

Conf. Dr.-Ing. Grigore Stamatescu

Lista publicațiilor științifice (2000-2018)

• Monografii, Capitle de carte (edituri internaționale)

1. Sgarciu V., Stamatescu G., Distance Process Monitoring using LabVIEW Environment, in LabVIEW – Modeling, Programming and Simulations (Ed. Riccardo de Asmundis), InTech, 2011, pp. 67–88, ISBN 978-953-307-521-1.
2. Popescu D., Stamatescu G., Strutu M., Maciuca A., Design and Implementation of Wireless Sensor Network based on Multilevel Femtocells for Home Monitoring, in Some Advances in Intelligent Robotics and Collaborative Automation (Eds. Y. Kondratenko, R. Duro), River Publishers, 2015, pp.235-255, ISBN 978-87-93237-04-9. WOS:000364308800012. Capitol / 358 biblioteci WorldCat. Link: https://www.worldcat.org/title/advances-in-intelligent-robotics-and-collaborative-automation/oclc/957125083&referer=brief_results WOS Article Type: Article, Book Chapter
3. Stamatescu G., Popescu D., Dobrescu R., Framework for Cognitive Radio Deployment in Large Scale WSN-UAV Surveillance in Pricop E., Stamatescu G. (co-Editors), Recent Advances in Systems Safety and Security, Springer, Iunie 2016, pp. 41-56, ISBN 978-3-319-32523-1. Capitol / 206 biblioteci WorldCat. Link : https://link.springer.com/chapter/10.1007/978-3-319-32525-5_3
4. Halcu I., Stamatescu G., Stamatescu I., Sgarciu V., IPv6 Sensor Networks Modeling for Security and Communication Evaluation in Pricop E., Stamatescu G. (co-Editors), Recent Advances in Systems Safety and Security, Springer, Iunie 2016, pp. 241-260, ISBN 978-3-319-32523-1. Capitol / 206 biblioteci WorldCat. Link: https://link.springer.com/chapter/10.1007/978-3-319-32525-5_14

• Monografii, Capitle de carte (edituri naționale)

1. Popescu D., Stamatescu G., Strutu M., Maciuca A., Aplicații ale rețelelor de senzori multi-nivel in monitorizarea ambientală, POLITEHNICA PRESS, ISBN 978-606-515-503-9, București, 2015, Nr. pagini 213, cod CNCIS editura: 19. <http://www.old.upb.ro/editura-upb/templates/aparitii2013.html>
2. Dragomir F., Stamatescu G., Fagarasan I., Modelarea și simularea generatoarelor fotovoltaice (Capitolul 4) in Modelarea Și Simularea Rețelelor De Joasă Tensiune Cu Producere Din Surse Distribuite De Energiei, Coordonatori: Florin Dragomir, Sergiu Stelian Iliescu, MatrixROM, 2013, ISBN 978-973-100-275-0, București, România, pp. 69-95, cod CNCIS editura: 39.
3. Dragomir F., Stamatescu G., Dragomir O., Stamatescu I., Arghira N., Modelarea și simularea bateriilor de acumulare (Capitolul 6) in Modelarea Și Simularea Rețelelor De Joasă Tensiune Cu Producere Din Surse Distribuite De Energiei, Coordonatori: Florin Dragomir, Sergiu Stelian Iliescu, MatrixROM, 2013, ISBN 978-973-100-275-0, București, România, pp.118-161, cod CNCIS editura: 39.
4. Stamatescu I., Stamatescu G., Tudor V., Algoritmi genetici (Capitolul 6) in Tehnici de Inteligența Artificială folosite in managementul energiei electrice, Coordonatori: Otilia Elena Dragomir, Sergiu Stelian Iliescu, MatrixROM, 2015, ISBN 978-606-23-0506-2, București, România, pp.79-95, cod CNCIS editura: 39.
5. Dumitru I., Stamatescu G., Arghira N., Fagarasan I., Iliescu S. St., Calofir V., Modelarea și monitorizarea sistemului de răcire pentru un centru de date in Automatizări și Instrumentație, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana, Matrix Rom, 2013, pp.8-10, ISBN 978-606-25-0025-2, cod CNCIS editura: 39.
6. Iliescu S. St., Fagarasan I., Dumitru I., Arghira N., Stamatescu G., Sisteme modulare de simulare a conducerii automate a unor procese industriale pentru dotarea platformelor educationale multifuncționale in Automatizări și Instrumentație, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana, Matrix Rom, 2013, pp.11-13, ISBN 978-606-25-0025-2, cod CNCIS editura: 39.
7. Iulia Stamatescu, Grigore Stamatescu, Ioana Fagarasan, Nicoleta Arghira, Vasile Calofir, Cap 8.3 - Studii de caz - Sistem fuzzy de suport al deciziei pentru optimizarea performanțelor sistemelor fotovoltaice cu urmarire, Carte Tehnici de inteligența artificială folosite in managementul energiei

electrice, Coordonatori Sergiu Stelian Iliescu, Otilia Elena Dragomir, Editura Printech, ISBN 978-606-23-0506-2, Bucuresti, Romania, 2015, cod CNCISIS editura: 54.

8. Iliescu S.St., Făgărășan Ioana, Dumitru Iulia, Arghira Nicoleta, Stamatescu Grigore, Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana./ Capitolul Modelarea din punct de vedere energetic si monitorizarea sistemului de racire pentru un centru de date. pp. 8-10. Ed. MatrixRom, ISBN 978-606-23-0506-2, cod CNCISIS editura: 39.

• **Articole în reviste și în volume proceedings de conferințe (indexate ISI)**

1. "Popescu D., Dragana C., Stoican F., Ichim L., Stamatescu G., A Collaborative UAV-WSN Network for Monitoring Large Areas, Sensors 2018, 18, 4202, 25 pages. WOS:000454817100121 Q1 - INSTRUMENTS & INSTRUMENTATION. Publicat Decembrie 2018 - JCR2017. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=3
2. Nichiforov C., Stamatescu G., Stamatescu I., Calofir V., Fagarasan I., Iliescu S. St., Deep Learning Techniques for Load Forecasting in Large Commercial Buildings, 2018 22nd International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, 2018, pp. 492-497. WOS:000465109800081. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=9
3. Mihai, Viorel; Hanganu, Cristina Elena; Stamatescu, Grigore; Popescu Dan, WSN and Fog Computing Integration for Intelligent Data Processing, Conference: 10th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Location: Iasi, ROMANIA Date: JUN 28-30, 2018 PROCEEDINGS OF THE 2018 10TH INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTERS AND ARTIFICIAL INTELLIGENCE (ECAI) 4 pages Published: 2018 WOS:000467734100134 Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=8
4. Stamatescu I., Ploix S., Fagarasan I., Stamatescu G., Data Center Server Energy Consumption Optimization Algorithm, 26th Mediterranean Conference on Control and Automation, MED 2018, 19-22 June, Zadar, Croatia, pp. 813-818. WOS:000454718500134. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=10
5. "Implementation of e-Learning Concept for Industrial Control System. A Case Study, Calofir, Vasile; Fagarasan, Ioana; Iliescu, Sergiu Stelian; Stamatescu Iulia; Arghira Nicoleta; Stamatescu Grigore; Calofir Emil, Conference: 14th International Scientific Conference on eLearning and Software for Education - eLearning Challenges and New Horizons Location: Bucharest, ROMANIA Date: APR 19-20, 2018 PROCEEDINGS OF THE 14TH INTERNATIONAL SCIENTIFIC CONFERENCE ELEARNING AND SOFTWARE FOR EDUCATION: ELEARNING CHALLENGES AND NEW HORIZONS, VOL 3 Pages: 27-33 Published: 2018 WOS:000467471000003 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=7
6. Stamatescu I., Bolboaca V., Stamatescu G., Distributed Monitoring of Smart Buildings with Cloud Backend Infrastructure, Proc. of the 5th International Conference on Control, Decision and Information Technologies, CODIT 2018, 10-13 April, Thessaloniki, Greece, pp. 1035 - 1039. WOS:000468641000174. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=6
7. Mihai V., Dragana C., Stamatescu G., Popescu D., Ichim L., Wireless Sensor Network Architecture based on Fog Computing, Proc. of the 5th International Conference on Control, Decision and Information Technologies, CODIT 2018, 10-13 April, Thessaloniki, Greece, pp. 743 - 747. WOS:000468641000124. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=5
8. Chitu, Claudia; Stamatescu, Grigore; Sgarciu, Valentin, Scalable architectures for stream analytics and data predictions dedicated to smart spaces, 4th ACM Conference on Systems for Energy-Efficient Built Environments (BuildSys) Location: Delft, NL Date: NOV 8-9, 2017, 2 pages. WOS:000463798000046. Link:

http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=26 Conferinta de top - A

9. Cristina Nichiforov, Iulia Stamatescu, Ioana Fagarasan, Grigore Stamatescu, Energy Consumption Forecasting Using ARIMA and Neural Network Models, 5th International Symposium on Electrical and Electronics Engineering ISEEE 2017, Galati, Romania, October 20 - 22, 2017, 4 pages. WOS:000428234400033. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=13
10. Cristian Dragana ; Grigore Stamatescu ; Loretta Ichim ; Dan Popescu, Interlinking unmanned aerial vehicles with wireless sensor networks for improved large area monitoring, Control, Decision and Information Technologies (CoDIT), 2017 4th International Conference on, Barcelona, pp. 359 - 364. WOS:000450826500062. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=12
11. Cristian Patrascioiu, Grigore Stamatescu, Monitoring pH with HART communication, Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS), 2017 9th IEEE International Conference on, Bucharest, pp. 864 - 869. WOS:000425870400052. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=24
12. Andrei Dobrin, Cristian Dragana, Grigore Stamatescu, Valentin Sgarciu, Hierarchical cloud storage engine, Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS), 2017 9th IEEE International Conference on, Bucharest, pp. 504 - 509. WOS:000425869000092. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=20
13. Ioana Fagarasan, Iulia Stamatescu, Cristina Nichiforov, Grigore Stamatescu, Nicoleta Arghira, Sergiu Stelian Iliescu, Laboratory scale wind energy harvester, The 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2017), September 21-23, 2017 Bucharest, Romania, pp. 674 - 678. WOS:000425870400019. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=39&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=1
14. Grigore Stamatescu, Iulia Stamatescu, Nicoleta Arghira, Cristian Dragana, Ioana Fagarasan, Data-driven Methods for Smart Building AHU Subsystem Modelling, Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2017), September 21-23, 2017 Bucharest, Romania, pp. 617 - 621. WOS:000425870400009. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=21
15. Tiberiu Marinescu, Nicoleta Arghira, Daniela Hossu, Ioana Fagarasan, Iulia Stamatescu, Grigore Stamatescu, Vasile Calofir, Sergiu Iliescu, Advanced Control Strategies for Irrigation Systems, The 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2017), September 21-23, 2017 Bucharest, Romania, pp. 843 - 848. WOS:000425870400048. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=22
16. Stamatescu Iulia, Grigore Stamatescu, Ioana Fagarasan, Nicoleta Arghira, Vasile Calofir, Sergiu Stelian Iliescu, ASID: Advanced System for Process Control towards Intelligent Specialization in the Power Engineering Field, The 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2017), September 21-23, 2017 Bucharest, Romania, pp. 475 - 480. WOS:000425869000086. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=19
17. Dragana Cristian, Grigore Stamatescu, Mihai Viorel, Popescu Dan, Evaluation of Cluster Formation Algorithm in Large Scale Wireless Sensor Network, The 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2017), September 21-23, 2017 Bucharest, Romania, pp. 859 - 863. WOS:000425870400051. Link:

http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=23

18. Dragana, Cristian; Mihai, Viorel; Stamatescu, Grigore; Popescu, Dan, In-network Stochastic Consensus for WSN Surveillance Applications, Conference: 9th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Location: Targoviste, ROMANIA Date: JUN 29-JUL 01, 2017 Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=18"
19. Cristian Dragana, Grigore Stamatescu, Viorel Mihai, Dan Popescu, An approach for weighted average consensus in event detection, Control and Automation (MED), 2017 25th Mediterranean Conference on, Malta, pp. 1100 - 1105. WOS:000426926300180. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=17
20. Chitu Claudia, Stamatescu Grigore, Stamatescu Iulia, Sgarciu, Valentin, Wireless System for Occupancy Modelling and Prediction in Smart Buildings, Proceedings of the 25th Mediterranean Conference on Control and Automation (MED 2017), pp. 1094 - 1099. WOS:000426926300179. Link:http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=16"
21. Grigore STAMATESCU, Iulia STAMATESCU, Nicoleta ARGHIRA, Ioana FĂGĂRĂȘAN, Pervasive System Architecture for Optimal HVAC Control in Smart Buildings, Proceedings of the 12th IEEE Conference on Industrial Electronics and Applications, ICIEA 2017, pp. 59 - 63. WOS:000426994400011. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=15
22. Nicoleta ARGHIRA, Iulia STAMATESCU, Ioana FĂGĂRĂȘAN, Grigore STAMATESCU, Vasile CALOFIR, Sergiu Stelian ILIESCU, Demand Dispatch Framework for Smart Distribution Grids, Proceedings of the 12th IEEE Conference on Industrial Electronics and Applications, ICIEA 2017, pp. 48 - 52. WOS:000426994400009. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=14
23. Stamatescu G., Stamatescu I., Popescu D., Consensus-based Data Aggregation for Wireless Sensor Networks, Journal of Control Engineering and Applied Informatics. Volume: 19 Issue: 2 Pages: 43-50 Published: JUN 2017 WOS:000404695500005. JCR 2017. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=11
24. Iulia Stamatescu, Nicoleta Arghira, Ioana Făgărășan, Grigore Stamatescu, Sergiu Stelian Iliescu, Vasile Calofir, Decision Support System for a Low Voltage Renewable Energy System, ENERGIES Journal, Volume: 10, Issue: 1, Article Number: 118, 15 pages, ISSN: 1996-1073, DOI: 10.3390/en10010118, WOS:000392422500117. JCR 2016. Q2 - ENERGY & FUELS Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=25 *Factor de impact si incadrare Q1/Q2 la data publicarii
25. Ghayoula, E.; Fattahi, J.; Ghayoula, R.; Pricop, E.; Stamatescu, G.; Chouinard, JY; Bouallegue, A., Sidelobe Level Reduction in Linear Array Pattern Synthesis Using Taylor-MUSIC Algorithm for Reliable IEEE 802.11 MIMO Applications, IEEE Conference: IEEE International Conference on Systems, Man, and Cybernetics (SMC) Location: Budapest, HUNGARY Date: OCT 09-12, 2016 WOS: 000402634704085. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=27"
26. Dragana, Cristian; Stamatescu, Grigore; Dobrin, Andrei; Popescu, D., Evaluation of continuous consensus algorithm in border surveillance missions, IEEE Conference: 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Location: Ploiesti, ROMANIA Date: JUN 30-JUL 02, 2016, WOS:000402541200045. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=28"
27. Stamatescu, Grigore; Stamatescu, Iulia, Open and Closed Loop Simulation for Predictive Control of Buildings IEEE Conference: 24th Mediterranean Conference on Control and Automation (MED)

- Location: Athens, GREECE Date: JUN 21-24, 2016 WOS:000391154900051. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=29
28. Stamatescu G., ACHIEVING SENSOR FUSION FOR COLLABORATIVE MULTI-LEVEL MONITORING OF PIPELINE INFRASTRUCTURES, UPB Scientific Bulletin, Series C Electrical Engineering and Computer Science, Vol. 78, Iss. 4, pp.83-94, 2016, ISSN 2286-3540. WOS: 000393328400007. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=32
 29. Halcu I., Stamatescu G., Sgarciu V., A SECURITY FRAMEWORK FOR A 6LoWPAN BASED INDUSTRIAL WIRELESS SENSOR NETWORK, UPB Scientific Bulletin, Series C Electrical Engineering and Computer Science, Vol. 78, Iss. 4, pp.57-66, 2016, ISSN 2286-3540. WOS: 000393328400005. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=31
 30. Neculoiu G., Stamatescu G., Sgarciu V., THERMAL CONTROL STRATEGIES APPLIED IN BUILDINGS WITH INTERMITTENT HEATING, UPB Scientific Bulletin, Series C Electrical Engineering and Computer Science, Vol. 78, Iss. 4, pp.31-42, 2016, ISSN 2286-3540. WOS: 000393328400003. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=30
 31. Dobrin A., Stamatescu G., Dragana C., Sgarciu V., Cloud Challenges for Networked Embedded Systems: a Review, Proc. of the 20th International Conference on System Theory, Systems and Computing, ICSTCC 2016, pp. 866-871, 13-15 October, Sinaia, Romania. WOS:000391609900147. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=33
 32. Stamatescu, Grigore; Beltran, Alex; Cerpa, Alberto, Data-driven Comfort Models for User-centric Predictive Control in Smart Buildings, 3rd ACM Conference on Systems for Energy-Efficient Built Environments (BuildSys) Location: Stanford, CA Date: NOV 15-17, 2016, 2 pages. WOS:000433381300030. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=38 Conferinta de top - A
 33. Stamatescu, Iulia; Stamatescu, Grigore; Arghira, Nicoleta; Calofir, Vasile; Fagarasan, Ioana; et al. "Development and Impact Assessment of Cloud-based Industrial Automation Technology Curricula". The International Scientific Conference eLearning and Software for Education 3: 253-259. Bucharest: "Carol I" National Defence University. (2016) WOS:000385397100037. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=34
 34. Fagarasan, Ioana; Arghira, Nicoleta; Calofir, Vasile; Ilescu, Sergiu Stelian; Stamatescu, Iulia; Stamatescu, Grigore. "Virtual Labs for Power Systems Study". The International Scientific Conference eLearning and Software for Education 3: 266-271. Bucharest: "Carol I" National Defence University. (2016) WOS:000385397100039. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=35
 35. G. Stamatescu and A. Cerpa, ""Zone-level agreement by consensus for building thermal energy management,"" 2016 12th IEEE International Conference on Control and Automation (ICCA), Kathmandu, 2016, pp. 377-382. doi: 10.1109/ICCA.2016.7505306. WOS:000381734900064. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=36
 36. Stamatescu G., Popescu D., Mateescu C., Dynamic Task Planning of Aerial Robotic Platforms for Ground Sensor Data Collection and Processing, Proc. of the 24th International Conference on Robotics in Alpe-Adria-Danube Region, RAAD 2015, pp.397-405, Springer 2015. WOS:000381804400040. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=37
 37. G. Stamatescu, I. Stamatescu, C. Drăgana and D. Popescu, ""Large scale heterogeneous monitoring system with decentralized sensor fusion,"" Intelligent Data Acquisition and Advanced

- Computing Systems: Technology and Applications (IDAACS), 2015 IEEE 8th International Conference on, Warsaw, 2015, pp. 2-5., doi: 10.1109/IDAACS.2015.7340690, WOS:000381804400040. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=44"
38. Calofir, Vasile; Tanasa, Valentin; Fagarasan, Ioana; Stamatescu, Iulia; Stamatescu, Grigore; Arghira, Nicoleta, A BACKSTEPPING CONTROL METHOD FOR A NONLINEAR PROCESS - TWO COUPLED-TANKS, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES C-ELECTRICAL ENGINEERING AND COMPUTER SCIENCE Volume: 77 Issue: 3 Pages: 67-76 Published: 2015 WOS:000421805200006. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=51"
 39. Patrascioiu C., Stamatescu G., Petroleum Fractions Liquid - Vapor Equilibrium Simulation using Unisim Design, REVISTA DE CHIMIE, Volume: 66 Issue: 11 Pages: 1867-1876, NOV 2015. WOS:000368213500034. JCR 2017. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=40
 40. I. Stamatescu, G. Stamatescu, V. Calofir, I. Fagarasan and S. S. Iliescu, "Predictive control for photovoltaic tracking optimization," 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), Side, 2015, pp. 531-537. doi: 10.1109/OPTIM.2015.7426957, WOS:000382957000082. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=43"
 41. G. Neculoiu, V. Dache, G. Stamatescu and V. Sgarciu, "Model Predictive Control applied for building thermal control," 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), Side, 2015, pp. 363-368. doi: 10.1109/OPTIM.2015.7427008, WOS:000382957000060
 42. G. Neculoiu, V. Dache, G. Stamatescu and V. Sgarciu, "Buildings modeling in order to implement optimal temperature control," Electronics, Computers and Artificial Intelligence (ECAI), 2015 7th International Conference on, Bucharest, 2015, pp. S-43-S-48. WOS:000370971100024. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=42
 43. I. Halcu, G. Stamatescu and V. Sgarciu, "Enabling security on 6LoWPAN / IPv6 Wireless Sensor Networks," Electronics, Computers and Artificial Intelligence (ECAI), 2015 7th International Conference on, Bucharest, 2015, pp. SSS-29-SSS-32. WOS:000370971100066. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=45
 44. G. Stamatescu, I. Stamatescu, D. Popescu and C. Mateescu, "Sensor fusion method for altitude estimation in mini-UAV applications," Electronics, Computers and Artificial Intelligence (ECAI), 2015 7th International Conference on, Bucharest, 2015, pp. SSS-39-SSS-42. WOS:000370971100068. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=47
 45. Chenaru O., Stamatescu G., Stamatescu I., Popescu D., Towards Cloud Integration for Industrial Wireless Sensor Network Systems, 2015 9TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), pp. 917-922, 2015. WOS:000368159800170. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=48
 46. Patrascioiu C., Doicin B., Stamatescu G., Optimal Blending Study for the Commercial Gasoline, 12TH INTERNATIONAL SYMPOSIUM ON PROCESS SYSTEMS ENGINEERING (PSE) AND 25TH EUROPEAN SYMPOSIUM ON COMPUTER AIDED PROCESS ENGINEERING (ESCAPE), Elsevier Computer Aided Chemical Engineering, Vol. 37, Pp. 215-220, 2015 WOS:000366889500031. Link:

http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=49

47. Vasile C., Stamatescu G., Sgarciu V., Ioana C., Consistency Analysis of Ultrasound Echoes within a Dual Symmetric Path Inspection Framework, *Advances in Electrical and Computer Engineering*, Vol. 15, No. 2, pp. 45 - 50, 2015, DOI 10.4316/AECE.2015.02006 WOS:000356808900006. JCR 2017. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=50
48. Sztojanov, E.; Stamatescu, G.; Sztojanov, I., Early-Warning of Financial Crises Based on Fuzzy Logic, Conference: 6th International Workshop on Soft Computing Applications (SOFA) Location: Timisoara, ROMANIA Date: JUL 24-26, 2014 WOS:000452854600034. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=1&doc=39
49. G. Stamatescu, D. Popescu and R. Dobrescu, "Cognitive radio as solution for ground-aerial surveillance through WSN and UAV infrastructure," *Electronics, Computers and Artificial Intelligence (ECAI)*, 2014 6th International Conference on, Bucharest, 2014, pp. 51-56. doi: 10.1109/ECAI.2014.7090210. WOS:000380489500074. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=60
50. I. Halcu, G. Stamatescu, I. Stamatescu and V. Sgarciu, "An analysis of security and communication constraints of IPv6-based Sensor Networks," *Electronics, Computers and Artificial Intelligence (ECAI)*, 2014 6th International Conference on, Bucharest, 2014, pp. 55-60. doi: 10.1109/ECAI.2014.7090224. WOS:000380489500055. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=59
51. Stamatescu G., Stamatescu I., Arghira N., Fagarasan I., Iliescu S. St., Embedded Networked Monitoring and Control for Renewable Energy Storage Systems, Proc. of the 12th International Conference on Development and Application Systems, DAS 2014, Suceava, Romania, May 15-17, pp. 1-6, DOI 10.1109/DAAS.2014.6842417. WOS:000359866000001. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=52
52. Stamatescu I., Stamatescu G., Arghira N., Fagarasan I., Iliescu S. St., Fuzzy Decision Support System for Solar Tracking Optimization, Proc. of the 12th International Conference on Development and Application Systems, DAS 2014, Suceava, Romania, May 15-17, pp. 16-20, DOI 10.1109/DAAS.2014.6842420. WOS:000359866000004. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=53
53. Stamatescu G., Stamatescu I., Arghira N., Fagarasan I., Iliescu S.St., Innovative SCADA TestBed Infrastructure for Engineering Education and Research, 10th International Scientific Conference eLearning and Software for Education, eLSE 2014, April 24-25, Bucharest, Romania, pp. 464-471, DOI 10.12753/2066-026X-14-127. WOS:000357159300074. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=54
54. Stamatescu G., Stamatescu I., Vasile C., Sgarciu V., Effective Academia-Industry Collaboration for Virtual Instrumentation Teaching and Certification Program, 10th International Scientific Conference eLearning and Software for Education, eLSE 2014, April 24-25, Bucharest, Romania, pp. 357-364, DOI 10.12753/2066-026X-14-195. WOS:000357197700055. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=55
55. Stamatescu G., Chitu C., Vasile C., Stamatescu I., Popescu D., Sgarciu V., Analytical and Experimental Sensor Node Energy Modeling in Ambient Monitoring, 9th IEEE Conference on Industrial Electronics and Applications, ICIEA 2014, June 9-11, Hangzhou, China, pp. 1615-1619, ISBN 978-1-4799-4315-9. WOS:000349638300305. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=56
56. Gornea D., Popescu D., Stamatescu G., Fratila R., Mono-Camera Robotic System for Tracking Moving Objects, 9th IEEE Conference on Industrial Electronics and Applications, ICIEA 2014, June 9-11, Hangzhou, China, pp. 1820-1825, ISBN 978-1-4799-4315-9. WOS:000349638300341.

http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=57

57. Iulia Stamatescu, Ioana Fagarasan, Grigore Stamatescu, Nicoleta Arghira, Sergiu Stelian Iliescu, Design and Implementation of a Solar-tracking Algorithm, *Procedia Engineering*, Volume 69, 2014, Pages 500-507, ISSN 1877-7058, <http://dx.doi.org/10.1016/j.proeng.2014.03.018>. WOS:000335859300067. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=58
58. Maciucă A., Strutu M., Popescu D., Stamatescu G., Cell-based Sensor Network for Complex Monitoring at Home of Patients with Chronic Diseases, 4th International Symposium on Electrical and Electronics Engineering, ISEEE 2013, October 11-13, Galati, Romania, Nr. pagini 6, ISBN 978-1-4799-2441-7. WOS:000335153400060. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=61
59. Stamatescu G., Sterpu G., Sgarciu V., VIBSYS: Integrated Didactic and Research Platform for Vibration Analysis, 4th International Symposium on Electrical and Electronics Engineering, ISEEE 2013, October 11-13, Galati, Romania, Nr. pagini 5, ISBN 978-1-4799-2441-7. WOS:000335153400057. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=62
60. Olteanu A., Stamatescu G., Ionita A., Sgarciu V., Enhanced Data Integration for LabVIEW Laboratory Systems, pp. 1-6, 8th International Symposium on Advanced Topics in Electrical Engineering, ATEE 2013, ISBN: 978-1-4673-5979-5, Bucharest. WOS:000332928500189. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=63
61. Strutu M., Stamatescu G., Popescu D., A Mobile Sensor Network Based Road Surface Monitoring System, International Workshop on Systems Safety & Security for Automotive, Passengers & Goods Protection, IWSSS 2013, October 11-13, Sinaia, Romania, pp. 630-634, ISBN 978-1-4799-2228-4. WOS:000330660500099. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=64
62. Ion I., Curaj A., Borangiu T., Vasile A., Stamatescu G., Some Aspects of the Movement MERO Modular Walking Robot on Unarranged Terrain, Adaptive Mobile Robotics: Proceedings of the 15th International Conference on Climbing and Walking Robots and the Support Technologies for Mobile Machines, CLAWAR 2012, Baltimore, USA, pp. 343-35, ISBN 978-981-4415-94-1. WOS:000352212900045. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=65
63. Stamatescu G., Romer K., Ludwig R., Ibrahim S., Sgarciu V., Work in Progress: MiceNet: Monitoring Behaviour of Laboratory Mice with Sensor Networks, IEEE DCOSS 2011, Barcelona, Spain, Nr. pagini 3, DOI 10.1109/DCOSS.2011.5982197. WOS:000299427700061. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=66
64. Filipescu A., Susnea I., Filipescu A., Stamatescu G., Distributed System of Mobile Platform Obstacle Avoidance and Control as Robotic Assistant for Disabled and Elderly, International Conference on Control and Automation, IEEE ICCA 2009, pp.1886-1891, Christchurch, New Zealand, ISBN 9781424447060. WOS:000280542300328. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=69
65. Filipescu A., Susnea I., Filipescu S., Stamatescu G., Wheeled Mobile Robot Control Using Virtual Pheromones and Neural Networks, International Conference on Control and Automation, IEEE ICCA 2009, pp.157-162, Christchurch, New Zealand, 9-11/December/2009, ISBN 9781424447060. WOS:000280542300027. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=67
66. Paraschiv N., Baiesu A., Stamatescu G., Using an Advanced Control Technique for Controlling a Distillation Column, International Conference on Control and Automation, IEEE ICCA 2009, pp.581-584, Christchurch, New Zealand, ISBN 9781424447060. WOS:000280542300100. Link:

http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=68

67. Rancea I., Sgarciu V., Stamatescu G., Remote Acquisition Processing and Generation of Digital Signals for a Reversible Counter through LabVIEW Environment, pp.857-858, Annals of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium, ISBN 978-3-901509-70-4. WOS:000282335600429. Link:
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=70
68. Filipescu, A.; Susnea, I.; Filipescu, A.; Stamatescu, G., "Control of mobile platforms as robotic assistants for elderly," in Asian Control Conference, 2009. ASCC 2009. 7th , vol., no., pp.1456-1461, 27-29 Aug. 2009 WOS:000274323100254. Link:
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=71
69. Solea R., Filipescu A., Stamatescu G., Sliding-mode real-time mobile platform control in the presence of uncertainties, Proceedings of the 48th Conference on Decision and Control, IEEE CDC 2009, pp.7747- 7752, Shanghai, China, DOI 10.1109/CDC.2009.5399667, ISBN 978-1-4244-3871-6. WOS:000336893608043. Link:
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=72 Conferinta de top - A
70. Dumitru I., Fagarasan I., Iliescu S.St., Stamatescu G., Arghira N., Barbulea V., A Modular Process Simulator with PLC, Proceedings of the 9th Int. Conf. on Simulation, Modelling and Optimization (SMO), Budapest, Hungary, September 2009, pp 391-394, ISBN 978-960-474-113-7. WOS:000273246400069. Link:
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=73
71. Rancea I., Sgarciu V., Stamatescu G., Remote Monitoring of Parameters for a Pressure Transducer Through Hart Protocol and LabVIEW Environment, pp.1171-1172, Annals of DAAAM for 2008 & Proceedings of the 19th International DAAAM Symposium, ISBN 978-3- 901509-68-1, Vienna, Austria. WOS:000262860100585. Link:
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=74
72. Dumitriu L., Iordache M., Stamatescu G., Boundary Conditions for Multi-tone Steady-state Analysis of Non-linear Integrated Analog Circuits, Proceedings of the 4th European Conference on Circuits and Systems for Communications (ECCSC 2008), pp. 166-171, Bucharest, Romania, ECCSC.2008.4611669 WOS:000259024700026. Link:
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=75
73. Filipescu A., Susnea I., Stancu A., Stamatescu G., Path following, real-time, embedded fuzzy control of a mobile platform pioneer 3-dx, 8th WSEAS International Conference on Systems Theory and Scientific Computation (ISTASC08), Rhodes Island, Greece, 2008, pp.334-335, ISBN 978-960-8764-83-1. WOS:000263293100019. Link:
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=76
74. Filipescu A., Stancu A., Stamatescu G., On-line Parameter Estimation and Adaptive Gain Smooth Sliding Observer-Controller for Robotic Manipulator Control, International Conference on Control and Automation, IEEE ICCA 2007, pp.1948-1955, Guangzhou, China, DOI 10.1109/ICCA.2007.4376701. WOS:000257195300009. Link:
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=77
75. Filipescu A., Stancu A., Filipescu S., Stamatescu G., On-line Parameter Estimation in Sliding-mode Control of Pioneer 3-DX Wheeled Mobile Robot, 7th WSEAS International Conference on Systems Theory and Scientific Computation ISTASC07, pp.72-77, Athens, Greece, ISBN 978-960-8457-98-0. WOS:000257305100012. Link:
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E51p3qk7nEQb72gM9Ji&page=2&doc=78

- **Articole în reviste și în volume proceedings de conferințe (indexate BDI)**

1. Nichiforov C., Stamatescu G., Stamatescu I., Fagarasan I., Iliescu S.St., Intelligent Load Forecasting for Building Energy Management Systems, 2018 IEEE 14th International Conference on Control and Automation (ICCA) June 12-15, 2018. Anchorage, Alaska, USA. BDI: IEEE Xplore <https://ieeexplore.ieee.org/abstract/document/8444311>
2. Filipescu A., Solea R., Filipescu A. Jr., Stamatescu G., Ciubucciu G., Trajectory-Tracking Sliding-Mode Control of the Autonomous Wheelchair Modeled as a Nonholonomic WMR, 2018 IEEE 14th International Conference on Control and Automation (ICCA) June 12-15, 2018. Anchorage, Alaska, USA. BDI: IEEE Xplore <https://ieeexplore.ieee.org/abstract/document/8444335/>
3. G. Stamatescu, D. Popescu and I. Stamatescu, "Modeling for deployment techniques for intra-car wireless sensor networks," System Theory, Control and Computing (ICSTCC), 2014 18th International Conference, Sinaia, 2014, pp. 501-505. doi: 10.1109/ICSTCC.2014.6982466, BDI: IEEE Xplore, <http://ieeexplore.ieee.org/abstract/document/6982466/>
4. Stamatescu G., Sgarciu V., Integration of Wireless Sensor Networks with Virtual Instrumentation in a Residential Environment, UPB Scientific Bulletin, Series C Electrical Engineering and Computer Science, 75(2), pp. 41-52, ISSN 1454-234x, 2013. BDI: Scopus, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84878522397&partnerID=40&md5=e313c5aaf7e747169080468e029c93f9>
5. Stamatescu G., Popescu D., Sgarciu V., MICARES: Mote Expansion Module for Gas Sensing Applications, 7th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS 2013, September 12-14, Berlin, Germany, pp. 504-508, ISBN 978-1-4799-1429-6. BDI: IEEE Xplore, <http://ieeexplore.ieee.org/abstract/document/6662736/>
6. Maciuca A., Popescu D., Strutu M., Stamatescu G., Wireless Sensor Network Based on Multilevel Femtocells for Home Monitoring, 7th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS 2013, September 12-14, Berlin, Germany, pp. 499-503, ISBN 978-1-4799-1429-6. BDI: IEEE Xplore <https://ieeexplore.ieee.org/document/6662735/>
7. Maciuca A., Stamatescu G., Popescu D., Strutu M., Integrating Body and Ambient Sensors into a Hybrid Femtocell Network for Home Monitoring, 2nd International Conference on Systems and Computer Science, ICSCS 2013, Villeneuve d'Ascq, France, pp. 32-37, ISBN 978-1-4799-2021-1. BDI: IEEE Xplore <http://ieeexplore.ieee.org/abstract/document/6662735/>
8. Stamatescu G., Sgarciu V., Evaluation of Wireless Sensor Network Monitoring for Indoor Spaces, International Symposium on Instrumentation & Measurement, Sensor Network and Automation, IMSNA 2012, Sanya, China, pp. 107-111. ISBN 978-1-4673-2467-0. BDI: IEEE Xplore, <http://ieeexplore.ieee.org/abstract/document/6324525/>
9. Stamatescu G., Sgarciu V., Stamatescu S., PC-Based System for Level Transducer Interfacing, Proceedings of the First International Conference on Sensor Device Technologies and Applications, SENSOR- DEVICES 2010, Venice, Italy, DOI 10.1109/SENSORDEVICES.2010.23, ISBN 978-1-4244-7474-5. BDI: IEEE Xplore, <http://ieeexplore.ieee.org/abstract/document/5632114/>
10. Airimitoiaie T.B., Popescu D., Dimon C., Stamatescu G., Robust Control Optimization for Thermo-energetic Installations, Proceedings of the IFAC CAO 2009 Workshop, Finland, DOI 10.3182/20090506-3-SF-4003.00006, ISBN 978-3-902661-42-5. BDI: ScienceDirect, <http://www.sciencedirect.com/science/article/pii/S1474667015366696>
11. Filipescu A., Stancu A., Filipescu S., Stamatescu G., Real-time Sliding-mode Adaptive Control of a Mobile Platform Wheeled Mobile Robot, 17th World Congress, The International Federation of Automatic Control, Seoul, Korea, July 6-11, 2008, pp.4393-4399, DOI 10.3182/20080706-5-KR-1001.0881. BDI: ScienceDirect, <http://www.sciencedirect.com/science/article/pii/S1474667016396379>

Lista granturilor și contractelor de cercetare (2000-2018)

- **Internaționale**

1. Grant de cercetare Fulbright Visiting Scholar 2015-2016 Titlu: "Pervasive Building Energy Monitoring and Control over Reliable Wireless Sensor Networks" (ENERGY-WSN), Durata: 6 luni, Octombrie 2015 - Martie 2016, University of California, Merced - ANDES lab, Finantat de:

Departamentul de stat al SUA - contract nr. 586/24.08.2015 [22185 USD], Responsabil grant: S.I. Dr. Ing. Grigore Stamatescu. Link: <https://www.cies.org/grantee/grigore-stamatescu>

2. Proiect "Dynamische SW-Architekturen in Steuergeräten"/"Dynamic Software Architectures in Control Devices" (DynaS3), BMBF Grant FKZ1752X07, Laboratory for Safe and Secure Systems (LaS3), FH Regensburg, Germania. Membru

• Naționale

1. Grant de cercetare de excelență Titlu: "Noi algoritmi de consens dinamic pentru managementul termic al cladirilor" (CONSENSYS), Competiție proiecte UPB GEX 2015, Contract nr. 20/26.09.2016 [18900 RON], Durata 1 an: Septembrie 2016 - Septembrie 2017, Director de proiect: S.I. Dr.-Ing. Grigore Stamatescu, <http://imtt.pub.ro/cercetare/proiecte/consensys/?lang=en>
2. Cec de inovare „Gateway multi-protocol pentru automatizare deschisa in cladiri inteligente”, nr. PN-III- P2-2.1-CI-2017-0484, Proiect 73CI/2017 [50000 RON], Director de proiect: Conf. Dr. Ing. Grigore Stamatescu, Executant: Universitatea Politehnica din Bucuresti, Beneficiar AVITECH CO SRL Perioada de desfasurare: 07.2017-12.2017 <http://imtt.pub.ro/cercetare/proiecte/openbms/?lang=en>
3. PN-III-P2-2.1-BG-2016- 0234 "Sistem Avansat de conducere a proceselor pentru Specializare Inteligenta in Domeniul energetic" (ASID), <http://shiva.pub.ro/cercetare/asid/>, 2016-2018. Membru
4. PN-III-P2-2.1-BG-2016- 0387 Sistem de Automatizare si Telemetrie Eficient energetic pentru managementul Resurselor in Agricultura de precizie" (SA-TERRA), <http://shiva.pub.ro/cercetare/saterra/>, 2016-2018. Membru
5. Sistem multi-dronă de evaluare a efectelor inundațiilor (SIMUL), Proiect Bridge BG49, Director de proiect: Prof.dr.ing. Dan Popescu, Perioada de desfășurare: 2016- 2018. Membru
6. Sistem robotic integrat aerian multiagent pentru explorarea regiunilor de interes terestre (MAARS), National Program STAR, Proiect 185/2017, Director de proiect: Prof.dr.ing. Dan Popescu, Perioada de desfășurare: 2017-2019. Membru
7. Conducerea inteligenta si distribuita a 3 sisteme autonome complexe integrate in tehnologii emergente pentru asistare personala medico-sociala si deservire de linii de fabricatie flexibila de precizie (CIDSACTEH) - PN-III-P1-1.2-PCCDI-2017-0290, contract 78PCCDI/01.03.2018, Responsabil de proiect UPB: Prof.dr.ing. Radu Dobrescu, Perioada de desfășurare: 2018-2020. Membru
8. „Rețea de noduri multisenzoriale inteligente pentru monitorizare indoor”, nr. PN-III- P2-2.1-CI-2017-0508, Proiect 100CI/2017, Director de proiect: Ichim Loretta, Executant: Universitatea Valahia din Targoviste, Beneficiar SOCIETATEA DE INGINERIE SISTEME SIS S.A. Perioada de desfasurare: 07.2017-12.2017 <http://smard.valahia.ro/>. Membru
9. Sistem integrat de monitorizare inteligentă, UAV–WSN–IoT, pentru agricultura de precizie (MUWI) no. 1224/2018 UPB, subsidiar al proiectului NETIO - UEFISCDI, Director de proiect: Prof.dr.ing. Dan Popescu, Perioada de desfășurare: 2018-2020. Membru
10. Cec de inovare “Sistem pentru monitorizarea indoor a calității aerului prin rețele de senzori wireless” – MICARES, UEFISCDI cod PN-II-IN-CI-2012-1-0254. Membru
11. Cec de inovare “Sistem de reglare a irigării bazat pe monitorizarea umidității solului” - SIRIUS, UEFISCDI cod PN-II-IN-CI-2012-1-0179. Membru
12. Proiect de cercetare “Sistem inteligent de asistare a deciziilor aplicat în rețele electrice de joasă tensiune cu producere distribuită din surse de energie regenerabilă” – InDeSEn, PN-II-PT-PCCA-2011-3.2, <http://indesen.ats.com.ro>, 2012-2016. Membru
13. Proiect de cercetare “New Innovative System for Radiation Safety of Patients Investigated by Radiological Imaging Methods, based on Smart Cards and PKI Infrastructures” – SRSPIRIM, Contract de finantare UEFISCDI 187/26.07.2012. Membru
14. Proiect de cercetare, “Sistem robotic multisenzorial pentru monitorizarea aeriană a sistemelor de infrastructuri critice”, MUROS, Programul STAR al Agenției Spațiale Române – ROSA, Competiția C2, Contract 71/2013, <http://imtt.pub.ro/muros/?lang=en>, 2013-2016. Membru
15. Proiect de cercetare “Servicii medicale electronice eficiente și sigure bazate pe infrastructuri PKI și smart-card-uri – SMESIS”, Contract CNMP nr. 12125/01.10.2008. Membru

16. Proiect de cercetare "Platformă informatică integrată pentru managementul securizat al datelor personale bazată pe smart-card-uri și infrastructuri PKI – PLATSEC", Contract CNMP nr. 82105/01.10.2008. Membru

Lista brevetelor (2000-2018)

- **Naționale**

1. Fagarasan, I., Stamatescu, I., Stamatescu, G., Iliescu, S., Arghira, N., "Simulator inteligent de procese industriale" Publicat 30.06.2011//6/2011, RO126447-A2, Brevet acordat 126447B1 din 31.10.2018, OSIM, 2018.