. on Control Systems and Computer Science (CSCS20). Bucharest, Romania: IEEE, pp. 759-764
327. Paraschiv, I.C., Dascalu, M., Trausan-Matu, S., & Dessus, P., A Semantic Approach to Analyze Scientific Paper Abstracts. In 4th Int. Workshop on Semantic and Collaborative Technologies for the Web, in conjunctiSon with the 11th Int. Conf. on eLearning and software for Education (eLSE 2015), Bucharest, Romania: IEEE, pp. 393–399, Bucharest, Romania: Carol I NDU Publishing House
328. Stavarache, L.L., Dascalu, M., Trausan-Matu, S., Nistor, N. (2015). How Does Time Shape a Virtual Community of Practice? In 4th Int. Workshop on Semantic and Collaborative Technologies for the Web, in conjunction with the 11th Int. Conf. on eLearning and software for Education (eLSE 2015), Bucharest, Romania: IEEE, pp. 380–386, Bucharest, Romania: Carol I NDU Publishing House
329. Murillo Montes de Oca, A., Nistor, N., Dascălu, M., Trăușan-Matu, Ș. (2014). Designing smart knowledge building communities. *Int. J. Interaction Design & Architecture(s)*, 22, 9-21 (2014)
330. Stefan Trausan-Matu, Mihai Dascalu, Traian Rebedea (2014). PolyCAFe—automatic support for the polyphonic analysis of CSCL chats, *International Journal of Computer-Supported Collaborative Learning*, 06/2014; Volume 9(2), Springer, pp. 127-156, 2014 (ISI Journal, impact factor 1.841)
331. Nistor, N., Baltes, B., Smeaton, G., Dascălu, M., Mihailă, D., Trăușan-Matu, Ș. (2014). Participation in virtual academic communities of practice under the influence of technology acceptance and community factors. A learning analytics application. *Computers in Human Behavior*, 34 (2014) 339–344. doi: <http://10.1016/j.chb.2013.10.051>, (ISI Journal, impact factor 2.694)
332. Ciobanu, R.I., Dobre, C., Dascalu, M., Trausan-Matu, S., Cristea, V. (2014). SENSE: A Collaborative Selfish Node Detection and Incentive Mechanism for Opportunistic Networks. *Journal of Network and Computer Applications*, Volume 41, Issue 1, May 2014, Pages 240-249 (ISI Journal, impact factor 2.229)
333. Cercel, Dumitru-Clementin and Trausan Matu, Stefan (2014). User-Level Opinion Propagation Analysis in Discussion Forum Threads. In 16th International Conference on Artificial Intelligence: Methodology, Systems, Applications (AIMSA 2014), Lecture Notes in Computer Science, vol. 8722, ISBN 978-3-319-10553-6, pp. 25--36, Springer, 2014
334. Dascalu, M., Dessus, P., Bianco, M., Trausan-Matu, S. (2014). Are automatically identified reading strategies reliable predictors of comprehension? In S. Trausan-Matu, E. Boyer, M. Crosby, K. Panourgia (Eds.), 12th Int. Conf. on Intelligent Tutoring Systems (ITS 2014) (pp. 456–465). New York: Springer, LNCS 8474. [Honolulu (HI), USA
335. Dascalu, M., Trausan-Matu, S., Dessus, P. (2014). Validating the automated assessment of participation and of collaboration in chat conversations. In S. Trausan-Matu, E. Boyer, M. Crosby, K. Panourgia (Eds.), 12th

- Int. Conf. on Intelligent Tutoring Systems (ITS 2014) (pp. 230–235). New York: Springer, LNCS 8474. [Honolulu (HI), USA
336. Paraschiv, Ionut Cristian; Dascalu, Mihai; Trausan-Matu, Stefan; Voice control framework for form based applications; 16th International Conferinta on Artificial Intelligence: Methodology, Systems, and Applications (AIMSA 2014); LNAI 8722, Springer, ISBN 978-3-319-10553-6, pp. 222-227
 337. Predoiu, Cristina; Dascalu, Mihai; Trausan-Matu, Stefan (2014). Trust and user profiling for refining the prediction of reader's emotional state induced by news articles; 13th IEEE International Conference RoEduNet; pp. 158-163
 338. Ciotec, Silvia; Dascalu, Mihai; Trausan-Matu, Stefan; A Comprehensive Study of Twitter Social Networks; 13th IEEE International Conference RoEduNet, pp. 164-170
 339. Iulia Badea, Stefan Trausan-Matu (2014), CSCL Chats' Analysis Based on Time Series, in Proceedings of RoEduNet Conference 13th Edition: Networking in Education and Research Joint Event with RENAM 8th Conference, 2014, IEEE, pp. 177-179, (ISI Web of Knowledge)
 340. Sibel Molomer (Denisleam), Stefan Trausan-Matu (2014). Analysis of interactions in a collaborative learning session of Instant Messaging, in Proceedings of RoEduNet Conference 13th Edition: Networking in Education and Research Joint Event with RENAM 8th Conference, 2014, IEEE, pp. 180-183
 341. Cercel, D.-C., Trausan-Matu, S. (2014). Opinion Propagation in Online Social Networks: a survey. In Proceedings of the 4th International Conference on Web Intelligence, Mining and Semantics (WIMS14) - WIMS '14 (pp. 1–10). New York, New York, USA: ACM Press. doi:10.1145/2611040.2611088
 342. Alasfour A., Trausan-Matu, S. (2014). Automatic Three Dimension (3-D) Word Alignment Approach, Annals of the Academy of Romanian Scientists, Series on Science and Technology of Information, Volume 7, Number 1/2014, pp. 35-54
 343. Ciobanu, R.I., Dobre, C., Dascalu, M., Trausan-Matu, S., Cristea, V. (2013). Collaborative Selfish Node Detection with an Incentive Mechanism for Opportunistic Networks. In 5th IFIP/IEEE International Workshop on Management of the Future Internet in conjunction with IFIP/IEEE International Symposium on Integrated Network Management. Ghent, Belgium: IEEE, pp. 1161 - 1166. (Category A in ARC Conference Ranking)
 344. Ciubuc, C., Dascalu, M., Trausan-Matu, S., Marhan, A.-M. (2013). Forming Teams by Psychological Traits An Effective Method of Developing Groups in an Educational Environment. In 1st International Workshop on Design and Spontaneity in Computer-Supported Collaborative Learning (DS-CSCL-2013), in conjunction with the 19th Int. Conf. on Control Systems and Computer Science (CSCS19). Bucharest, Romania: IEEE. (ISI Web of Knowledge)
 345. Costin-Gabriel Chiru, Traian Rebedea, Stefan Trausan-Matu (2013). Assessing the Participants in CSCL Chat Conversations (2013). Cohesion-based Analysis of CSCL Conversations: Holistic and Individual Perspectives. In N. Rummel, M. Kapur, M. Nathan & S. Puntambekar (Eds.), 10th Int. Conf. on Computer-Supported Collaborative Learning (CSCL 2013). Madison, USA: ISLS, pp. 233-234 (Category A+ in ARC Conference Ranking)
 346. Costin-Gabriel Chiru, Traian Rebedea, Stefan Trausan-Matu (2013). Identifying Gender Differences in CSCL Chat Conversations (2013). In N. Rummel, M. Kapur, M. Nathan & S. Puntambekar (Eds.), 10th Int. Conf. on Computer-Supported Collaborative Learning (CSCL 2013). Madison, USA: ISLS, pp. 97-104 (Category A+ in ARC Conference Ranking)
 347. Costin-Gabriel Chiru, Stefan Trausan-Matu (2013). A Tool for Discourse Analysis and Visualization, International Journal of Virtual Communities and Social Networking, 5(2), 55-71, April-June 2013
 348. Dascalu, M., Trausan-Matu, S., Dessus, P. (2013). Cohesion-based Analysis of CSCL Conversations: Holistic and Individual Perspectives. In N. Rummel, M. Kapur, M. Nathan & S. Puntambekar (Eds.), 10th Int. Conf. on Computer-Supported Collaborative Learning (CSCL 2013). Madison, USA: ISLS, pp. 145-152 (Category A+ in ARC Conference Ranking)
 349. Dumitrescu, Stefan Daniel, Trausan-Matu, Stefan Brut, Mihaela and Sedes, Florence (2013). Ontology-based flexible topic classification of crowdsourcing textual resources. In Proceedings of the Fifth International Conference on Management of Emergent Digital EcoSystems (MEDES '13). ACM, New York, NY, USA, pp. 145-151. DOI=10.1145/2536146.2536172 <http://doi.acm.org/10.1145/2536146.2536172>
 350. Ion Ghiban, Stefan Trausan-Matu (2013). Network Based Analysis of Intertextual Relations, Proceedings of WorldCIST'13 - The 2013 World Conference on Information Systems and Technologies, 2013, Advances in Intelligent Systems and Computing, 206, Springer, pp. 753-762
 351. Stefan Trausan-Matu, Mihai Dascalu, Philippe Dessus (2012). Textual Complexity and Discourse Structure in Computer-Supported Collaborative Learning, Lecture Notes in Computer Science, 2012, Volume 7315/2012, Springer, DOI: 10.1007/978-3-642-30950-2_46 ITS 2012: 352-357

352. Costin-Gabriel Chiru, Stefan Trausan-Matu: Identification and Classification of the Most Important Moments from Students' Collaborative Discourses, Lecture Notes in Computer Science, 2012, Volume 7315/2012, Springer, DOI: 10.1007/978-3-642-30950-2_46 ITS 2012: 330-339, ISBN 978-3-642-30949-6
353. Mihai Dascalu, Stefan Trausan-Matu, Philippe Dessus (2012). Towards an Integrated Approach for Evaluating Textual Complexity for Learning Purposes, In E. Popescu, R. Klamma, H. Leung, & M. Specht (Eds.), Advances in Web-based Learning. New York: Springer, LNCS 7558; ICWL 2012, pp. 268-278
354. Constantin Daniil, Mihai Dascalu, and Stefan Trausan-Matu (2012). Automatic forum analysis: a thorough method of assessing the importance of posts, discussion threads and of users' involvement. In Proceedings of the 2nd International Conference on Web Intelligence, Mining and Semantics (WIMS '12). ACM, New York, NY, USA, , Article 37

A2. Articles in journals and conference proceedings volumes, indexed in other databases

Authors in the doctorate domain System Engineering

Theodor Borangiu and Ph.D. students

1. Voinescu, I., Borangiu, Th. (2015). Optimizing and configuring a public transport service – component of the service system's information-based management (in Romanian), AGIR Bulletin "Research and Engineering Expertise", Bucharest, No. 4, October-December 2015, 86-96, ISSN-L1224-7928
2. Stocklosa, O., Borangiu, Th., Raileanu, S., Morariu, O., Morariu, C. (2015). Visual guidance of robots integrated in intelligent manufacturing, Scientific Bulletin of University Politehnica of Bucharest, Series C, no. 2 (2015), ISSN 1223-7027
3. Anton, F., Dragoicea, M., Borangiu, Th., Anton, S., Voinescu, I., Pop, F. (2015). Cloud-based services for on demand education, Proceedings of the 3rd International IBM Cloud Academy Conference ICACON'15, May 21-23, 2015, Budapest
4. Morariu, O., Borangiu, Th., Raileanu, S., Morariu, C. (2015). Virtualization of manufacturing execution system with smart private cloud, Proceedings of the 3rd International IBM Cloud Academy Conference ICACON'15, May 21-23, 2015, Budapest
5. Morariu, O., Morariu, Cristina, Borangiu, Th., Raileanu, S. (2015), Multicast dataset synchronization and agent negotiation in distributed manufacturing control systems, Proceedings of the 15th IFAC Symposium on Information Control Problems in Manufacturing, May 12-15, Ottawa, IFAC Papers Online, Vol. 48, issue 3, 1087-1092, Elsevier
6. Radulescu, S., Borangiu, Th., Anton, F.D. (2014). Educational Services and Cloud Computing, Scientific Bulletin of University Politehnica of Bucharest, Series C, no.2 (2014), ISSN 1223-7027
7. Avram, S., Caragea, D., Borangiu, Th. (2014). NLP applications in external plagiarism detection, Scientific Bulletin of University Politehnica of Bucharest, Series C, no. 3 (2014), ISSN 1223-7027
8. Raileanu, S., Borangiu, Th., Ivanescu, N.-A., Morariu, O. (2014). Integration of Mobile Agents in Distributed Manufacturing Control, in IEEE Proceedings vol. of the 18th Int. Conf. on System Theory, Control and Computing, ICSTCC'18, Sinaia, Romania, October 17-19, 2014, p. 145-150, IEEE Xplore Digital Library, DOI: 10.1109/ICSTCC.2014.6982406,
9. Borangiu, Th., Ciocan, M., Raileanu, S. And O. Morariu (2014). Complex Surface Generation through Procedural Robot Motion, in IEEE Proceedings vol. of the 18th Int. Conf. on System Theory, Control and Computing, ICSTCC'18, Sinaia, Romania, October 17-19, 2014, p. 169-174, IEEE Xplore Digital Library, DOI: 10.1109/ICSTCC.2014.6982410,
10. Borangiu, Th., Raileanu, S., Ivanescu, N.-A., Stocklosa, O. and O. Morariu (2014). Multitasking Robot-Vision for Supply Holon Execution in Intelligent Manufacturing, in IEEE Xplore Proceedings of the 23rd Int. Conf. on Robotics in Alpe-Adria-Danube Region RAAD'14, Smolenice, Slovakia, 3-5 September, 2014, DOI: 978-1-4799-6797-1, ISBN 978-1-4799-6797-1
11. Morariu, Cristina, Morariu, O., and Th. Borangiu (2013). Offer Request Management in Service Oriented Holonic Manufacturing, Scientific Bulletin of University Politehnica of Bucharest, 2013, C Series, ISSN (print): 1223-7027
12. Morariu, O., Morariu, C., Borangiu, Th. (2013). Adopting Virtualization Technologies in Robotized Manufacturing, Proceedings of the 22th Int. Workshop on Robotics in Alpe-Adria-Danube Region RAAD 2013, September 11-13, 2013, Porto Roz, Slovenia, ISBN 978-961-264-064-4

13. Dumitrache, A., Ivanescu, N-A., Borangiu, Th. (2013). Robot Sandbox: an Open Source Robot Simulator for Classroom Use, Proceedings of the 22th Int. Workshop on Robotics in Alpe-Adria-Danube Region RAAD 2013, September 11-13, 2013, Porto Roz, Slovenia, ISBN 978-961-264-064-4
14. Morariu, C., Morariu, O., Borangiu, Th. (2013). Formalized Information Representation for Intelligent Products in Service-Oriented Manufacturing, Proceedings of the 11th IFAC Workshop on Intelligent Manufacturing Systems IMS'13, Sao Paulo, Brazil, 2013, Vol. 11, Part 1, p. 318-323, DOI: 10.3182/20130522-3-BR-4036.00017, ISBN: 978-3-902823-33-5, ISSN: 1474-6670
15. Carbone, G., Ceccarelli, M., Borangiu, Th. (2012). A Low-Cost Control Architecture for User-Oriented Service Applications of Cassino Parallel Manipulator, in Proceedings of 14th IFAC INCOM'12 Symposium, IFAC PapersOnLine, Vol. 14, Part 1, DOI: 10.3182 / 20120523 - RO - 2023.00337, ISSN 1474-6670, ISBN 978-3-902661-98-2
16. Morariu, C., Morariu, O., Borangiu, Th. (2012). Cost-Analysis for Service-Oriented Holonic Manufacturing System Design, in Proceedings of 14th IFAC INCOM'12 Symposium, IFAC PapersOnLine, Vol. 14, Part 1, DOI: 10.3182 / 20120523 - RO - 2023.00268, ISSN 1474-6670, ISBN 978-3-902661-98-2
17. Morariu, C., Morariu, O., Borangiu, Th. (2012). Customer Order Management in Service Oriented Holonic Manufacturing, in Proceedings of 14th IFAC INCOM'12 Symposium, IFAC PapersOnLine, Vol. 14, Part 1, DOI: 10.3182 / 20120523 - RO - 2023.00267, ISSN 1474-6670, ISBN 978-3-902661-98-2
18. Borangiu, Th., Raileanu, S., Trentesaux, D., Berger, T., Iacob, I. (2012). Distributed Manufacturing Control with Extended CNP Interaction on Intelligent Products, in Proceedings of 14th IFAC INCOM'12 Symposium, IFAC PapersOnLine, Vol. 14, Part 1, DOI: 10.3182 / 20120523 - RO - 2023.00415, ISSN 1474-6670, ISBN 978-3-902661-98-2
19. Borangiu, Th., Stanculeanu, I. (2012). Enhanced RSSI Localization System for Asset Tracking Services Using Non Expensive IMU, in Proceedings of 14th IFAC INCOM'12 Symposium, IFAC PapersOnLine, Vol. 14, Part 1, DOI: 10.3182 / 20120523 - RO - 2023.00430, ISSN 1474-6670, ISBN 978-3-902661-98-2
20. Morariu, C., Borangiu, Th. (2012). Manufacturing Integration Framework: A SOA Perspective on Manufacturing, in Proceedings of 14th IFAC INCOM'12 Symposium, IFAC PapersOnLine, Vol. 14, Part 1, DOI: 10.3182 / 20120523 - RO - 2023.00445, ISSN 1474-6670, ISBN 978-3-902661-98-2
21. Morariu, C., Morariu, O., Borangiu, Th. (2012). Manufacturing Service Bus Integration Model for Implementing Highly Flexible and Scalable Manufacturing Systems, in Proceedings of 14th IFAC INCOM'12 Symposium, PapersOnLine, Vol. 14, Part 1, DOI: 10.3182 / 20120523 - RO - 2023.00433, ISSN 1474-6670, ISBN 978-3-902661-98-2
22. Anton, F.D., Anton, S., Borangiu, Th., Stocklosa, O. (2012). Online Rapid Vision Integration for a Robotized China plates Manufacturing Line, in Proceedings of 14th IFAC INCOM'12 Symposium, IFAC PapersOnLine, Vol. 14, Part 1, DOI: 10.3182 / 20120523 - RO - 2023.00431, ISSN 1474-6670, ISBN 978-3-902661-98-2,
23. Borangiu, Th., Ceccarelli, M., Anton, F.D., Anton, S., Carbone, G., Stocklosa, O. (2012). Open Robot Control for Services in Construction, in Proceedings of 14th IFAC INCOM'12 Symposium, IFAC PapersOnLine, Vol. 14, Part 1, DOI: 10.3182 / 20120523 - RO - 2023.00341, ISSN 1474-6670, ISBN 978-3-902661-98-2

Cătălin Buiu and Ph.D. students

24. S. Avram, A. Milac, C. Buiu, L.-C. Borcan (2014). Advanced QSAR and Computational Mutagenesis Applied to Mitotic Checkpoint Protein hMad1 Mutants with Implication in Genetic Disorders, *New Frontiers in Chemistry* (ISSN 2393-2171), 23(1):61-72
25. V. Roman, C. Buiu (2014). Automatic detection of meteors using artificial neural networks, Proceedings of the International Meteor Conference, Giron, France, Sept. 18-21, 2014

Radu Dobrescu and Ph.D. students

26. Popeanga, C., Dobrescu, R., Ionescu, G. (2013). Optimizing node response using real-time operating system in wireless sensors networks, *U.P.B. Sci. Bull., Series C*, Vol. 75, Iss. 1, pp. 37-46

Ioan Dumitrache and Ph.D. students

27. Nae, C.A., Dumitrache, I. (2015). Airborne Collision Avoidance System as a Cyber-Physical System." *INCAS Bulletin* 7, no. 4 (2015)
28. Guta, S., Dumitrache, I., Ioannidis, J. (2015). A multi-agent approach for leather processing monitoring and quality control" – *Buletin UPB, seria C, nr.2/2015*, pag.17-30
29. Hanchevici, A.B., Dumitrache, I. (2013). Robustness of fuzzy optimal control for variable communication delays in networked control systems – *UPB, Sci.Bull, Series C*, vol. 75, Iss 4, pg.13-24, 2013

30. Dumitrache, I. and Dogaru, D.I (2015). Smart Grid Overview: Infrastructure, Cyber-Physical Security and Challenges. In Control Systems and Computer Science (CSCS), Proc. 20th International Conference on (pp. 693-699), IEEE
31. Dogaru, D.I., I. Dumitrache (2015). "Cyber-physical systems in healthcare networks." In Proc. E-Health and Bioengineering Conference (EHB), 2015, pp. 1-4. IEEE
32. O. Arsene, I. Dumitrache (2012). Design of Complex Software Systems, Proc. First International Workshop on Cyber Physical Systems – IWOCPS – 2012
33. A.B. Hanchevici, I. Dumitrache (2012). Intelligent PID control for linear SISO systems with Random Communication Delay by using On-line GA, Proceedings of 11-th IFAC/IEEE International Conference on Programmable Devices and Embedded Systems, Brno, 2012
34. A.B. Hanchevici, I. Dumitrache (2012). On Line tuning of PID Controller for linear SISO system with random Communication delay by using Genetic Algorithms, Proc. IFAC Conference of Advances in PID Control – PID 12, Brescia, 28-30 March 2012

Sergiu Stelian Iliescu and Ph.D. students

35. Costianu, D.R, Arghira, N., Făgărășan, I., S. St. Iliescu (2012). A survey on power system protection in smart grids, Scientific Bulletin, University POLITEHNICA Bucharest, Series C: Electrical Engineering, vol. 74, nr. 1, ISSN 1454234x, pp. 139-146
36. D., Costianu, S. St. Iliescu, Nicoleta Arghira, I. Făgărășan, I. Dumitru (2013). Distributed generation influence on smart distribution grids, IFAC Proceedings Volumes (IFAC-PapersOnline), 2 (PART 1), pp. 54-57. ISSN: 14746670, ISBN: 978-390282332-8, DOI: 10.3182/20130522-3-RO-4035.00038

Ion Necoară and Ph.D. students

37. I. Necoara, A. Patrascu (2015). On the behavior of first-order penalty methods for conic convex programming when Lagrange multipliers do not exist, invited paper in session "Large scale optimization II" at Conference on Decision and Control, 2015
38. I. Necoara, A. Patrascu (2015). Random coordinate descent methods for sparse optimization: application to sparse control, invited paper in session "Optimization in Engineering" at International Conference on Control Systems and Computer Science, 2015
39. A. Patrascu, I. Necoara (2014). Coordinate descent methods for ℓ_0 regularized optimization problems, invited paper in session "Coordinate Descent Methods: Sparsity, Nonconvexity and Applications" at SIAM Conference on Optimization, 2014
40. A. Patrascu, I. Necoara (2013). A random coordinate descent algorithm for optimization problems with composite objective function and linear coupled constraints, invited paper in session "Convex optimization in machine learning" at International Conference on Continuous Optimization, 2013
41. I. Necoara, A. Patrascu (2013). A Random Coordinate Descent Algorithm for Large-Scale Sparse Nonconvex Optimization, invited paper in session "Distributed Control and Optimization" at European Control Conference, 2013

Dan Popescu and Ph.D. students

42. L. Ocheană, D. Popescu, Gh. Florea (2012). Risk and Hazard Prevention Using Remote Intervention, U.P.B. Sci. Bull, Series C, Vol. 74, Issue 3, 2012, pp. 25-34; ISSN 1454-234x
43. R. Marcu, D. Popescu (2012). PACS as Legacy System for Healthcare ERP, Proceedings, International Workshop "Fostering Innovation in Healthcare Services", March 14-15, 2012 Brașov, Romania. pp.7-12, Ed. Carol Davila, Bucuresti; ISBN 978-973-708-659-4
44. D. Popescu, R.-I. Cojocaru (2012). Problems in Image Processing of Medical Images, Proceedings, International Workshop "Fostering Innovation in Healthcare Services", March 14-15, 2012 Brașov, Romania. pp.125-130, Ed. Carol Davila, Bucuresti; ISBN 978-973-708-659-4
45. S. Dumitrescu, A. Măciucă, G. Ionescu, D. Popescu (2012). Molecular Biology Database, Proceedings, International Workshop "Fostering Innovation in Healthcare Services", March 14-15, 2012 Brașov, Romania. pp.153-158, Ed. Carol Davila, Bucuresti; ISBN 978-973-708-659-4
46. D. Popescu, R. Dobrescu, M. Strutu (2012). Collaborative Estimation of Environmental Parameters, IMMURO'12 Proceedings of the 11th WSEAS Int. Conf. on Instrumentation, Measurement, Circuits and Systems, and Proceedings of the 12th WSEAS international conference on Robotics, Control and Manufacturing Technology, and Proceedings of the 12th WSEAS international conference on Multimedia Systems & Signal Processing, Rovaniemi, Finland, April 18-20, 2012, also in Recent Researches in Circuits, Systems, Multimedia and Automatic Control, pp. 134-139; ISSN 1790-5117, ISBN 978-1-61804-085-5

47. R. Dobrescu, D. Popescu, G. Florea (2012). Cellular Automata Models for Cooperation in Multirobot Systems, IMMURO'12 Proceedings of the 11th WSEAS international conference on Instrumentation, Measurement, Circuits and Systems, and Proceedings of the 12th WSEAS international conference on Robotics, Control and Manufacturing Technology, and Proceedings of the 12th WSEAS international conference on Multimedia Systems & Signal Processing, Rovaniemi, Finland, April 18-20, 2012, also in Recent Researches in Circuits, Systems, Multimedia and Automatic Control, pp. 124-129; ISSN 1790-5117, ISBN 978-1-61804-085-5
48. L. Ocheana, O. Rohat, D. Popescu, G. Florea (2012). Library of Reusable Algorithms for Internet – Based Diagnose and Control System, Proceedings of INCOM 2012 - 14th IFAC Symposium on Information Control Problems in Manufacturing, Bucharest, May 23-25, 2012, pp. 1407-1412
49. M.I. Struțu, D. Popescu (2012). A Mobile Wireless Sensor Network Simulation Framework for Outdoor Environmental Monitoring Applications, The 1st IEEE International Symposium on Wireless Systems within the Conferences on Intelligent Data Acquisition and Advanced Computing Systems, 20-21 September 2012, Offenburg, Germany, pp. 96-100
50. L. Ocheana, D. Popescu, O. Rohat: Remote Risk and Hazard Control, International Journal of Emerging Trends in Engineering and Development, Issue 3, Vol. 5, Sept. 2013, ISSN 2249-6149, pp. 229-238
51. O. Rohat, D. Popescu (2013). Distributed Execution and Communication in a Process Control Library Application, International Journal of Emerging Trends in Engineering and Development, Issue 3, Vol. 5, Sept. 2013, ISSN 2249-6149, pp. 321-329
52. M. Strutu, D. Caspari, U. Grossmann, D. Popescu (2013). A Smartphone Aided Location Aware Information System for Museums and Galleries, XI. Conference Culture and Computer Science, May 23-24, 2013– Pergamon Museum, Berlin DE, in Kultur und Informatik: „Visual Worlds & Interactive Spaces“, Verlag Werner Hülsbusch, pp. 89-96, ISBN: 978-3-86488-045-2
53. R.T. Ionescu, A.-L. Popescu, D. Popescu, M. Popescu (2014). Local Texton Dissimilarity with Applications on Biomass Classification. VISAPP 2014 - International Conference on Computer Vision Theory and Applications, vol.1, January 5-8, 2014, Lisbon, Portugal, pp 593 – 600
54. G. Burlacu, L.E. Cojocaru, C. Danila, D. Popescu, A.M. Stanescu (2013). : A Digital Business Ecosystem Integrated Approach for Farm Management Information System, 2nd International Conference on Systems and Computer Science (ICSCS), Villeneuve d'Ascq, France, August 26-27, 2013, pp 80 – 85, 978-1-4799-2021-1/13/©2013 IEEE
55. A.-L. Popescu, D. Popescu, R.T. Ionescu (2013). N. Angelescu, R. Cojocaru: Efficient Fractal Method for Texture Classification, 2nd International Conference on Systems and Computer Science (ICSCS), Villeneuve d'Ascq, France, August 26-27, 2013, pp 44 – 49, 978-1-4799-2021-1/13/©2013 IEEE
56. A. Maciuca, G. Stamatescu, D. Popescu, M. Strutu (2013). Integrating Wireless Body and Ambient Sensors into a Hybrid Femtocell Network for Home Monitoring, 2nd International Conference on Systems and Computer Science (ICSCS), Villeneuve d'Ascq, France, August 26-27, 2013, pp 32 – 37, 978-1-4799-2021-1/13/©2013 IEEE
57. M. Strutu, D. Caspari, U. Grossmann, D. Popescu (2013). Pedestrian Smartphone Based Localization for Large Indoor Areas, The 7th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems (IDAACS' 2013), 12-14 September 2013, Berlin, Germany, pp. 450-454
58. A. Maciuca, D. Popescu, M. Strutu, G. Stamatescu (2013). Wireless sensor network based on multilevel femtocells for home monitoring, The 7th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems (IDAACS' 2013), 12-14 September 2013, Berlin, Germany, pp. 499-503
59. G. Stamatescu, D. Popescu, V. Sgarciu (2013). MICARES: Mote Expansion Module for Gas Sensing Applications, The 7th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems (IDAACS' 2013), 12-14 September 2013, Berlin, Germany, pp. 504-508
60. Gh. Florea, R. Dobrescu, D. Popescu, M. Dobrescu (2013). Wearable System for Heat Stress Monitoring in Firefighting Applications, Proceedings of the 2nd International Conference on Information Technology and Computer Networks, Antalya, Turkey, October 8-10, 2013, pp 129-134
61. D. Popescu, M. Strutu, A. Maciuca, G. Stamatescu, R. Dobrescu, Gh. Florea (2013). Monitoring and Localization of Intervention Agents in Special Applications based on BSN, Proceedings of the 2nd Int. Conf. on Information Technology and Computer Networks, Antalya, Turkey, October 8-10, 2013, pp 152-159
62. L. Ocheană, D. Popescu and L. Ferrarini (2013). Efficient method to fault identification, based on grouping components, for industrial processes. Proceedings of the 2013 International Conference on Systems, Control and Informatics, September 28-30, 2013, Venice, Italy, pp 156-163
63. A. Măciucă, D. Popescu (2013). Medical Web Interface for Wireless Sensor Networks, Int. J. Advanced Networking and Applications, 05(02), pp.1867-1872 (2013) ISSN: 0975-0290

64. M.I. Struțu, D. Popescu (2014). Accelerometer based road defects identification system, U.P.B. Sci. Bull, Series C, Vol. 76, Issue 3, 2014, pp. 65-78; ISSN 2286 – 3540
65. G. Stamatescu, D. Popescu, I. Stamatescu (2014). Modeling for Deployment Approach for Intra-Car Wireless Sensor Networks, Proceedings of the 18th International Conference on System Theory, Control and Computing, October 17-19, 2014, Sinaia, ROMANIA, pp 507-511, ISBN 978-1-4799-4602-0 ©2014 IEEE
66. O. Rohat, D. Popescu (2014). Is FBDK suitable for developing and implementing process control optimization problems?. Proceedings of the 18th International Conference on System Theory, Control and Computing, October 17-19, 2014, Sinaia, ROMANIA, pp. 117-122
67. F. Stoican, I. Prodan, M.-I. Strutu, D. Popescu (2014). Geometrical interpretation on the coverage problems for a mobile agent. Proceedings of the 18th International Conference on System Theory, Control and Computing, October 17-19, 2014, Sinaia, ROMANIA, pp 791-796
68. D. Popescu, L. Ichim, R. Fratila, D. Gornea (2014). Robotic System Used for Navigation and Tracking, in Real Time, with the Obstacle Avoidance - The 3rd Int. Conf. on Mechanical Engineering and Materials (ICMEM 2014), Singapore, Nov. 5-6, 2014, Advanced Materials Research Vol. 1077, pp 221-227, Dec. 2014.
69. R. Ionescu, A.-L. Popescu, D. Popescu (2015). Patch Autocorrelation Features for Optical Character Recognition, Proceedings of 10th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISAPP 2015) Berlin, Germany, 10-15 Mars 2015 pp.419-426
70. R. Marcu, D. Popescu, I. Danila (2015). Healthcare Integration based on Cloud Computing, U.P.B. Sci. Bull, Series C, Vol. 77, Issue 2, 2015, pp. 65-78
71. D. Popescu, L. Ichim, R. Fratila, D. Gornea (2015). "Robotic System Used for Navigation and Tracking, in Real Time, with the Obstacle Avoidance", Advanced Materials Research, Vol. 1077, pp. 221-226, 2015
72. G. Stamatescu, I. Stamatescu, D. Popescu, V. Sgarciu (2014). Design and Implementation of an Intelligent Expansion Module for Wireless Gas Sensor Networks, Sensors & Transducers, Vol. 187, Issue 4, April 2014, pp. 10-16
73. M. Strutu, F. Stoican, I. Prodan, D. Popescu (2015). A Geometrical Approach Towards Augmented Space Coverage Management, XIII. Conference Culture and Computer Science May 28-29, 2015 – Bode-Museum, Berlin DE, Kultur und Informatik pp 77-87
74. C. Drăgana, G. Stamatescu, D. Popescu (2015). Binary Consensus-Based Decentralized Algorithm for Event Detection in Large Scale Monitoring Systems, 7th International Conference on Sensors and Signals, Budapest, December 12-14, 2015, in Recent Advances on Systems, Signals, Control, Communications and Computers, pp 155-160
75. L.-S. Dobrescu, D. Popescu, O. Chenaru (2015). . Exploring IEC 61499 for a Distributed Software Architecture in an Onshore Oil Field, 10th Int. Conf. on Dynamical Systems and Control, Budapest, December 12-14, 2015, in Recent Advances on Systems, Signals, Control, Communications and Computers, pp 255-261
76. N.-M. Matei, D. Popescu (2015). Extend IT Services in Process Control Domain for Onshore Oilfields, 10th International Conference on Dynamical Systems and Control, Budapest, December 12-14, 2015, in Recent Advances on Systems, Signals, Control, Communications and Computers, pp. 96-100
77. A. Sumalan, D. Popescu, A. Voicu (2015). Video detection of birds in flight to avoid collisions with wind turbines, Scientific Bulletin of the Electrical Engineering Faculty, ISSN 1843-6188 – Year 15 No.1 (29) pp.31-42, 2015

Dumitru Popescu and Ph.D. students

78. S. Medianu, L. Lefevre D. Popescu, C. Lupu (2014). Simulator for Open Loop Identification of Dynamic Systems, Scientific Bulletin C, UPB, 2014
79. C. Sandu, D. Popescu (2014). Reinforcement Learning for the Control of Blood Pressure in Post Cardiac Surgery Patients, Scientific Bulletin C, UPB, 2014
80. V. Tanasa, A. Chiriac, D. Popescu, D. Syrot (2013). Errors Estimation for the Numerical Control Computations in the Industrial Applications, Proc. Int. Conf. ICSTCC, Sinaia 2013
81. F. Tudor, D. Popescu, P. Borne (2013). Advanced Control for Thermo-energetic Installations, Proc. Int. Conf. ICSTCC, Sinaia, 2013
82. I. Tache, D. Popescu (2015). Fractal Dimention for the Analysis of Vascular Diseasis, Proc. Int. Conf. CSCS 20 Bucharest, 2015
83. C. Sandu, D. Popescu (2015). Blood Pressure Regulation, Proc. Int. Conf. CSCS 20- IAFFA Workshop, Bucharest, 2015

84. C. Sandu, D. Popescu (2015). Polynomial RST Control for Blood Pressure Regulation, Proc. Int. Conf. CSCS 20 Bucharest, 2015
85. C. Dimon, G. Dauphin-Tanguy, D. Popescu, I.A. Tache (2012). Numerical Control for Hydrodynamic Traffic Flow Models, IEEE Proceedings of the 1st International Conference on Systems and Computer Science (ICSCS 2012), Villeneuve d'Ascq, France, 2012
86. S. Medianu, M. Mircioiu, D. Popescu (2012). Supervisory Control for Ethylene Production in Petrochemical Installations, INCOM12, Bucuresti, 2012
87. D. Popescu, C. Dimon, G.D.Tanguy (2014). Modelarea si Controlul Traficului Urban, Abordare Macroscopica, Revista Analele AOSR, 2014

Aurel Mihai Stănescu and Ph.D. students

88. Stanescu, A.M., Repta, D., Moisescu, M.A., Sacala, I.S., Benea, M. (2014). Towards a Generic Enterprise Systems Architecture Based on Cyber-Physical Systems Principles." In Collaborative Systems for Smart Networked Environments, IFIP Advances in Information and Communication Technology Volume 434, 2014, pp 245-252, Springer Berlin Heidelberg, 2014, DOI 10.1007/978-3-662-44745-1_24, Print ISBN 978-3-662-44744-4, Online ISBN 978-3-662-44745-1 Indexat Google Scholar, Springer
89. D. Repta, M.A. Moisescu, I.S. Sacala, A.M. Stanescu, N. Constantin (2014). Generic Architecture for Process Mining in the Context of Cyber Physical Systems, Periodical Applied Mechanics and Materials (Volume 656), p. 569-577, ISSN: 1662-7482, DOI 10.4028/www.scientific.net/AMM.656.569, Google Scholar
90. Repta, D., I.S. Sacala, M.A. Moisescu, A.N. Stanescu (2014). Towards the development of a Cyber-Intelligent Enterprise System Architecture. In Proc. World Congress, vol. 19, no. 1, pp. 827-832. 2014., IFAC World Congress, 2014, Cape Town, South Africa, Conference Editor: Boje, Edward; Xia, Xiaohua ISBN: 978-3-902823-62-5, ISSN: 1474-6670, Indexat: IFAC Papers Online, Google Scholar
91. G. Burlacu, A.M. Stănescu, M.A. Moisescu, I.S. Sacală, L.-E. Cojocaru (2012). Development of a Modeling Framework for Future Internet Enterprise Systems", Proc. 16th International Conference on System Theory, Control and Computing, ICSTCC 2012, 12-14 October 2012, Sinaia, Romania, Paper ID: 178, ISBN 978-606-8348-48-3, Indexed in IEEE Xplore, Scopus
92. Stegaru G., Stănescu A.M., Sacală I.S., Moisescu, M.A. (2012). Dynamic Interoperability Model for Web Service Choreographies, Proc. 6th International Conference on Interoperability for Enterprise Systems and Applications, Proceedings of the I-ESA Conferences, 2012, Vol. 5, Part 2, 81-91, Springer Verlaag Journal, ISBN:978-1-4471-2819-9_8, DOI: 10.1007/978-1-4471-2819-9_8, Indexat: Google Scholar, Springer
93. A.M. Stănescu, M.A.S. Moisescu, I.S. Sacală, G. Burlacu, R.A.Nedelcu, L.-E. Cojocaru (2012). Concurrent innovation-based eEnterprise, Proc. International Conference on Engineering, Technology and Innovation, 18-20 Iunie 2012, Munchen, ISBN: 978-1-4673-2273-7, Identifier: 10.1109/ICE.2012.6297697, Scopus, IEEE Xplore
94. D. Repta, A.M. Stanescu, M.A. Moisescu, I.S. Sacala, M. Benea (2014). A Cyber-Physical Systems Approach to Develop a Generic Enterprise Architecture, 2014 International ICE Conference on Engineering, Technology and Innovation (ICE), 2014, pp. 1-6, IEEE Publisher, DOI 10.1109/ICE.2014.6871546, Scopus
95. Repta, D., Moisescu, M.A., Sacala, I.S., Stanescu, A.M. (2014). Towards the Development of a Cyber-Physical Systems Oriented Enterprise Architecture, Applied Mechanics and Materials Vol. 555 (2014) pp 4816-4821, ISSN: 1662-7482, (2014) Trans Tech Publications, Switzerland DOI 10.4028/www.scientific.net/AMM.555.816, Indexat: Scopus, Google Scholar

Dan Ștefănoiu and Ph.D. students

96. Cimpoesu, E.M., Ciubotaru, B.D., Ștefănoiu D. (2014). Fault Detection and Identification Using Parameter Estimation Techniques (E), Scientific Bulletin of "Politehnica" University of Bucharest, C Series (ISSN: 2286-3540), Vol. 76, No. 2, pp. 3-14, 2014, (Scopus & Elsevier Sciences referenced)
97. Cimpoesu Elena Margareta, Ciubotaru Bogdan, Ștefănoiu Dan (2013). Directional Fault Isolation Procedure for Systems Diagnosis Based on Parameter Estimation Techniques (E), Proc. of the 2nd International Conference on Systems and Computer Science, ICSCS-2013, (ISBN: 978-1-4799-2021-1), IEEE-Explore indexed, Lille, France, pp. 139–144, August 26-27, 2013
98. Mateescu R.E., Ștefănoiu D., Christov N. (2013). Discrete-time MPC with Constraints for Variable Speed Wind Turbines (E), Proc of the 2nd International Conference on Systems and Computer Science, ICSCS-2013 (ISBN: 978-1-4799-2021-1), IEEE-Explore indexed, Lille, France, pp. 127–132, August 26-27, 2013
99. Medianu S.O., Ștefănoiu D. (2013). Study on the Identification of a System with Distributed Parameters Represented by a Heat Exchanger Using Open-Loop Recursive Techniques (E), The 2nd International Conference on Systems and Computer Science, ICSCS-2013 (ISBN: 978-1-4799-2021-1), IEEE-Explore indexed, Lille, France, pp. 26–31, August 26-27, 2013

100. Medianu S.O., Lefèvre L., Stefanoiu D. (2013). Identifiability of Linear Lossless Port-Controlled Hamiltonian Systems (E), Proc. of the 2nd International Conference on Systems and Computer Science, ICSCS-2013 (ISBN: 978-1-4799-2021-1), IEEEExplore indexed, Lille, France, pp. 56–61, August 26-27, 2013
101. Mateescu R.E., Stefanoiu D., Christov N. (2012). Discrete-time Predictive Control for Variable Speed Wind Turbines (E), Proc. The 16th International Conference on System Theory, Control and Computing ICSTCC 2012, Sinaia, Romania, pp. 71-76, October 28-31, 2012
102. Cimpoesu E., Ciubotaru B., Stefanoiu D. (2012). Short Investigation on System Diagnosis Regarding Parameter Estimation (E), Proc. The 1st International Conference on Systems and Computer Science ICSCS 2012, Lille, France, IEEE Explore indexed, paper #64, August 28-31, 2012
103. Mateescu R.E., Pintea A., Stefanoiu D., Christov N. (2012). Discrete-time LQG Control with Disturbance Rejection for Variable Speed Wind Turbines (E), Proc. The 1st International Conference on Systems and Computer Science ICSCS 2012, Lille, France, IEEE Xplore indexed, paper #46, August 28-31, 2012
104. Pintea, A., Mateescu, R.E., Stefanoiu, D., Christov, N. (2012). H^∞ Mixed Sensitivity Approach in The Control of Horizontal Axis Variable Speed Wind Turbines (E), Proc. The 1st International Conference on Systems and Computer Science ICSCS 2012, Lille, France, IEEE Explore indexed, paper #47, August 28-31, 2012
105. Stefanoiu, D., Tudor, F.S. (2012). Input-Output Oriented Analytical Modeling of Regular Horizontal Axis Wind Turbines (E), Proc. The 1st International Conference on Systems and Computer Science ICSCS 2012, Lille, France, IEEE Xplore indexed, paper #41, August 28-31, 2012
106. Tudor, F.S., Popescu, D., Stefanoiu, D. (2012). Self Scheduled H^∞ Control of a Wind Turbine – A Real Time Implementation (E), Proc. The 9th International Conference on Informatics in Control, Automation and Robotics ICINCO 2012, Rome, Italy, SCOPUS indexed, pp. 53-62, July 28-31, 2012
107. Junie, P., Gagescu, R., Dinu, O., Orhei, D., Stefanoiu, D. (2012). Mobile Unit for Wireless Sensor Networks Designed for Precision Agriculture (E), Proc. International Conference on Agricultural Engineering CIGR-Ageng 2012, Valencia, Spain, (Federación de gremios de editors de España, ISBN: 978-84-615-9928-8), Paper #137-C0567, July 8-12, 2012, http://cigr.ageng2012.org/images/fotosq/tabla_137_C0567.pdf
108. Junie P., Dinu O., Eremia C., Stefanoiu D., Petrescu C. (2012). A WSN Based Monitoring System for Oil and Gas Transportation through Pipelines (E), Proc. The 14th IFAC Symposium on Information Control Problems in Manufacturing, INCOM 2012, Bucharest, Romania, (Elsevier Press, ISBN: 978-3-902661-98-2), SCOPUS indexed, DOI: 10.3182/20120523-3-RO-2023.00150, pp. 1796-1801, May 23-25, 2012

Valentin Sgârciu and Ph.D. students

109. G. Stamatescu, V. Sgârciu (2013). Integration of Wireless Sensor Networks with Virtual Instrumentation in a Residential Environment, Scientific Bulletin UPB, Series C, Electrical Engineering and Computer Science, 75(2), pp. 41-52, ISSN 1454-234x, 2013
110. Rancea, I., Sgârciu, V. (2013). Automated code generation system for the syntactic phase of a compiler, UPB Scientific Bulletin, Series C: Electrical Engineering, Volume 75, Issue 1, 2013, Pages 47-58
111. A.C. Enache, V. Sgârciu (2015). A Feature Selection Approach implemented with the Binary Bat Algorithm applied for Intrusion Detection, Proc. IEEE 38th International Conference on Telecommunications and Signal Processing (TSP), Prague, Czech Rep., July 09-11, 2015, Pages: 11-15, Published: 2015, INSPEC Accession Number: 15521585, DOI: 10.1109/TSP.2015.7296215
112. A.C. Enache; M. Ioniță; V. Sgârciu (2015). An immune intelligent approach for security assurance, Published in: Cyber Situational Awareness, Data Analytics and Assessment (CyberSA), 2015 International Conference on, Date of Conference: 8-9 June 2015, Page(s): 1 – 5, INSPEC Accession Number: 15311439, London, DOI: 10.1109/CyberSA.2015.7166116, Publisher: IEEE
113. M. Caraivan, V. Sgârciu, I. Surugiu (2014). Underwater Environment Monitoring Devices Integration with Virtual Scenarios in Remotely Operated Vehicles Simulator, U.P.B. Sci. Bull., Series C, Vol. 76, Iss. 1, 2014 ISSN 2286 – 3540
114. G. Mateescu, V. Sgârciu (2015). Cloud Computing Audit, U.P.B. Sci. Bull., Series C, Vol. 77, Iss. 3, 2015 ISSN 2286-3540
115. M.I. Khadem, V. Sgârciu (2014). Smart Sensor Nodes for Airborne Particulate Concentration Detection, U.P.B. Sci. Bull., Series C, Vol. 76, Iss. 4, 2014 ISSN 2286-3540
116. I. Rancea, V. Sgârciu (2012). Automatic Wrapper System for Semistructured Documents Based on Data Mining, U.P.B. Sci. Bull., Series C, Vol. 74, Iss. 4, 2012 ISSN 1454-234x.
117. I. Halcu; D. Nunes; V. Sgârciu; J. Sá Silva (2015). New mechanisms for privacy in human-in-the-loop cyber-physical systems, Published in: Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS), 2015 IEEE 8th International Conference on (Volume:1), 24-26 Sept. 2015, Page(s): 418 – 423, Print ISBN: 978-1-4673-8359-2, INSPEC Accession Number: 15636779, Warsaw, DOI: 10.1109/IDAACS.2015.7340770, Publisher: IEEE

118. G.Neculoiu; V.Dache; Gr.Stamatescu; V.Sgarciu (2015). Model Predictive Control applied for building thermal control, Published in: 2015 Intl Aegean Conference on Electrical Machines & Power Electronics (ACEMP), 2015 Intl Conference on Optimization of Electrical & Electronic Equipment (OPTIM) & 2015 Intl Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION), 2-4 Sept. 2015, Page(s): 363 – 368, INSPEC Accession Number: 15838006, DOI: 10.1109 / OPTIM. 2015. 7427008, Publisher: IEEE
119. A.Cr.Enache; V.Sgârciu (2015). Anomaly Intrusions Detection Based on Support Vector Machines with an Improved Bat Algorithm, Published in: 2015 20th International Conference on Control Systems and Computer Science, Date of Conference: 27-29 May 2015, Page(s): 317 – 321, ISSN: 2379-0474, Print ISBN: 978-1-4799-1779-2, INSPEC Accession Number: 15397799, Conference Location: Bucharest, DOI: 10.1109/CSCS.2015.12, Publisher: IEEE.
120. G.Neculoiu; V.Dache; Gr.Stamatescu; V.Sgarciu (2015). Buildings modeling in order to implement optimal temperature control, Published in: 2015 7th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 25-27 June 2015, Page(s): S-43 - S-48, Print ISBN: 978-1-4673-6646-5, INSPEC Accession Number: 15556130, Bucharest, DOI: 10.1109/ECAI.2015.7301159, Publisher: IEEE
121. A.C.Enache; V.Sgârciu; A.Petrescu-Niță (2015). Intelligent feature selection method rooted in Binary Bat Algorithm for intrusion detection, Published in: Applied Computational Intelligence and Informatics (SACI), 2015 IEEE 10th Jubilee International Symposium on, 21-23 May 2015, Page(s): 517 – 521, INSPEC Accession Number: 15383499, Timisoara, DOI: 10.1109/SACI.2015.7208259, Publisher: IEEE
122. G.Stamatescu; I.Stamatescu; C.Drăgana; D.Popescu (2015). Large scale heterogeneous monitoring system with decentralized sensor fusion, Published in: Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS), 2015 IEEE 8th International Conference on (Volume:1), 24-26 Sept. 2015, Page(s): 2 – 5, Print ISBN: 978-1-4673-8359-2, INSPEC Accession Number: 15636753, Warsaw, DOI: 10.1109/IDAACS.2015.7340690, Publisher: IEEE.
123. G.Stamatescu; V.Sgârciu (2012). Evaluation of wireless sensor network monitoring for indoor spaces, Published in: Instrumentation & Measurement, Sensor Network and Automation (IMSNA), 2012 International Symposium on (Volume:1), 25-28 Aug. 2012, Page(s): 107 – 111, Print ISBN: 978-1-4673-2465-6, INSPEC Accession Number: 13059093, Sanya, DOI: 10.1109/MSNA.2012.6324525, Publisher: IEEE
124. I.Halcu; G.Stamatescu; I.Stamatescu; V.Sgarciu (2014). An analysis of security and communication constraints of IPv6-based Sensor Networks, Published in: Electronics, Computers and Artificial Intelligence (ECAI), 2014 6th International Conference on, 23-25 Oct. 2014, Page(s): 55 – 60, Print ISBN: 978-1-4799-5478-0, INSPEC Accession Number: 15076406, Bucharest, DOI: 10.1109/ECAI.2014.7090224, Publisher: IEEE
125. M.C.Caraivan; V.Dache; V.Sgarciu (2013). Optimal location for underwater data collection sensor network nodes creating multi-purpose “Safe-Nets” around offshore exploration areas, Published in: System Theory, Control and Computing (ICSTCC), 2013 17th International Conference, 11-13 Oct. 2013, Page(s): 601 – 606, Print ISBN: 978-1-4799-2227-7, INSPEC Accession Number: 13978376, Sinaia, DOI: 10.1109/ICSTCC.2013.6689025, Publisher: IEEE
126. I.Halcu; G.Stamatescu; V.Sgârciu (2015). Enabling security on 6LoWPAN / IPv6 Wireless Sensor Networks, Published in: Electronics, Computers and Artificial Intelligence (ECAI), 2015 7th International Conference on, 25-27 June 2015, Page(s): SSS-29 - SSS-32, Print ISBN: 978-1-4673-6646-5, INSPEC Accession Number: 15556161, Bucharest, DOI: 10.1109/ECAI.2015.7301201, Publisher: IEEE
127. AC Enache, V Sgarciu (2014). Enhanced Intrusion Detection System Based on Bat Algorithm-support Vector Machine, SECRIPT, 2014
128. M. I.Khadem, G. Stamatescu, V. Sgarciu (2012). Wireless Measurement Node for Dust Sensor Integration, Proc. of SENSORCOMM 2012: The Sixth International Conference on Sensor Technologies and Applications, 2012
129. M.C.Caraivan, V.Dache, V.Sgarciu (2013). Simulation scenarios for deploying underwater safe-net sensor networks using ROVs, Bucharest: Proc. IEEE The 19th International Conference on Control Systems and Computer Science, 2013, Pages: 419-424
130. C.M.Caraivan, V.Dache, V.Sgârciu (2012). Deploying Underwater Sensors Safe-Net in Offshore Drilling Operations Surrounding Areas Using Remote Operated Vehicles, Proceedings of the 14th IFAC Symposium on Information Control Problems in Manufacturing Bucharest, Romania, May 23-25, 2012, pp 871-876, IFAC Proc. Vol., DOI: 10.3182/20120523-3-RO-2023.00404
131. A. Cernian, A. Olteanu, G. Mateescu, M. Vladescu, Gr. Stamatescu, A. Ropot, C. Plesca, M. Togan, V. Sgarciu, D. Carstoiu, D. Saru, M. Anghel, A. Oana (2012). The design and implementation of an experimental model for secure management of personal data based on electronic identity card and PKI infrastructure, IFAC Proceedings Volumes , Volume 45, Issue 6, 23–25 May 2012, Pages 1697-1701, 14th IFAC Symposium on Information Control Problems in Manufacturing

- 132.V.Dache, M.C.Caraivan, V.Sgârciu (2012). Advanced Building Energy Management Systems, Optimize power consumption using IP Base Control Improved Power Grid Stability, IFAC Proceedings Volumes, Volume 45, Issue 6, 23–25 May 2012, Pages 764-768, 14th IFAC Symposium on Information Control Problems in Manufacturing
- 133.Mateescu G., Sgârciu V. (2014). Cloud Computing Audit – Scientific Bulletin UPB, ID 2801), 2014
- 134.Vladescu M., Sgârciu V. - Maintaining high level information security in enterprises using event correlation – Scientific Bulletin UPB, ID 2810, 2014
- 135.A.Olteanu, A.Cernian, V.Sgarciu (2012). The Design and Validation of an Experimental Model for the Secure and Efficient Medical Services based on PKI Infrastructures and Smart-Cards, INCOM '12, Proceedings, 14th IFAC Symposium Information Control Problems in Manufacturing, Bucharest, 23-25 May, 2012, IFAC Proceedings Volumes (IFAC Papers Online, 14 (PART 1) , pp. 1666-1671.
- 136.G. Sterpu, G. Stamatescu, V. Sgarciu, Sistem Inteligent de monitorizare a condiției mașinilor bazat pe analiza vibrațiilor, Conferința națională NIDays 2013, 9 Octombrie 2013, București.
- 137.Caraivan M.C., Dache, V., Sgarciu, V. (2013). Common Framework Model for Multi-purpose Underwater Data Collection Devices Deployed with Remotely Operated Vehicles, The 7th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications 12-14 September 2013, Berlin, Germany

Authors in the doctorate domain Computers and Information Technology

Valentin Cristea and Ph.D. students

- 138.Mihaela-Catalina Nita, Florin Pop, Mariana Mocanu, Valentin Cristea (2015). FIM-SIM: Fault-Injection Module for CloudSim based on Statistical Distributions, Journal of Telecommunications and Information Technology, ISSN: 1509-4553
- 139.Catalin Negru, Florin Pop, Ciprian Dobre, Valentin Cristea (2013). Performance analysis of Lustre file systems based on benchmarking for a cluster system. In UPB Scientific Bulletin, Series C, Politehnica Press, vol. 75, no. 1, ISSN 1454-234X, Splaiul Independenței 313, sector 6, Cod 060042, București, Romania, pp. 27--36, March 2013
- 140.Mocanu Bogdan, Florin Pop, Alexandra Mihaita Mocanu, Ciprian Dobre, Valentin Cristea (2015). SPIDER: A Bio-inspired Structured Peer-to-Peer Overlay for Data Dissemination. In 2015 10th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC), pp. 291-295. IEEE, 2015
- 141.Mihaita Alexandra, Ciprian Dobre, Bogdan Mocanu, Florin Pop, and Valentin Cristea (2015). Analysis of Security Approaches for Vehicular Ad-Hoc Networks. In 2015 10th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC), pp. 304-309. IEEE, 2015
- 142.Negru, Catalin, Florin Pop, Ovidiu Cristian Marcu, Mariana Mocanu, and Valentin Cristea (2015). Budget constrained selection of cloud storage services for advanced processing in datacenters. In RoEduNet International Conference-Networking in Education and Research (RoEduNet NER), 2015 14th, pp. 158-162. IEEE, 2015
- 143.Ifrim, Claudia, Florin Pop, Mariana Mocanu, and Valentin Cristea (2015). AgileDBLP: A Search-Based Mobile Application for Structured Digital Libraries. In Semantic Keyword-based Search on Structured Data Sources, pp. 88-93. Springer International Publishing, 2015
- 144.Mocanu, Mariana, Valentin Cristea, Catalin Negru, Florin Pop, Vlad Ciobanu, Ciprian Dobre (2015). Cloud-Based Architecture for Farm Management. In Control Systems and Computer Science (CSCS), 2015 20th International Conference on, pp. 814-819. IEEE, 2015
- 145.Nicolae, Andrei Alexandru, Catalin Negru, Florin Pop, Mariana Mocanu, Valentin Cristea (2014). "Hybrid Algorithm for Workflow Scheduling in Cloud-Based Cyberinfrastructures. In Network-Based Information Systems (NBIS), 2014 17th International Conference on, pp. 221-228. IEEE, 2014
- 146.Pop, F., Ciolofan, S., Negru, C., Mocanu, M., & Cristea, V. (2014). A Bio-Inspired Prediction Method for Water Quality in a Cyber-Infrastructure Architecture. 2014 Eighth International Conference on Complex, Intelligent and Software Intensive Systems, 367–372
- 147.Catalin Negru, Florin Pop, Valentin Cristea, Nik Bessis, Jing Li (2013). Energy Efficient Cloud Storage Service: Key Issues and Challenges. In 2013 Fourth International Conference on Emerging Intelligent Data and Web Technologies. IEEE Computer Society, ISBN 978-1-4799-2141-6, Washington, DC, USA, pp. 763--766, September 2013
- 148.Florin Pop, Maria-Alexandra Lovin, Catalin Negru, Valentin Cristea, Nik Bessis, and Stelios Sotiriadis (2012). Grid Configuration and Application Monitoring in GridGain. In Proceedings of the 2012 Fourth International Conference on Intelligent Networking and Collaborative Systems (INCOS '12). IEEE Computer Society, Washington, DC, USA, 155-161

149. Vlad Ciobanu, Decebal Popescu, Ciprian Dobre, Florin Pop, and Valentin Cristea (2012). The EU-Services Directive: An E-framework to Optimize Public Administration. In Proceedings of the 2012 Third International Conference on Emerging Intelligent Data and Web Technologies (EIDWT '12). IEEE Computer Society, Washington, DC, USA, 336-341
150. Radu-Ioan Ciobanu, Radu-Corneliu Marin, Ciprian Dobre, Valentin Cristea, Constandinos X. Mavromoustakis, George Mastorakis (2015). Opportunistic Dissemination using Context-Based Data Aggregation over Interest Spaces, in Proc. of IEEE International Conference on Communications (ICC 2015), London, UK, pp. 1219-1225, June 2015.
151. Mihai Ciocan, Ciprian Dobre, Valentin Cristea, Constandinos X. Mavromoustakis, George Mastorakis (2014). Analysis of Vehicular Storage and Dissemination Services based on Floating Content, in Proc. of International Workshop on Enhanced Living Environments (ELEMENT 2014), 6th International Conference on Mobile Networks and Management (MONAMI 2014), Wuerzburg, Germany, pp. 387-400, September 2014
152. R.-I. Ciobanu, C. Dobre, V. Cristea (2013). SPRINT: Social Prediction-Based Opportunistic Routing, in Proc. of 7th IEEE WoWMoM Workshop on Autonomic and Opportunistic Communications (IEEE AOC 2013), IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM 2013), Madrid, Spain, pp. 1-7, (DOI: 10.1109/WoWMoM.2013.6583442) May 2013
153. R. I. Ciobanu, C. Dobre, V. Cristea, D. Al-Jumeily (2012). Social Aspects for Opportunistic Communication, in Proc. of 11th International Symposium on Parallel and Distributed Computing (ISPD 2012), Munich, Germany, pp. 251-258, 2012. BDI: IEEE Xplore Digital Library
154. Nitu, R., Apostol, E., Cristea, V. (2014, September). An improved GPU MapReduce framework for data intensive applications. In Intelligent Computer Communication and Processing (ICCP), 2014 IEEE International Conference on (pp. 355-362). IEEE
155. Rotariu, Marian-Cristian, Apostol, Elena, Cristea, Valentin (2013). High-Level GPU Multi-Purpose Profiler. In The Third International Workshop on the Middleware of Large Scale Distributed Systems (MiDiS 2013), in conjunction with the 3PGCIC-2013 conference, September 2013
156. Apostol, Elena, Cristea, Valentin (2013). Virtual Resource Management for Data Intensive Applications in Cloud Infrastructures. In Buletin Stiintific UPB, 2013
157. Elena Apostol, Alexandru Gorunescu, Valentin Cristea (2012). Advanced Service Management and Visualization for Multiple-Cloud Environments, eidwt, pp.326-329, 2012 Third International Conference on Emerging Intelligent Data and Web Technologies, 2012 DOI Bookmark: <http://doi.ieeecomputersociety.org/10.1109/EIDWT.2012.60> [IEEE Xplore, <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?reload=true&arnumber=6354765>]
158. Davidoaia, B., Leordeanu, C., Cristea, V. (2014, September). Anonymity of web service invocations. In Intelligent Computer Communication and Processing (ICCP), 2014 IEEE International Conference on (pp. 369-376). IEEE
159. Catalin Leordeanu, Silviu Grigore, Octavian Moraru, Valentin Cristea (2014). Policy-based Cloud Management through Resource Usage Prediction, First International Workshop, ARMS-CC 2014, held in Conjunction with ACM Symposium on Principles of Distributed Computing, PODC 2014, 978-3-319-13463-5, Springer
160. Musca, C., Musca, I., Leordeanu, C., Cristea, V. (2013). Secure access to cloud services. In The Third International Workshop on the Middleware of Large Scale Distributed Systems (MiDiS 2013), in conjunction with the 3PGCIC-2013 conference. September 2013
161. Catalin Leordeanu, Vlad Calina, Valentin Cristea (2012) Scalable Failure Management for Peer-to-Peer Networks. In Proc. of Sixth International Conference on Complex, Intelligent and Software Intensive Systems (CISIS), Palermo, Italy, pp. 767 - 774, July 2012. [IEEE Xplore, http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6245773&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6245773]

Ciprian Dobre and Ph.D. students

162. Valeriu-Daniel Stanciu, Ciprian Dobre, Valentin Cristea (2015). Context-Based Service For Intelligent Public Transportation Systems, in International Journal of Adaptive and Innovative Systems (ISSN: 1740-2107), Vol. 2, Issue 2, pg. 15, 2015
163. G. Suci, V. Suci, C. Dobre, C. Chilipirea (2015). Tele-Monitoring System for Water and Underwater Environments using Cloud and Big Data Systems, in Proc. of 20th International Conference on Control Systems and Computer Science (CSCS20), Bucharest, Romania, pp. 809-813, May 2015. (indexare IEEE Xplore Digital Library)

164. C. Chilipirea, A.-C. Petre, C. Dobre, F. Pop, G. Suci (2015). A Simulator for Analysis of Opportunistic Routing Algorithms, in Proc. of 14th International Symposium on Parallel and Distributed Computing (ISPDC 2015), Limassol, Cyprus, pp. 27-36, June 2015. (indexare IEEE Xplore Digital Library)
165. B. Mocanu, F. Pop, A. Mihaita (Mocanu), C. Dobre, V. Cristea (2015). SPIDER: A Bio-Inspired Structured Peer-to-Peer Overlay for Data Dissemination, in Proc. of 3PGCIC, 2015 10th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC), Krakow, Poland, pp. 291-295, Nov. 2015. (indexare IEEE Xplore Digital Library)
166. A. Mihaita (Mocanu), C. Dobre, B. Mocanu, F. Pop, V. Cristea (2015). Analysis of security approaches for vehicular ad-hoc networks, in Proc. of 3PGCIC, 2015 10th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC), Krakow, Poland, pp. 304-309, Nov. 2015. (indexare IEEE Xplore Digital Library)
167. C. Chilipirea, A.-C. Petre, C. Dobre, M. van Steen (2015). Filters for Wi-Fi Generated Crowd Movement Data, in Proc. of 3PGCIC, 2015 10th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC), Krakow, Poland, pp. 285-290, Nov. 2015. (indexare IEEE Xplore Digital Library)
168. C. Chilipirea, A.-C. Petre, C. Dobre, M. van Steen (2015). Proximity Graphs for Crowd Movement Sensors, in Proc. of 3PGCIC, 2015 10th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC), Krakow, Poland, pp. 310-314, Nov. 2015. (indexare IEEE Xplore Digital Library)
169. N.-V. Ciobanu, D.-G. Comaneci, C. Dobre, C. X. Mavromoustakis, G. Mastorakis (2014). OpenMobs: Mobile Broadband Internet Connection Sharing, in Proc. of 6th International Conference on Mobile Networks and Management (MONAMI 2014), Wuerzburg, Germany, pp. 244-258, September 2014. (indexare Springer Link, Lecture Notes in Computer Science)
170. R.-C. Marin, C. Dobre (2013). Reaching for the clouds: contextually enhancing smartphones for energy efficiency, in Proc. of 2nd ACM workshop on High performance mobile opportunistic systems (HP-MOSys'13), 16th ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems (ACM MSWIM 2013), Barcelona, Spain, pp. 31-37, November 2013. (DOI: 10.1145/2507908.2507912) (indexare ACM Digital Library)
171. D.G. Reina, R.-I. Ciobanu, S.M. Toral, C. Dobre, F. Barrero (2013). Analysis of Probabilistic Forwarding in Opportunistic Networks Using the Percolation Theory. In 6th International Conference Developments in eSystems Engineering (DeSE 2013). IEEE, Abu Dhabi, UAE, pp. 51 - 56, December 2013. (DOI: 10.1109/DeSE.2013.18) (indexare IEEE Xplore Digital Library)
172. R.-I. Ciobanu, C. Dobre, V. Cristea @013). SPRINT: Social Prediction-Based Opportunistic Routing, in Proc. of 7th IEEE WoWMoM Workshop on Autonomic and Opportunistic Communications (IEEE AOC 2013), IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM 2013), Madrid, Spain, pp. 1-7, (DOI: 10.1109/WoWMoM.2013.6583442) May 2013. (indexare IEEE Xplore Digital Library)
173. R.I. Ciobanu, C. Dobre, V. Cristea (2012). Social aspects to support opportunistic networks in an academic environment, in Proc. of 11th international conference on Ad-hoc, Mobile, and Wireless Networks (ADHOC-NOW'12), Xiang-Yang Li, Symeon Papavassiliou, and Stefan Ruehrup (Eds.). Springer-Verlag, Berlin, Heidelberg, pp. 69-82, 2012. (ACM, INSPEC, published by ACM and Springer)
174. V. Ciobanu, D. Popescu, C. Dobre, F. Pop, V. Cristea (2012). The EU-Services Directive: An e-Framework to optimize public administration, in Proc. of Third International Conference on Emerging Intelligent Data and Web Technologies (EIDWT-2012), Bucharest, Romania, pp. 336-341, September 2012. (IEEE CNF, INSPEC, published by IEEE Computer Society)
175. R.-C. Marin, C. Dobre, F. Xhafa (2012). Exploring Predictability in Mobile Interaction, in Proc. of Third International Conference on Emerging Intelligent Data and Web Technologies (EIDWT-2012), Bucharest, Romania, pp. 133-139, September 2012. (IEEE CNF, INSPEC, published by IEEE Computer Society) [BEST PAPER AWARD]
176. R.I. Ciobanu, C. Dobre (2012). Predicting encounters in opportunistic networks, in Proc. of 1st ACM workshop on High performance mobile opportunistic systems (HP-MOSys '12), 15th ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems (ACM MSWIM 2012), Paphos, Cyprus Island, pp. 9-14, October 2012. (IEEE CNF, INSPEC, published by IEEE Computer Society)
177. R.I. Ciobanu, C. Dobre, V. Cristea, D. Al-Jumeily (2012). Social Aspects for Opportunistic Communication, in Proc. of 11th International Symposium on Parallel and Distributed Computing (ISPDC 2012), Munich, Germany, pp. 251-258, 2012. (IEEE CNF, INSPEC, published by IEEE Computer Society)
178. D. Comaneci, S. Stegaru, C. Dobre (2012). Wireless Router as a Physical Access Control System (WRPACS), in Proc. of 17th Annual Scientific Conference on Web Technology, New Media, Communications and Telematics Theory, Methods, Tools and Applications (EUROMEDIA'2012), Bucharest, Romania, pp. 78-84, April 2012. (published by Eurosis)

Adina Magda Florea and Ph.D. students

179. Andrei Ciortea, Olivier Boissier, Antoine Zimmermann, Adina Magda Florea (2013). Reconsidering the Social Web of Things, Position Paper, Proceedings of 4th International Workshop on the Web of Things (WoT 2013) in conjunction with the 2013 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp 2013), Pag. 1535-1544, New York, SUA, 2013, DOI: 10.1145 / 2,494,091.2497587, ISBN: 978-1-4503-2215-7
180. Cristian Gratie, Adina Magda Florea (2012). SCC-recursiveness revisited, Proceedings of the 9th International Workshop on Argumentation in Multi-Agent Systems (ArgMAS 2012), Valencia, Spain, 2012
181. Cristian Gratie, Adina Magda Florea, John-Jules Meyer (2012). Full hybrid μ -calculus, its bisimulation and application to argumentation, Proceedings of the 13th International Workshop on Computational Logic in Multi-Agent Systems (CLIMA 2012), Lecture Notes in Artificial Intelligence, Springer-Verlag, Vol. 7486, Pag. 181–194, 2012, DOI: 10.1007 / 978-3-642-32897-8_13, ISBN: 978-3-642-32897-8
182. Q. D. Pham, Adina M. Florea (2012). An approach for determining learning styles in learning management systems based on learners' behaviour, Proceedings of the 1st International Conference on Education and Management Innovation, Vol. 30, Pag. 171-177, Singapore, 2012
183. Cristian Gratie, Adina Magda Florea (2012). Argumentation Semantics for Agents, European Workshop on Multi-Agent Systems (EUMAS 2011), Springer, Pag. 129-144, Maastricht, The Netherlands, 2012, DOI: 10.1007 / 978-3-642-34799-3_9, ISBN: 978-3-642-34799-3
184. A. Ismail, A. M. Florea (2014). Solving Experiment Reproducibility in Ambient Intelligence, UPB. Scientific Bulletin, Series C, Vol. 76, Iss. 1, 2014, pp. 17-30
185. A. Olaru, A.M. Florea, A. El Fallah Seghrouchni (2012). An Agent-Oriented Approach for Ambient Intelligence, Scientific Bulletin of the University Politehnica of Bucharest, Series C - Electrical Engineering and Computer Science, Vol. 74, Nr. 3, 2012, pp.45—58

Florica Moldoveanu and Ph.D. students

186. Butean, B. Troancă, O. Bălan, F. Moldoveanu, A. Moldoveanu, D. Chiriță (2015). Applications on Touchscreen Mobile Devices for Visually Impaired People, Romanian Journal of Human-Computer Interaction, vol. 8, no. 2, 2015, pp. 121-138, Copernicus.
187. Alabbasi Hesham Adnan, Moldoveanu Florica, Moldoveanu Alin (2015). Real Time Facial Emotion Recognition using Kinect V2 Sensor, IOSR Journal of Computer Engineering (IOSR-JCE). vol. 17, no. 3, pp. 61--68, May 2015, e-ISSN:2278-0661, p-ISSN: 2278-8727, Google Scholar
188. Alabbasi Hesham Adnan, Moldoveanu Florica, Moldoveanu Alin, Shhedi Zaid (2015). Facial Emotion Expression Recognition With brain activities Using Kinect Sensor V2, In International Research Journal of Engineering and Technology (IRJET), May 2015, vol. 2, no. 2, pp. 421-428, e-ISSN: 2395 - 0056, p-ISSN: 2395-0072, Google Scholar
189. Balan O., Moldoveanu A., Moldoveanu F. (2015). Navigational Audio Games: An Effective Approach Towards Improving Spatial Contextual Learning for Blind People, The International Journal on Disability and Human Development, Vol 14, iss. 2 , pp : 109–118, 2015, ISSN: 21910367, 1565012X, Elsevier – SCOPUS, Copernicus, Google Scholar
190. Bălan O., Moldoveanu A., Moldoveanu F., Butean A. (2015). Developing a navigational 3D audio game with hierarchical levels of difficulty for the visually impaired players, The 12th edition of Romanian Human-Computer Interaction Conference 2015, ISSN 2344-1690, 24-25 September 2015, pp 49-55, Bucharest, 2015, Google Scholar
191. Bălan O., Moldoveanu A., Moldoveanu F., Butean A. (2-15). Spatial Sound Based System For Improving Orientation And Mobility Skills In The Absence Of Sight, Scientific Bulletin by University Politehnica of Bucharest, Vol 77, Nr. 3, ISSN 2286-3540, pp 43-54, 2015, Scopus, Inspec, B+
192. Bălan Oana, Moldoveanu Alin, Moldoveanu Florica (2015). Spatial Auditory Representation in the Case of the Visually Impaired People. In Journal of Information Systems & Operations Management. vol. 9, no. 1, pp. 1-11, May 2015, ISSN ISSN: 1843-4711, Copernicus
193. Butean A., Troancă B, Bălan O., Moldoveanu F., Moldoveanu A. (2015). Aplicații pentru dispozitivele mobile cu ecran tactil destinate persoanelor cu deficiențe de vedere, Revista Română de Interacțiune Om - Calculator, MATRIX ROM, ISSN 1843-4460, pp 121 – 138, 2015, Copernicus
194. Francu, Mihai and Moldoveanu, Florica (2015). Cloth Simulation Using Soft Constraint". In Journal of WSCG . Vaclav Skala - Union Agency Na Mazinach 9 CZ 322 00 Plzen, Czech Republic, vol. 23, no. 1, ISSN ISSN 1213-6972, pp. 9-18, 2015, ISBN 978-80-86943-69-5, Scopus
195. Frâncu, M., Moldoveanu, F. (2015). Virtual Try On Systems for Clothes: Issues and Solutions" – Scientific Bulletin of UPB, Series C, Vol. 77, Iss. 4, 2015, pages 31- 44, B+, Scopus, Inspec.

196. Harrison, P. A., Dunford, R., Savin, C., Rounsevell, M. D. A., Holman, I. P., Kebede, A. S., Stuch, B. (2015). Cross-sectoral impacts of climate change and socio-economic change for multiple European land-and water-based sectors, *Climatic Change (An Interdisciplinary, International Journal Devoted to the Description, Causes and Implications of Climatic Change Impact Factor 3.344)*, Springer, February 2015, Volume 128, Issue 3, pp 279-292
197. Iordache, Raluca and Moldoveanu, Florica (2015). An end to end Web Service Composition based on QOS Preferences. In *Scientific Bulletin of UPB, Series C (UPB)*. UPB, vol. 77, no. 3, ISSN 2286-3540, pp. 3-16, 2015, Scopus, Inspec, B+
198. Lucian Petrescu, Florica Moldoveanu, Anca Morar, Victor Asavei, Alin Moldoveanu (2015). Guarded order independent transparency, *U.P.B. Sci. Bull., Series C*, Vol. 77, Iss. 1, pp: 3-14, 2015, ISSN 2286 – 3540, Scopus, B+
199. Shudayfat EA, Moldoveanu A., Moldoveanu F., Gradinaru A., Dascalu M.I. (2015). 3D Game-Like Virtual Environment for Chemistry Learning. *U.P.B. Sci. Bull., Series C*, Vol. 77, Iss. 1, pp: 15-26, ISSN 2286 – 3540, 2015, Scopus, B+
200. Stimbeanu P, Butean A., Moldoveanu F. (2015). An approach for detecting ID frauds in a traditional voting system using a smartphone stand, the 12th edition of Romanian Human-Computer Interaction Conference 2015, ISSN 2344-1690, 24-25 September 2015, pp 101-105, Bucharest, 2015, Google Scholar
201. Balan O., Moldoveanu A., Moldoveanu F., Ferche O.M. (2014). A short classification of audio games in the context of improving interaction and accessibility for visually impaired people, *Revista Romana de Interactiune Om-Calculator*, Vol.7, Nr.3, ISSN 1843-4460, pp. 81-95. 2014, Google Scholar, Copernicus
202. Bălan O., Moldoveanu A., Moldoveanu F., Morar A. (2013). Assistive IT for Visually Impaired People. *Journal of Information Systems & Operations Management*, Vol.7 No.2- 2013, pp. 391-404, ISSN 1843-4711, 2013, Copernicus
203. Cristescu Sorin-Alexandru, Moldoveanu Florica (2013). An agent-oriented and service-oriented architecture in medicine. In *Scientific Bulletin of UPB, Series C*. vol. 75, no. 1, ISSN 2286-3540, pp. 3-16, 2013, Scopus, Inspec, B+
204. Egner A., Moldoveanu F., Goga N., Moldoveanu A., Asavei V., Morar A. (2013). Enhanced Communication Protocol For ISO-IEEE 11073-20601. *Scientific Bulletin of UPB, Series C*, Vol. 75, Iss. 2, pp. 3-16. ISSN 2286 – 3540. 2013, Scopus, Inspec, B+
205. Georgescu, Octavian-Florian, Moldoveanu, Florica (2013). An abstract view on pattern recognition based on correlation. In *Scientific Bulletin of UPB, Series C*. UPB, vol. 75, no. 2, ISSN 2286-3540, pp. 53 - 66, 2013, Scopus, Inspec, B+
206. Morar A., Moldoveanu F., Moldoveanu A., Asavei V., Egner A. (2013). CT Image Processing In Hip Arthroplasty. *The Scientific Bulletin of UPB, Series C Electrical Engineering and Computer Science*, vol. 75(3), pp. 3-14, ISSN: 2286-3540. 2013, Scopus, Inspec, B+
207. Alexandra Voinea, Alin Moldoveanu, Florica Moldoveanu, Oana Ferche (2015). Motion Detection and Rendering for Upper Limb Post-Stroke Rehabilitation, *The 5th IEEE International Conference on E-Health and Bioengineering - EHB 2015*, Iasi 19-21 Nov. 2015, pp. 1-4 , Print ISBN:978-1-4673-7544-3, INSPEC
208. Bălan O., Butean A., Moldoveanu A., Moldoveanu F. (2015). Auditory and Haptic Spatial Cognitive Representation in the Case of the Visually Impaired People, *The 22nd International Congress on Sound and Vibration*, Florence, Italy, 12-16 July 2015, ISSN 2329-3675, ISBN 978-88-88942-48-3, Section T10.RS03, PID 1047
209. Butean A., Bălan O., Moldoveanu A., Moldoveanu F. (2015). ICT Evolutions Supporting The Development Of Assistive Systems For Visually Impaired People, *WPA Congress -The Palace of Parliament*, Bucharest, 24-26 June 2015
210. Butean A., Bălan O., Moldoveanu A., Moldoveanu F. (2015). Touchscreen Based Audio and Vibro-Tactile Applications as Assistive Systems for People Suffering from Eye Disorders, *The 22nd International Congress on Sound and Vibration*, Florence, Italy, 12-16 July 2015, ISSN 2329-3675, ISBN 978-88-88942-48-3, Section T10.SS03, PID 1237, 2015
211. Ferche Oana, Moldoveanu Alin, Moldoveanu Florica, Voinea Alexandra (2015). Recent Evolutions in Virtual Reality –Based Solutions for Neuro-Motor Rehabilitation . In *8th International Conference on Speech Technology and Human-Computer Dialogue*. October 2015
212. Ferche Oana, Moldoveanu Alin, Moldoveanu Florica, Asavei, Victor (2015). A Survey of Motion Tracking in Automated Neuromotor Rehabilitation after Stroke. In *WPA 2015 Bucharest International Congress*
213. Ferche Oana, Moldoveanu Alin, Moldoveanu Florica (2015). Brain Computer Interfaces for Neuromotor Recovery –Achievements, Issues, Trends. In *WPA 2015 Bucharest International Congress*

214. Hesham Adnan Alabbasi, Alexandru Grădinaru, Florica Moldoveanu, Alin Moldoveanu (2015). Human Motion Tracking & Evaluation using Kinect V2 Sensor, The 5th IEEE International Conference on E-Health and Bioengineering - EHB 2015, Iasi 19-21 Nov. 2015, pp. 1-4, Print ISBN: 978-1-4673-7544-3, INSPEC.
215. Lucian Petrescu, Victor Asavei, Florica Moldoveanu, Alin Moldoveanu (2015). Virtual Deferred Rendering, 20th International Conference on Control Systems and Computer Science (CSCS), Bucharest May 2015, pages: 373-378, ISBN: 978-1-4799-1779-2, SCOPUS, INSPEC
216. Oana Bălan, Alin Moldoveanu, Florica Moldoveanu (2015). 3D Audio and Haptic Interfaces for Training the Spatial Acoustic Resolution in Virtual Auditory Environments, The 21st International Conference on Auditory Display, Graz, Austria, 2015, Google Scholar
217. Oana Bălan, Alin Moldoveanu, Florica Moldoveanu (2015). Binaural Sound Analysis and Spatial Localization for the Visually Impaired People, 9th International Conference on Interfaces and Human Computer Interaction, Las Palmas de Gran Canaria, Spain, 9th International Conference on Interfaces and Human Computer Interaction, Las Palmas de Gran Canaria, Spain, 2015, Google Scholar
218. Oana Ferche, Alin Moldoveanu, Delia Cinteza, Corneliu Toader, Florica Moldoveanu, Alexandra Voinea, Cristian Taslitchi (2015). From Neuromotor Command to Feedback: a Survey of Techniques for Rehabilitation through Altered Perception, The 5th IEEE International Conference on E-Health and Bioengineering - EHB 2015, Iasi 19-21 Nov. 2015, pp. 1-4, Print ISBN: 978-1-4673-7544-3, INSPEC
219. Shhedi Zaid, Moldoveanu Alin, Moldoveanu Florica (2015). Traditional and ICT Solutions for Preventing the Hospital Acquired Infection, The 20th International Conference on Control Systems and Computer Science (CSCS), IEEE, Bucharest May 2015, pp. 867--873, ISBN 978-1-4799-1779-2, SCOPUS, INSPEC
220. Voinea, A. Moldoveanu, F. Moldoveanu (2015). 3D Visualization in IT Systems Used for Post Stroke Recovery: Rehabilitation Based on Virtual Reality", CSCS20: The 20th International Conference on Control Systems and Computer Science, 27-29 May 2015, Bucharest, Romania, DOI: 10.1109/CSCS.2015.123, pp 856-862, ISBN: 978-1-4799-1779-2, SCOPUS, INSPEC
221. Zaid Shhedi, Alin Moldoveanu, Florica Moldoveanu (2015). Real-Time Hand Hygiene Monitoring System for HAI Prevention, The 5th IEEE International Conference on E-Health and Bioengineering - EHB 2015, Iasi 19-21 Nov. 2015, pp. 1-4, Print ISBN: 978-1-4673-7544-3, Inspecc
222. Alabbasi Hesham Adnan, Moldoveanu Florica (2014). Human Face Detection from Images, Based on Skin Color. In ICSTCC 2014 - 18th International Conference On System Theory, Control and Computing. October 2014, 532 - 537, SCOPUS, INSPEC
223. Balan O, Moldoveanu A, Moldoveanu F, Dascalu M.I. (2014). Audio Games - A Novel Approach Towards Effective Learning in the Case of Visually-Impaired People, Proceedings of the ICERI Conference, Seville, Spain, November 17-19, 2014, pp. 6542-6548, ISBN 978-84-617-2484-0
224. Balan O., Moldoveanu A., Moldoveanu F. (2014). Comparative Study of the Main Virtual Dressing Room Applications. ROCHI National Conference on Computer-Human Interaction, Constanta, September 4-5, 2014. pp. 29-34. ISSN 2344-1690, Google Scholar
225. Balan O., Moldoveanu A., Moldoveanu F., Dascalu M.I. (2014). Navigational 3D Audio-Based Game Training towards Rich Auditory Spatial Representation of the Environment, The 18th International Conference on System Theory, Control and Computing (ICSTCC), 2014, 17-19 Oct. 2014, Sinaia, Romania. pp. 682 - 687. . ISBN 978-1-4799-4602-0. Publisher IEEE, SCOPUS
226. Bălan Oana, Moldoveanu Alin, Moldoveanu Florica (2014). Studiu comparativ al principalelor aplicații de tipul Virtual Dressing Room. In ROCHI 2014 - National Conference on Computer-Human Interaction. ISSN ISSN 2344-1690, pp. 29--34, September 2014, Google Scholar
227. Frâncu, M., Moldoveanu, F. (2014). An Improved Jacobi Solver for Particle Simulation, Proceeding of the 11th Workshop on Virtual Reality Interaction and Physical Simulation (VRIPHYS 2014), Bremen, Germany, 2014, pages 125-134, Google Scholar
228. Petrescu L., Moldoveanu F., Asavei V., Moldoveanu A. (2014). A GPU Task Generator for Rendering. The 18th International Conference on System Theory, Control and Computing (ICSTCC), 2014, 17-19 Oct. 2014, Sinaia, Romania. pp. 556-561. Publisher IEEE. 2014, SCOPUS
229. Taslitchi C., Moldoveanu F., Moldoveanu A., Egner A. (2014). Timeline-based Clinical Case Manager. The Third International Conference on Global Health Challenges (GLOBAL HEALTH 2014), Rome, Italy, 2014. pp. 8-13. ISBN: 978-1-61208-359-9. 2014, Google Scholar
230. Iordache Raluca, Moldoveanu Florica (2013). QoS-Aware Web Service Semantic Selection Based on Preferences, Conference: 24th DAAAM International Symposium on Intelligent Manufacturing and Automation, Univ Zadar, Zadar, CROATIA, OCT 23-26, 2013, Procedia Engineering Volume: 69 Pages: 1152-1161 Published: 2014

231. Bălan O., Moldoveanu A., Moldoveanu F., Morar A. (2013). Virtual Reality in Medicine - Achievements, Challenges and Trends, ROCHI National Conference on Computer-Human Interaction, Cluj-Napoca, September 2-3, pp 91-95. ISSN 2344-1690. editată de RoCHI (ACM SIGCHI Romania), Google Scholar
232. Morar A., Moldoveanu A., Moldoveanu F., Asavei V, Petrescu L., Balan O., Negoii I., Hostiuc S. (2013). Human-Computer Interfaces Based on Augmented Virtual Reality and Image Processing in Minimally Invasive Surgery. Proceedings RoCHI 2013 : 10th Romanian Human-Computer Interaction Conference, 2-4 September 2013, Cluj-Napoca, Romania, ISSN 2344-1690, pp. 101-106 . editată de RoCHI (ACM SIGCHI Romania), Google Scholar
233. Cristescu Sorin-Alexandru, Moldoveanu Florica (2012). A Semantic Search Engine Implemented with Open Source. In International Conference on Innovative Technologies (IN-TECH), Google Scholar
234. Egnér Alexandru, Moldoveanu Florica, Goga Nicolae (2012). Using TTCN-3 for testing the interoperability of HL7v3 based applications. In European Journal of Biomedical Informatics (EJBI). vol. 8, no. 4, 2012, Google Scholar
235. Egnér Alexandru, Soceanu Alexandru, Moldoveanu Florica (2012). Towards Secure e-Health Interoperable Personal Networks. IWAAL'12, In Proceedings of the 4th International Workshop on Ambient Assisted Living (IWAAL), pp. 9-16, 2012, ISBN: 978-3-642-35394-9, Google Scholar
236. Iordache Raluca, Moldoveanu Florica (2012). A conditional lexicographic approach for the elicitation of QoS Preferences. In 20th International Conference on Cooperative Information Systems (CoopIS 2012). pp. 182-193, 2012, Google Scholar
237. Shudayfat E., Moldoveanu F., Moldoveanu A. (2012). A 3D Virtual Learning Environment for Teaching Chemistry in High School. Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium, Volume 1, 2012, pp. 423-428. ISSN 2304-1382, ISBN 978-3-901509-91-9. 2012, SCOPUS

Florin Pop and Ph.D. students

238. Radu-Ioan Tutueanu, Florin Pop, Mihaela-Andreea Vasile, Valentin Cristea (2013). Scheduling Algorithm Based on Agreement Protocol for Cloud Systems. In 13th International Conference, ICA3PP 2013, Vietri sul Mare, Italy, December 18-20, 2013, Proceedings, Part II. Springer Berlin Heidelberg, ISBN 978-3-319-03888-9, ISSN 0302-9743, pp. 94--101, December 2013
239. Mihaela-Andreea Vasile, Florin Pop, Radu-Ioan Tutueanu, Valentin Cristea (2013). HySARC2: Hybrid Scheduling Algorithm Based on Resource Clustering in Cloud Environments. In 13th International Conference, ICA3PP 2013, Vietri sul Mare, Italy, December 18-20, 2013, Proceedings, Part I. Springer Berlin Heidelberg, ISBN 978-3-319-03858-2, ISSN 0302-9743, pp. 416--425, December 2013z
240. C. Pop, R.-I. Ciobanu, R.-C. Marin, C. Dobre (2015). Data Dissemination in Vehicular Networks using Context Spaces, in Proc. of 2015 IEEE Globecom Workshops (GC Wkshps), San Diego, CA, pp. 1-7, Dec. 2015. (indexare IEEE Xplore Digital Library)
241. F. Pop, C. Dobre, C. Negru, V. Cristea (2013). Re-scheduling Service for Distributed Systems, in Advances in Intelligent Control Systems and Computer Science, Advances in Intelligent Systems and Computing, Vol. 187, pp. 423-437, 2013. DOI: 10.1007/978-3-642-32548-9_30 (INSPEC, published by Springer)
242. C. Negru, F. Pop, C. Dobre, V. Cristea (2012). Benchmark Analysis for Advanced Distributed Data Storage for Heterogeneous Clusters, in Proc. of 17th Annual Scientific Conference on Web Technology, New Media, Communications and Telematics Theory, Methods, Tools and Applications (EUROMEDIA'2012), Bucharest, Romania, pp. 67-74, April 2012. (published by Eurosis)
243. D. Popescu, N. Popescu, F. Pop, V. Ciobanu, C. Dobre, V. Cristea (2012). Security Communication Layer for Public Distributed Reporting Services, in Proc. of 17th Annual Scientific Conference on Web Technology, New Media, Communications and Telematics Theory, Methods, Tools and Applications (EUROMEDIA'2012), Bucharest, Romania, pp. 100-107, April 2012. (published by Eurosis)
244. A. Pastrascu, C. Leordeanu, C. Dobre, V. Cristea (2012). ReC2S: Reliable Cloud Computing System, in Proc. of 17th Annual Scientific Conference on Web Technology, New Media, Communications and Telematics Theory, Methods, Tools and Applications (EUROMEDIA'2012), Bucharest, Romania, pp. 5-13, April 2012. (published by Eurosis)
245. Mihaela-Catalina Nita, Florin Pop, Mariana Mocanu, Valentin Cristea (2014). FIM-SIM: Fault-Injection Module for CloudSim based on Statistical Distributions, Journal of Telecommunications and Information Technology, ISSN: 1509-4553, 2014
246. Claudia Ifrim, Florin Pop, Mariana Mocanu, Valentin Cristea (2015). AgileDBLP: A Search-Based Mobile Application for Structured Digital Libraries. In Semantic Keyword-based Search on Structured Data Sources, pp. 88-93. Springer International Publishing, 2015., doi:10.1007/978-3-319-27932-9_8
247. Catalin-Constantin Usurelu, Mihaela-Catalina Nita, Roxana Istrate, Florin Pop, Nicolae Tapus (2015). Spider Mesh Overlay for Task Load Balancing in Cloud Computing. In Intelligent Computer Communication and

Processing (ICCP), 2015 IEEE International Conference on, pp. 433-440. IEEE, 2015, doi:10.1109/ICCP.2015.7312698

248. Mihaela-Alexandra Popescu, Emil Slusanschi, Voichita Iancu, and Florin Pop (2014). A new bound in information theory. In RoEduNet Conference 13th Edition: Networking in Education and Research Joint Event RENAM 8th Conference, 2014, pp. 1-3. IEEE, 2014., doi:10.1109/RoEduNet-RENAM.2014.6955301
249. Mihaela-Alexandra Popescu, Oana Slusanschi, Alexandru-Corneliu Olteanu, Florin Pop (2014). New Bounds of a Measure in Information Theory, 2014 IEEE International Conference on High Performance Computing and Communications (HPCC), pp. 939-940, IEEE, doi:10.1109/HPCC.2014.142
250. Radu-Ioan Tutueanu, Florin Pop, Mihaela-Andreea Vasile, Valentin Cristea (2013). Scheduling Algorithm Based on Agreement Protocol for Cloud Systems. In 13th International Conference, ICA3PP 2013, Vietri sul Mare, Italy, December 18-20, 2013, Proceedings, Part II. Springer Berlin Heidelberg, ISBN 978-3-319-03888-9, ISSN 0302-9743, pp. 94--101, December 2013, doi:10.1007/978-3-319-03889-6_11

Răzvan Rughiniș and Ph.D. students

251. Rughiniș, R., Nae, M.-R., & Bucicoiu, M. (2013). Moodle Analytics: Moodle Integration for User Activity Analysis. In The 2nd International Conference on Education Reform and Management Innovation (ERMI 2013). Vol. 44, pp. 267-272
252. Bucicoiu, M., Ghideu, M.-Ștefan, & Rughiniș, R. (2013). Cloud Video Streaming Using Raspberry Pi. In The 3rd International Conference on Social Sciences and Society (ICSSS 2013) Vol. 32, pp. 218–223
253. R. Rughiniș, D. Ene, M. Bucicoiu (2013). Virtual Epicenter: Web-Based Real-Time Collaborative Platform for Self-and Project-Management. 2nd International Symposium on Computer, Communication, Control and Automation (3CA 2013), 2013, pp. 309-312
254. O. Niculaescu, M. Carabas, L. Gheorghe, R. Rughiniș, and N. Tapus (2014). Graphical Packet Generator - A solution for automatic discovery of the network topology and packet generation, in Roedunet International Conference (RoEduNet), 2014 13th, 2014, pp. 1–6
255. R. Trandafir, M. Carabas, R. Rughiniș, N. Tapus (2014). FirewallPK: Security tool for centralized Access Control List management, in Roedunet International Conference (RoEduNet), 2014 13th, 2014, pp. 1–6
256. C. Ruta, M. Carabas, R. Rughiniș, N. Tapus (2014). TEMPO: Traffic engineering and management in private organizations, in Roedunet International Conference (RoEduNet), 2014 13th, 2014, pp. 1–5
257. R. Rughiniș, Flexible Gamification in a Social Learning Situation (2013). in 10th International Conference on Computer Supported Collaborative Learning CSCL 2013, pp. 137-140
- 258.

Luca Dan Șerbănați and Ph.D. students

251. V. Rentea, L. D. Serbanati (2013). Steps Towards Influencing Human Behavior with a Multi-Agent Prevention Assistant System, Politehnica Scientific Bulletin, C Series - Electrical Engineering and Computer Science, 2013
252. Posircaru D.R., L.D. Serbanati (2015). Integrating legacy medical applications in a standardized Electronic Health Record platform, Procs. of the 5th IEEE International Conference on e-Health and Bioengineering, EHB 2015, Nov. 2015, Iasi, Romania, ISBN 978-1-4673-7544-3, DOI: 10.1109/EHB.2015.7391401, IEEE Publications
253. Iancu R., Serbanati L.D., Chera C., Gheorghe-Pop I.D., Ertl B. (2015). An E-health Approach for Remote Cardiac Rehabilitation, Procs. of the 20th International Conference on Control Systems and Computer Science, CSCS 20, May 2015, Bucharest, Romania, pp.205-210, ISBN: 978-1-4799-1779-2, DOI: 10.1109/CSCS.2015.137, IEEE Publ.
254. Serbanati L.D., Radu S. (2013). Paradigm Shifts in Health Informatics, in HEALTHINF 2013 - Proceedings of the International Conference on Health Informatics, pag. 256-262, Barcelona, Spain, 11-14 February, 2013., SciTePress, ISBN 978-989-8565-37-2
255. Nita B., Serbanati L.D. (2013). Using the Surrounding WEB Content of Pictures to Generate Candidates for Photo Annotation, Procs of the 19th International Conference on Control Systems and Computer Science, CSCS 19, 29-31 May, 2013, ISBN: 978-1-4673-6140-8, DOI: 10.1109/CSCS.2013.13, IEEE Publ.
256. Serbanati L.D., Vasileteanu A., Nita B., Strengthening Context-Awareness of Virtual Species in Digital Ecosystems, Proc. CSCS' 19 - The 19th International Conference on Control Systems and Computer Science, 29-31 May, 2013, ISBN: 978-1-4673-6140-8, DOI: 10.1109/CSCS.2013.79, IEEE Publ.
257. Nita B., Serbanati L.D., Towards Context-Aware EHR-Based Healthcare Systems, IARIA, in SERVICE COMPUTATION 2012, Nice, 2012

Nicolae Țăpuș and Ph.D. students

258. Lupescu, G., Slusanschi, E.-I., Tapus, N. (2015). Extensions over OpenCL for latency reduction and critical applications. In 17th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC) 2015. IEEE, ISBN 978-1-5090-0461-4, Timisoara, Romania, September 2015
259. Duta Cristina-Loredana, Gheorghe Laura, Tapus, Nicolae (2015). Real Time Implementation of MELP Speech Compression Algorithm using Blackfin Processors. In 9th International Symposium on Image and Signal Processing and Analysis (ISPA 2015). pp. 252--257, September 2015
260. Carabas Costin, Patru Irina-Ioana, Carabas Mihai, Gheorghe Laura, Tapus Nicolae (2015). Error Monitoring for Mobile Operating Systems. In Complex, Intelligent, and Software Intensive Systems (CISIS), 2015 Ninth International Conference on. pp. 302--307, July 2015
261. Ciocirlan Daniel, Tapus Nicolae, Dragomir Dan (2015). Solving Hard Problems on Adiabatic Quantum Computers. In The 20th International Conference on Control Systems and Computer Science (CSCS20-2015). May 2015
262. Costea Sergiu, Tapus Nicolae (2015). Input Validation for the Laplace Differential Privacy Mechanism. In The 20th International Conference on Control Systems and Computer Science CSCS20, May 2015
263. Florea Iulia Maria, Gheorghe Laura, Carabas Mihai, Tapus Nicolae (2015). Routing Enhancements based on Evolutionary Algorithm. In 11th International Conference on Intelligent Computer Communications and Processing (ICCP 2015). pp. 491--497, 2015
264. Duta Cristina-Loredana, Gheorghe Laura, Tapus Nicolae (2015). Analyze OSPF Convergence Time in the Presence of Single and Multiple Failures. In 7th International Conference on Emerging Networks and Systems Intelligence (EMERGING 2015). pp. 72--78, 2015
265. Duta Cristina-Loredana, Gheorghe Laura, Tapus Nicolae (2015). Framework for Evaluation and Comparison of Primality Testing Algorithms. In 20th International Conference on Control Systems and Computer Science (CSCS20 2015). pp. 483--490, 2015
266. Dragomir Cosmin, Mogosanu Lucian, Carabas Mihai, Deaconescu Razvan, Tapus Nicolae (2015). Towards the Property-Based Testing of an L4 Microkernel API. In VECoS'2015 Verification and Evaluation of Computer and Communication Systems. vol. 1431, ISSN 1613-0073, pp. 39 -- 48, 2015
267. Costea Sergiu, Ghinita Gabriel, Rughinis, Razvan, Tapus, Nicolae (2015). Reduced Relative Errors for Short Sequence Counting with Differential Privacy. In The 20th International Conference on Control Systems and Computer Science CSCS20. IEEE, pp. 475--482, 2015
268. Usurelu Catalin-Constantin, Nita Mihaela-Catalina, Istrate, Roxana, Pop Florin, Tapus Nicolae (2015). Spider Mesh Overlay for Task Load Balancing in Cloud Computing. In Intelligent Computer Communication and Processing (ICCP), 2015 IEEE International Conference on. pp. 433--440, 2015
269. Condurache Cristian, Mogosanu Lucian, Carabas Mihai, Gheorghe Laura, Tapus Nicolae (2015). Performance Evaluation of In-kernel System Calls. In Engineering of Computer Based Systems (ECBS-EERC), 2015 4th Eastern European Regional Conference on the. pp. 130 -- 133, 2015
270. Trandafir Ruxandra, Carabas Mihai, Rughinis Razvan, Tapus Nicolae (2014). FirewallPK: Security tool for centralized Access Control List management. In RoEduNet Conference 13th Edition: Networking in Education and Research Joint Event RENAM 8th Conference, 2014. ISSN 2068-1038, pp. 1--6, September 2014
271. Niculaescu Oana, Carabas Mihai, Gheorghe Laura, Rughinis, Razvan, Tapus, Nicolae (2014). Graphical Packet Generator - A solution for automatic discovery of the network topology and packet generation. In RoEduNet Conference 13th Edition: Networking in Education and Research Joint Event RENAM 8th Conference, 2014. ISSN 2068-1038, pp. 1--6, September 2014
272. Farooq Muhammad Umar, Tapus, N. (2014). CAMT: Core Assisted Multicast Tree for Ad hoc Networks. In Networking in Education and Research, Joint Event 13th RoEduNet & 8th RENAM Conference, Chisinau, Moldova, September 11-13, 2014. September 2014
273. Bucicoiu Mihai, Mircea Ghideu, Tapus Nicolae (2014). Secure Cloud Video Streaming Using Tokens. In Roedunet International Conference (RoEduNet). ISSN 2068-1038, September 2014
274. Ruta Cristian, Carabas Mihai, Rughinis Razvan, Tapus, N. (2014). TEMPO: Traffic engineering and management in private organizations. In RoEduNet Conference 13th Edition: Networking in Education and Research Joint Event RENAM 8th Conference, 2014. ISSN 2068-1038, pp. 1--5, September 2014
275. Vasilescu Mihai, Gheorghe Laura, Tapus Nicolae (2014). Practical Malware Analysis based on Sandboxing. In 13th RoEduNet International Conference. pp. 47--52, 2014
276. Olteanu Alexandru, Tapus Nicolae (2013). Offloading for mobile devices: A survey. In UPB Scientific Bulletin. October 2013
277. Chiricescu Serban, Olteanu Alexandru, Tapus Nicolae (2013). Interactiunea cu dispozitive mobile pe baza detectiei miscărilor fetei. In RoCHI September 2013

278. Gherghina Alexandru, Olteanu Alexandru, Tapus Nicolae (2013). Measuring performance and energy consumption when offloading from mobile devices. In The 2nd International Conference on Systems and Computer Science. August 2013
279. Olteanu Alexandru, Iosup Alexandru, Tapus, Nicolae (2013). Towards a workload model for online social applications: ICPE 2013 work-in-progress paper. In ACM/SPEC International Conference on Performance Engineering. August 2013
280. D. Tudose, L. Gheorghe, N. Țăpuș (2013). Radio transceiver consumption modeling for multi-hop wireless sensor networks, U.P.B. Sci. Bull., Series C, Vol. 75, Iss. 1, 2013. (ISSN 1454-234x)
281. Zamfirache Virgil, Alina Eftenoiu, Iosif Paula, Olteanu Alexandru, Tapus, Nicolae (2013). Extending the moodle course management system for mobile devices. In The 2nd International Conference on Systems and Computer Science. August 2013
282. Fasui Alexandru, Olteanu Alexandru, Tapus Nicolae (2013). On using grid and distributed computing for mobile applications. In The 2nd International Conference on Systems and Computer Science. August 2013
283. Olteanu Alexandru, Tudose Dan, Tapus Nicolae (2013). Energy-efficient user interaction with an off-grid building. In Systems and Computer Science (ICSCS). 2013
284. Prejbeanu Razvan, Olteanu Alexandru, Tapus Nicolae (2012). Real time collaboration in cloud for tune-up android. In The 12th Roedunet International Conference. January 2013
285. Gheorghe Laura, Rughinis Razvan, Tapus Nicolae (2012). Adaptive Security Framework for Wireless Sensor Networks. In International Workshop on Secure Internet of Things, in the 4th International Conference on Intelligent Networking and Collaborative Systems. 2012
286. V. Stanciu, M. I. Andreica, V. Olaru, N. Țăpuș (2012). Design and Development of a UDP-based Connection-Oriented Multi-Stream One-to-Many Communication Protocol, Journal of Telecommunications and Information Technology (JTIT), Vol. 3, No. 1, pp. 3-15, 2012. (ISSN: 1509-4553)
287. M. Markov, M. I. Andreica, K. Manev, N. Țăpuș (2012). A Linear Time Algorithm for Computing Longest Paths in Cactus Graphs, Serdica Journal of Computing, Vol. 6, No. 3, pp. 287-298, 2012 (ISSN: 1312-6555)
288. D. Tudose, L. Gheorghe, N. Țăpuș (2012). Radio Transceiver Consumption Modeling for Multi-hop Wireless Sensor Networks, UPB Scientific Bulletin, Series C

Stefan Trăușan-Matu and Ph.D. students

289. Dascalu, M., Stavarache, L.L., Dessus, P., Trausan-Matu, S., McNamara, D.S., Bianco, M. (2015). Predicting Comprehension from Students' Summaries. In C. Conati et al. (Eds.): 17th Int. Conf. on Artificial Intelligence in Education (AIED 2015) (pp. 95–104). Madrid, Spain: Springer
290. Dascalu, M., Stavarache, L.L., Dessus, P., Trausan-Matu, S., McNamara, D.S., Bianco, M. (2015). ReaderBench: The Learning Companion. In C. Conati et al. (Eds.): 17th Int. Conf. on Artificial Intelligence in Education (AIED 2015) (pp. 915–916). Madrid, Spain: Springer
291. Dascalu, M., Stavarache, L.L., Trausan-Matu, S., Dessus, P., Bianco, M., McNamara, D.S. (2015). ReaderBench: An Integrated Tool Supporting both Individual and Collaborative Learning. In 5th Int. Learning Analytics & Knowledge Conf. (LAK'15) Poughkeepsie, NY: ACM, pp. 436-437.
292. Dascalu, M., Trausan-Matu, S., Dessus, P., McNamara, D.S. (2015). Discourse cohesion: A signature of collaboration. In 5th Int. Learning Analytics & Knowledge Conf. (LAK'15) pp. 350–354. Poughkeepsie, NY: ACM
293. Dascalu, M., Trausan-Matu, S., Dessus, P., McNamara, D.S., Dialogism: A Framework for CSCL and a Signature of Collaboration. In 11th Int. Conf. on Computer-Supported Collaborative Learning (CSCL 2015). Gothenburg, Sweden: ISLS, pp. 86-93
294. Dragos Alexandru Cojocaru, Stefan Trausan-Matu (2015). Text Generation Starting from an Ontology, In (Eds.): Marian Dardala, Traian Rebedea, Proceedings of the Romanian Conference on Human-Computer Interaction, RoCHI 2015, MATRIX ROM, Bucharest, 2015, pp. 55-60
295. Gutu, Marius-Gabriel; Rebedea, Traian; Trausan-Matu, Stefan (2015). A Comparison of Semantic Similarity Techniques for a Corpus of CSCL Chats; In Proceedings of the 14th RoEduNet International Conference - Networking in Education and Research (NER'2015); Craiova, Romania
296. Irina Toma, Mihai Dascălu, Ștefan Trăușan-Matu (2015). Seeker: A Serious Game for Improving Cognitive Abilities, In Proceedings of the 14th RoEduNet International Conference - Networking in Education and Research (NER'2015); Craiova, Romania
297. Mahloane, M., J., Trausan-Matu, S. (2015). Metaphor Annotation in Sesotho Text Corpus, 20th Int. Conf. on Control Systems and Computer Science (CSCS20). Bucharest, Romania: IEEE, pp. 405-410
298. Nistor, N., Dascalu, M., Tarnai, C., Bresser, N., Trausan-Matu, S. (2015). Online Knowledge Communities as Student-Centered Open Learning Environments: How Likely Will They Be to Integrate Learners as New

- Members? In 11th Int. Conf. on Computer-Supported Collaborative Learning (CSCL 2015). Gothenburg, Sweden: ISLS, pp. 494-498
299. Sibel Denisleam (Molomer), Stefan Trausan-Matu, Philippe Dessus Maryse Bianco (2015). Analyzing Students Pauses During Reading and Explaining a Story, In Proceedings of the 14th RoEduNet International Conference - Networking in Education and Research (NER'2015); Craiova, Romania
 300. Stavarache, L.L., Dascalu, M., Trausan-Matu, S., Nistor, N. (2015). Topics Evolution in Online Knowledge Building Communities: A case study of cooking versus politics blogs. In 2nd Int. Workshop on Design and Spontaneity in Computer-Supported Collaborative Learning (DS-CSCL-2015), in conjunction with the 20th Int. Conf. on Control Systems and Computer Science (CSCS20). Bucharest, Romania: IEEE, pp. 765-772.
 301. Stavarache, L.L., Dascalu, M., Trausan-Matu, S., Nistor, N. (2015). Predicting the Integration of Newcomers in OKBCs based on Existing Members' Involvement. In 6th Int. Conf. on Information, Intelligence, Systems and Applications (IISA 2015). Corfu, Greece: IEEE
 302. Stefan Ruseti, Alexandru Mirea, Traian Rebedea, Stefan Trausan-Matu, QAnswer - Enhanced Entity Matching for Question Answering over Linked Data, Working Notes of CLEF 2015, Toulouse, France, <http://ceurws.org/Vol-1391/99-CR.pdf>
 303. Trausan-Matu, S., Dascalu, M. (2015). Visualization of Polyphonic Voices Inter-animation in CSCL Chats. *Revista Romana de Interactiune Om-Calculator*, 8(4), 305-322
 304. Trausan-Matu, S., Calinescu, A. (2015), Compunerea de muzică prin sonificarea conversațiilor chat conform modelului polifonic, *Revista Romana de Interactiune Om-Calculator*, 8(1), 33-44
 305. Daniela Stamatii, Mihai Dascălu, Ștefan Trăușan-Matu (2015) Creativity stimulation in chat conversations through morphological analysis, *U.P.B. Sci. Bull., Series C*, Vol. 77, Iss. 4, 2015, pp. 17-30
 306. Nardy, A., Bianco, M., Dessus, P., Buson, L., Dascalu, M., Trausan-Matu, Ș., & Mout, T. Compréhension en lecture et productions orales formelles chez des élèves de cycle 3. Présenté à Sixième Colloque International de l'Association Française de Linguistique Cognitive (AFLiCo VI) : Langage, Cognition et Société, Grenoble
 307. Dumitru-Clementin Cercel, Stefan Trausan-Matu (2014). Opinion Influence Analysis in Online Forum Threads. *SYNASC 2014*: 228-235
 308. Dascalu, M., Stavarache, L. L., Trausan-Matu, S., Dessus, P, Bianco, M. (2014, 10-12 Nov.). Reflecting comprehension through French textual complexity factors. *Proceedings of the 26th IEEE Int. Conf. on Tools with Artificial Intelligence (ICTAI 2014)*. Limassol, IEEE, pp. 615-619).
 309. Stavarache, L. L., Dascalu, M., Trausan-Matu, S., Dessus, P. (2014, 24-25 avril). Paper vs. slides: Do they have similar textual traits? In S. Trausan-Matu & M. Dascalu (Eds.), *3rd Int. Workshop on Semantic and Collaborative Technologies for the Web*, joint to the 10th Int. Conf. ELearning and Software for Education. Bucarest.
 310. Alasfour A., Trausan-Matu, S. (2014), Automatic Construction of a Parallel Multilingual Named Entity Corpus - "PUB-NE", *Proceedings of the IEEE International Conference on Computer, Control, Informatics and its Applications - IC3INA 2014*
 311. Iulia Badea, Stefan Trausan-Matu (2014). CSCL Chats Analysis Using R Package, in *Proceedings of IEEE 18th Intl. Conf. On System Theory, Control and Computing*, IEEE Control Systems Society, pp. 885-890
 312. Adrian Simion, Ștefan Trăușan-Matu (2014). E-learning tools for ethno musicological students based on music information retrieval techniques, *Proceedings of the 10th International Scientific Conference eLearning and software for Education*, Bucharest, 2014, 10.12753/2066-026X-14-025, 8 pag.
 313. Dascălu, M., Dessus, P., Trăușan-Matu Ș. (2014). L'analyse de la complexité du discours et du texte pour apprendre et collaborer, *Adjectif [En ligne]*, mis en ligne le 27 septembre 2014. URL :<http://www.adjectif.net/spip/spip.php?article312>
 314. Dascalu, Mihai; Stavarache, Larise Lucia; Trausan-Matu, Stefan; Dessus, Philippe; Bianco, Maryse (2014). Analiza automată a materialelor școlare franceze din prisma complexității textuale; *Conferinta Nationala de Interactiune Om-Calculator (RoCHI 2014)*, pp. 55-60
 315. Oprescu, B., Dascălu, M., Trăușan-Matu, Ș., Dessus, P., Bianco, M. (2014). Automated assessment of paraphrases in pupil's self-explanations. *UPB Scientific Bulletin, Series C: Electrical Engineering*, 76(1), 31-44
 316. Alasfour A., Trausan-Matu, S. (2014), A Proposal Approach For Multilingual Events Extraction (OraMEE), *UPB Scientific Bulletin, Seria C Inginerie Electrică și Știința Calculatoarelor*
 317. Stefan Trausan-Matu (2014). Analiza cronotopica a discursului in texte si conversatii, *Conferinta Nationala de Interactiune Om-Calculator (RoCHI 2014)*, pp. 35-40
 318. Iulia Badea, Stefan Trausan-Matu (2014). Analiza chaturilor CSCL folosind pachetul R, *Conferinta Nationala de Interactiune Om-Calculator (RoCHI 2014)*, pp. 45-50

319. Bardas, Alexandru and Dascalu, Mihai and Trausan Matu, Stefan (2014). Modelarea, analiza și clasificarea conversațiilor în medii colaborative. In *Revista Romana de Interactiune Om-Calculator*. vol. 7, no. 3, pp. 209-224, 2014
320. Liviu Sebastian Matei, Ștefan Trăușan-Matu (2014). Identificarea entităților cu nume, *Revista Romana de Interactiune Om-Calculator*, 7(4), 2014
321. Sibel Denisleam (Molomer), Stefan Trausan-Matu (2014). Analiza interacțiunilor într-o sesiune colaborativă de învățare pe mesageria instantanee, In *Revista Romana de Interactiune Om-Calculator*. vol. 7, no. 4, pp. 321—332
322. Abdel Alnasser A. Alasfour, Stefan Trausan-Matu (2013). Developing an Arabic Corpus for Event Mining, in Emil Petre, Marius Brezovan (eds.), *Proceedings of IEEE 17th Intl. Conf. On System Theory, Control and Computing*, IEEE Control Systems Society, p. 21-28
323. Bianco, M., Dessus, P., Nardy, A., Rémond, M., Dascalu, M., Oprescu, B., Trausan-Matu, S. (2013). Evaluer automatiquement les auto-explications lors de la lecture d'élèves de Cycle 3 avec ReaderBench. *Revue A.N.A.E.*, 123, 149–155, (2013)
324. Cercel Clementin, Stefan Trausan-Matu (2013). Evoluția opiniilor în forum-uri folosind o abordare semantică de sumarizare, in T. Stefanut, C. Rusu (eds.), *Volumul lucrărilor Conferinței Naționale de Interactiune Om-Calculator*, Rochi 2013, MatrixRom, pp. 51-56
325. Cercel, D.-C., Trausan-Matu, S., The Features-Based Evolution of the Opinions in Forums Using a Semantic Summarization Approach, 2nd IEEE International Conference on Systems and Computer Science (ICSCS), Villeneuve d'Ascq, France, pp. 222-227
326. Cercel, Dumitru-Clementin, Trausan-Matu, Stefan (2013). A POS Tagger analysed in collaboration environments and literary texts, *Proceedings of EGC Conference*, Toulouse, France, 2013, volume RNTI-E-24 of *Revue des Nouvelles Technologies de l'Information*, Hermann-Éditions, (2013), pp. 287-292
327. Cercel, Dumitru-Clementin, Trausan-Matu, Stefan, Overview and Preliminary Results for a Opinions Summarization Method, 2013 IEEE 19th International Conference on Control Systems and Computer Science, pp. 218-224
328. Costin-Gabriel Chiru, Traian Rebedea, Stefan Trausan-Matu (2013). NLP-Based Heuristics for Assessing Participants in CSCL Chats. In D. Hernández-Leo, T. Ley, R. Klamka & A. Harrer (Eds.), 8th European Conference on Technology Enhanced Learning (EC-TEL 2013): pp. 84-96
329. Dascalu, M. Trausan-Matu, S. and Dessus, P. (2013). Voices' Inter-Animation Detection with ReaderBench Modelling and Assessing Polyphony in CSCL Chats as Voice Synergy, 2nd IEEE International Conference on Systems and Computer Science (ICSCS), Villeneuve d'Ascq, France, pp. 281-285
330. Dascalu, M., Dessus, P., Bianco, M., Loiseau, M., Trausan-Matu, S. (2013). L'apport du TAL dans des environnements favorisant l'apprentissage auto-régulé. In *Proceedings of EIAH & IA*. Toulouse, France
331. Dascalu, M., Dessus, P., Trausan-Matu, S., Bianco, M., Nardy, A. (2013). ReaderBench, an Environment for Analyzing Text Complexity and Reading Strategies. In H. C. Lane, K. Yacef, J. Mostow & P. Pavlik (Eds.), 16th Int. Conf. on Artificial Intelligence in Education (AIED 2013). Memphis, USA: Springer, pp. 379-388
332. Dascalu, M., Dessus, P., Trausan-Matu, S., Bianco, M., Nardy, A. (2013, April, 30). ReaderBench – an Environment for Analyzing Textual Complexity, Reading Strategies and Collaboration. *Laboratoire des Sciences de l'Education*. Grenoble, UPMF, France.
333. Dascalu, M., Trausan-Matu, S., Dessus, P. (2013). ReaderBench - Analiza bazată pe coeziune a implicării și a colaborării participanților în cadrul conversațiilor CSCL. in T. Stefanut, C. Rusu (eds.), *Volumul lucrărilor Conferinței Naționale de Interactiune Om-Calculator*, Cluj-Napoca, 57–64
334. Dascalu, M., Trausan-Matu, S., Dessus, P. (2013, Jan. 22). ReaderBench - Discourse Analysis Platform. Lig - MeTAH - Modèles et Technologies pour l'Apprentissage Humain. Grenoble, UJF, France.
335. Dascalu, M., Trausan-Matu, S., Dessus, P., Bianco, M., Nardy, A. (2013). ReaderBench, o platformă integrată pentru analiza complexității textuale și a strategiilor de lectură. in T. Stefanut, C. Rusu (eds.), *Volumul lucrărilor Conferinței Naționale de Interactiune Om-Calculator*, Cluj-Napoca, 39–46.
336. Iulia Badea, Stefan Trausan-Matu (2013). Analiza textelor folosind serii de timp, in T. Stefanut, C. Rusu (eds.), *Volumul lucrărilor Conferinței Naționale de Interactiune Om-Calculator*, Rochi 2013, MatrixRom, pp. 65-70
337. Iulia Badea, Stefan Trausan-Matu (2013). Text Analysis Based on Time Series, in Emil Petre, Marius Brezovan (eds.), *Proceedings of IEEE 17th Intl. Conf. On System Theory, Control and Computing*, IEEE Control Systems Society, p.37-41
338. Lupan, D., Bobocescu-Kesikis, S., Dascalu, M., Trausan-Matu, S., Dessus, P. (2013). Predicting Readers' Emotional States Induced by News Articles through Latent Semantic Analysis. In *Social Media in Academia: Research and Teaching (SMART 2013)*. Bacau, Romania, Pages: 79-84

339. Nicolae Nistor, Beate Baltes, Dan Mihăilă, Mihai Dascalu, George Smeaton, Stefan Trausan-Matu (2013). Virtual communities of practice in academia: An automated analysis of expertise and expert status, 15th European Biennial Conference for Research on Learning and Instruction (EARLI), Munich, Germany, 2013
340. Nicolae Nistor, Mihai Dascalu, Stefan Trausan-Matu, Dan Mihaila, Beate Baltes, George Smeaton: Virtual Communities of Practice in Academia: Automated Analysis of Collaboration Based on the Social Knowledge-Building Model. In D. Hernández-Leo, T. Ley, R. Klamma & A. Harrer (Eds.), 8th European Conference on Technology Enhanced Learning (EC-TEL 2013) pp. 623–624. Paphos, Cyprus: Springer
341. Nistor, N., Baltes, B., Smeaton, G., Dascalu, M., Mihaila, D., Trausan-Matu, S. (2013). Virtual Communities of Practice in Academia: An Automated Discourse Analysis. Paper presented at the 1st International Workshop on Discourse-Centric Learning Analytics (DCLA13), a pre-conference workshop at Learning Analytics and Knowledge (LAK2013), Leuven, Belgium. <http://www.solaresearch.org/events/lak/lak13/dcla13/>
342. Stavarache, L.L., Dascalu, M., Trausan-Matu, S., Dessus, P. (2013). Analiza complexității manualelor școlare din sistemul de învățământ francez primar. *Revista Romana de Interactiune Om-Calculator*, 6(4), 339–356.
343. Stefan Trausan-Matu, Mihai Dascalu, Traian Rebedea (2012). A System for the Automatic Analysis of Computer-Supported Collaborative Learning Chats, *Proceedings of the 12th IEEE International Conference on Advanced Learning Technologies ICALT 2012*, pp. 95-99, IEEE Computer Society
344. Diana Lupan, Mihai Dascalu, Stefan Trausan-Matu, Philippe Dessus (2012). Analyzing Emotional States Induced by News Articles with Latent Semantic Analysis. *AIMSA 2012*: 59-68
345. Mihnea Donciu, Madalina Ionita, Mihai Dascalu, Stefan Trausan-Matu (2012). Ant Colony Optimisation for Automatically Populating Ontologies with Individuals. *14th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)*, (2012), pp. 227 - 232
346. Cristian Bancu, Monica Dagadita, Mihai Dascalu, Ciprian Dobre, Stefan Trausan-Matu, Adina Magda Florea (2012). ARSYS - Article Recommender System. *14th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)*, (2012), pp. 349 – 355
347. Dessus, P., Bianco, M., Nardy, A., Toffa, F., Dascalu, M., Trausan-Matu, S. (2012). Automated analysis of pupils' self-explanations of a narrative text. In E. de Vries & K. Scheiter (Eds.), *Staging knowledge and experience*, Meeting of the EARLI SIG 2 (pp. 52–54). Grenoble: LSE, Pierre-Mendès-France University
348. Vlad Posea, Traian Rebedea, Costin Chiru, Stefan Trausan-Matu (2012). Social Web Technologies To Enhance Teaching And Learning, *U.P.B. Sci. Bull., Series C, Vol. 74, Iss. 2, 2012 ISSN 1454-234x*, pp. 15-26
349. Dumitru-Clementin Cercel, Ștefan Trăușan-Matu (2012). POS tagger bazat pe modelul HMM de ordinul doi, *Revista Română de Interacțiune Om-Calculator* 5 (2) 2012, pp. 15-34
350. Corina Ciubuc, Mihai Dascălu, Ștefan Trăușan-Matu, Traian Rebedea (2012). Formarea de echipe pe baza profilelor psihologice, *Conferinta Nationala de Interactiune Om-Calculator (RoCHI 2012)*
351. Oprescu, B., Dascalu, M., Trausan-Matu, S., Rebedea, T., Dessus, P., Bianco, M. (2012). Analiza automata a auto-explicatiilor. *Revista Romana de Interactiune Om-Calculator*, 5(6), pp. 71–76. [Conf. RoCHI 2012, 6-7 septembrie, Bucurest, Roumanie]
352. Lupan, D., Dascalu, M., Trausan-Matu, S., Rebedea, T., & Dessus, P. (2012). Analiza starilor emotionale induse de citirea unei stiri utilizand Analiza Semantica Latenta [Prix de la meilleure communication jeunes chercheurs]. *Revista Romana de Interactiune Om-Calculator*, 5(6), pp. 103–106. [Conf. RoCHI 2012, 6-7 septembrie, Bucurest, Roumanie]