

## LISTA DE LUCRĂRI

**Candidat: STAMATESCU S. Grigore**

<sup>0</sup> Lista celor mai relevante 10 lucrari pentru realizările profesionale proprii (cf. *Metodologie privind ocuparea posturilor didactice și de cercetare vacante*, UPB, 2018), ordonate cronologic.

1. **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.
2. **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
3. **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
4. **Stamatescu G.**, Stamatescu I., Drăgana C. and Popescu D., "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
5. **Stamatescu G.** and Cerpa A., "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
6. Pricop E., **Stamatescu G.** (co-Editors), Recent Advances in Systems Safety and Security, Springer, Iunie 2016. ISBN 978-3-319-32523-1
7. 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, ISSN: 1996-1073, DOI: 10.3390/en10010118, WOS:000392422500117 Q2 - ENERGY & FUELS
8. **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
9. Popescu D., Dragana C., Stoican F., Ichim L., **Stamatescu G.**, A Collaborative UAV-WSN Network for Monitoring Large Areas, Sensors 2018, 18, 4202. WOS:000454817100121 Q2 - INSTRUMENTS & INSTRUMENTATION
10. **Stamatescu G.**, Stamatescu I., Arghira N., Fagarasan I., Data-driven Modelling of Smart Building Ventilation Subsystem, Article ID 3572019, 14 pages, Journal of Sensors, 2019. WOS:000462427300001 Q2 - ENGINEERING ELECTRICAL & ELECTRONIC Q2 - INSTRUMENTS & INSTRUMENTATION

Profil on-line Publons - lucrari indexate Thomson ISI/CPCI:

<https://publons.com/researcher/1380318/grigore-stamatescu/publications/>

Profil on-line Google Scholar - lucrări indexate BDI și indicatori scientometrici:

<http://scholar.google.com/citations?user=8Vs11vkAAAJ&hl=en>

**T. Stamatescu G.**, *Improving Life and Work with Reliabile Wireless Sensor Networks*, Universitatea „Politehnica” din București, Septembrie 2012, Conducător științific: Prof. Dr. Ing. Valentin Sgârciu, Data susținerii publice: 19.10.2012, Calificativ: Foarte bine.

2<sup>0</sup> Cărți publicate (Ca, Cb, Cc), îndrumare publicate (I1, I2 etc.), capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcționale etc. (D1, D2 etc.), după caz, prin care se aduc contribuții la asigurarea și perfecționarea activităților didactice/profesionale.

**Ca.** Popescu D., **Stamatescu G.**, Strutu M., Maciucă A., *Aplicatii ale rețelelor de senzori multi-nivel in monitorizarea ambientală*, POLITEHNICA PRESS, ISBN 978-606-515-503-9, Bucuresti, 2015, cod CNCISIS editura: 19.

**Cb.** Pricop E., **Stamatescu G.** (co-Editors), *Recent Advances in Systems Safety and Security*, Springer, Iunie 2016. ISBN 978-3-319-32523-1

**I1.** **Stamatescu G.**, Dumitru I., Buta V., coord. Prof. Jora B., *Metode Numerice – Culegere de probleme*, MatrixRom, 2006, ISBN 978-973-755-106-1

**I2.** Făgărășan I., **Stamatescu G.**, Dumitru I., Arghira N., *Acționări electrice și electronice ale motorului electric. Descriere și experimente. Îndrumar de laborator.*, CONSPRESS, ISBN 978-973-100-224-8, București, 2012

**I3.** Făgărășan I., **Stamatescu G.**, Dumitru I., Arghira N., *Automatizări. Scheme de comandă. Circuite logice secvențiale. Panou didactic LOGO. Descriere și experimente. Îndrumar de laborator.*, CONSPRESS, ISBN 978-973-100-226-2, București, 2012

**I4.** **Grigore Stamatescu**, Cristina Nichiforov, *Prelucrarea Informației. Îndrumar de laborator*, Bucuresti, Editie Online PDF, 2019. ISBN: 978-973-0-29516-0. Disponibil on-line: [https://shiva.pub.ro/new/wp-content/uploads/2019/05/material\\_pi.pdf](https://shiva.pub.ro/new/wp-content/uploads/2019/05/material_pi.pdf).

**D1.** Sgârciu V., **Stamatescu G.**, *Distance Process Monitoring using LabVIEW Environment*, în *LabVIEW – Modeling, Programming and Simulations* (Ed. Riccardo de Asmundis), InTech, 2011, ISBN 978-953-307-521-1

**D2.** 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 multifunctionale in Automatizari si Instrumentatie*, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana, Matrix Rom, 2013, ISBN 978-606-25-0025-2, cod CNCISIS editura: 39.

**D3.** Dragomir F., **Stamatescu G.**, Fagarasan I., *Modelarea si 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, Bucuresti, Romania, cod CNCISIS editura: 39.

**D4.** Dragomir F., **Stamatescu G.**, Dragomir O., Stamatescu I., Arghira N., *Modelarea si simularea bateriilor de acumuloare (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, Bucuresti, Romania, cod CNCISIS editura: 39.

**D5.** Stamatescu I., **Stamatescu G.**, Tudor V., *Algoritmi genetici (Capitolul 6) in Modelarea Și Simularea Rețelelor De Joasă Tensiune Cu Producere Din Surse Distribuite De Energiei*, Coordonatori: Florin Dragomir, Sergiu Stelian Iliescu, MatrixROM, 2015, ISBN 978-606-23-0506-2, Bucuresti, Romania, cod CNCISIS editura: 39.

**D6.** 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 Automatizari si Instrumentatie*, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana, Matrix Rom, 2013, ISBN 978-606-25-0025-2, cod CNCISIS editura: 39.

**D7.** Popescu D., **Stamatescu G.**, Strutu M., Maciucă 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

- D8. 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
- D9. 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

<sup>20</sup> Articole publicate: a) în reviste de specialitate de circulație internațională recunoscute cotate ISI sau indexate în baze de date internaționale specifice domeniului, care fac un proces de selecție a revistelor pe baza unor criterii de performanță (Ris); b) în alte reviste de specialitate de circulație internațională (Rio); c) în reviste din țară recunoscute C.N.C.S.I.S. (Rns); d) în alte reviste de specialitate de circulație națională (Rno); b,c,d-inclusiv indexate în baze de date internaționale recunoscute.

- Ris1. 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, Vol. 75, Iss. 2, pp. 41-52, ISSN 2286-3540, 2013
- Ris2. Ion I., Marin A., Vasile A., Dinu C., Stamatescu G.,** Force Sensing and Control during Movement of the Modular Walking Robot MERO, The Romanian Review Precision Mechanics, Optics & Mechatronics, No.4, pp. 60-67, ISSN 1584-5982, 2013.
- Ris3. Stamatescu G.,** Sterpu G., Sgarciu V., Development of an Intelligent Equipment for Machine Condition Monitoring, AUTOMA, 8-9/2014, pp. 38-39, ISSN 1210-9592, (CZ).
- Ris4. Stamatescu G.,** Stamatescu I., Popescu D., Sgarciu V., Design and Implementation of an Intelligent Expansion Module for Wireless Gas Sensor Networks, Sensors and Transducers, Vol. 187, Issue 4, April 2015, pp. 10-16. ISSN 2306-8515
- Ris5. Sztojanov E., Stamatescu G.,** "Adaptive Neuro-Fuzzy Model Tuning for Early Warning of Financial Crises", Journal of Applied Quantitative Methods, vol.10, no.2., pp.53-63, 2015. ISSN 1842-4562
- Ris6. 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, 2015, DOI 10.4316/AECE.2015.02006 WOS:000356808900006
- Ris7. 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
- Ris8. 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.
- Ris9. 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.
- Ris10. 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.

- Ris11.** 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, ISSN: 1996-1073, DOI: 10.3390/en10010118, WOS:000392422500117 Q2 - ENERGY & FUELS
- Ris12.** **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
- Ris13.** Popescu D., Dragana C., Stoican F., Ichim L., **Stamatescu G.**, A Collaborative UAV-WSN Network for Monitoring Large Areas, Sensors 2018, 18, 4202. WOS:000454817100121 Q2 - INSTRUMENTS & INSTRUMENTATION
- Ris14.** **Stamatescu G.**, Stamatescu I., Arghira N., Fagarasan I., Data-driven Modelling of Smart Building Ventilation Subsystem, Article ID 3572019, 14 pages, Journal of Sensors, 2019. WOS:000462427300001 Q2 - ENGINEERING ELECTRICAL & ELECTRONIC Q2 - INSTRUMENTS & INSTRUMENTATION
- Ris15.** **Stamatescu G.**, Fagarasan I., Sachenko A., Sensing and Data-Driven Control for Smart Building and Smart City Systems, Article ID 4528034, Journal of Sensors, 2019. WOS:000466426200001 Q2 - ENGINEERING ELECTRICAL & ELECTRONIC Q2 - INSTRUMENTS & INSTRUMENTATION
- Rns1.** Iordache M., Dumitriu L., **Stamatescu G.**, *A Numerical Two-Time Approach for RF-IC Analysis*, Annals of the University of Craiova, Electrical Engineering series, No. 30, 2006, ISSN 1842-4805
- Rns2.** Filipescu A., Chetroiu V., **Stamatescu G.**, *Sliding-mode observer-controller for multimachine power systems control*, Scientific Bulletin of Petroleum and Gas University from Ploiești, pp. 28-33, Vol.LVIII, Technical Series, No.1/2006, ISSN 1224-8495
- Rno1.** Iliescu S.St., Făgărășan I., Dumitru I., Arghira N., **Stamatescu G.**, *Sisteme modulare de simulare a conducerii automate a unor procese industriale pentru dotarea platformelor educaționale multifuncționale*, Automatizări și Instrumentație, 01/2010, ISSN 1582-3334
- Rno2.** Sgârciu V., **Stamatescu G.**, Năstase A., *Optimizarea consumului energetic al unui SmartHouse folosind mediul de dezvoltare LabVIEW și tehnologii WSN*, Automatizări și Instrumentație, 5-6/2010, ISSN 1582-3334

3<sup>0</sup> Articole publicate în volumele unor manifestări științifice: a) internaționale recunoscute (cu ISSN sau ISBN) din țară și din străinătate (Vi) și b) naționale (Vn), inclusiv cotate ISI sau indexate în baze de date internaționale.

- Vi1.** 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, CCA 2007, pp.1948-1955, Guangzhou, China, 30/May-1/June/2007, Catalog number: 07EX1625C, ISBN 1-4244-0818-0, DOI 10.1109/ICCA.2007.4376701. WOS:000257195300009
- Vi2.** Filipescu A., Stancu A., Filipescu S., **Stamatescu G.**, *On-line Parameter Estimation in Sliding-mode Control of Pioneer 3-DX Wheeled Mobile Robot*, Proceedings of the 7th WSEAS International Conference on Systems Theory and Scientific Computation ISTASC'07, pp72-77 in Vouliagmeni Beach, Athens, Greece, August 24-26, 2007. ISSN 1790-5117, ISBN 978-960-8457-98-0, Proceedings + Book published by WSEAS Press. WOS:000257305100012
- Vi3.** 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, ISSN 1726-9679, Published by DAAAM International, Vienna, Austria. WOS:000262860100585
- Vi4.** Dumitriu L., Iordache M., **Stamatescu G.**, *Boundary Conditions for Multi-tone Steady-state Analysis of Non-linear Integrated Analog Circuits*, Proceedings of the 4<sup>th</sup> European

- Conference on Circuits and Systems for Communications (ECCSC 2008), pp. 166-171, Bucharest, Romania, DOI 10.1109/ECCSC.2008.4611669. WOS:000259024700026
- Vi5.** 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 (ISTASC'08), Rhodes (Rodos) Island, Greece, August 20-22, 2008, pp.334-335, ISBN 978-960-8764-83-1, ISSN 1790-3865, Published by WSEAS Press. WOS:000263293100019
- Vi6.** Filipescu A., Stancu A., Filipescu S., **Stamatescu G.**, *Real-time Sliding-mode Adaptive Control of a Mobile Platform Wheeled Mobile Robot*, Proceedings of the 17th World Congress, The International Federation of Automatic Control, Seoul, Korea, July 6-11, 2008, pp.4393-4399, ISBN 978-1-1234-7890-2, DOI 10.3182/20080706-5-KR-1001.0881, Elsevier IFAC Publication
- Vi7.** 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
- Vi8.** Airimițoiaie 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
- Vi9.** Dumitru I., Făgărășan I., Iliescu S.St., **Stamatescu G.**, Nicoleta A., Veronica B., *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
- Vi10.** Rancea I., Sgârciu 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, ISSN 1726-9679, Published by DAAAM International, Vienna, Austria. WOS:000282335600429
- Vi11.** **Stamatescu G.**, Deubzer M., Popescu D., Mottok J., *Migration Overhead in Multiprocessor Scheduling*, pp.645-654, Proceedings of the ESE Kongress 2009, Sindelfingen, Vogel Business Media GmbH & Co. KG, ISBN 978-3-8343-2402-3
- Vi12.** Paraschiv N., Băieșu 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, 9-11/December/2009, ISBN 9781424447060. WOS:000280542300100
- Vi13.** 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
- Vi14.** 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, 9-11/December/2009, ISBN 9781424447060. WOS:000280542300328
- Vi15.** Șolea 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 CDC.2009.5399667, ISBN 978-1-4244-3871-6. WOS:000336893608043
- Vi16.** **Stamatescu G.**, Sgârciu V., Stamatescu S., *PC-Based System for Level Transducer Interfacing*, Proceedings of the First International Conference on Sensor Device Technologies and Applications, SENSORDEVICES 2010, Venice, Italy, DOI 10.1109/SENSORDEVICES.2010.23, ISBN 978-1-4244-7474-5
- Vi17.** Olteanu A., Ionita A., **Stamatescu G.**, Sgârciu V., Ionescu T., Cernian A., *Model Based Educational Content for Pressure Measurement Experiments*, Proceedings of the 18th International Conference on Control Systems and Computer Science, CSCS18, May 2011, Vol. 2, pp. 687-692, Bucharest, Romania, ISSN 2066-4451

- Vi18.** Dumitru I., **Stamatescu G.**, Făgărășan I., Iliescu S.St., *Dynamic Management Techniques for Increasing Energy Efficiency within a Data Center*, Proceedings of the First UNITE Doctoral Symposium, 27-28 June 2011, Bucharest, Romania, pp.129-133, PRINTECH, ISSN 2247-6040
- Vi19.** **Stamatescu G.**, Römer K., Ludwig R., Ibrahim S., Sgârciu V., *Work in Progress: MiceNet: Monitoring Behaviour of Laboratory Mice with Sensor Networks*, IEEE DCSS 2011, Barcelona, Spain, DOI 10.1109/DCSS.2011.5982197. WOS:000299427700061
- Vi20.** Cernian A., Olteanu A., Mateescu G., Vladescu M., **Stamatescu G.**, Ropot A., Pleșca C., Togan M., Sgârciu V., Cârstoiu D., Saru D., Anghel M., Oană A., *The Design and Implementation of an Experimental Model for Secure Management of Personal Data based on Electronic Identity Card and PKI Infrastructure*, 14th IFAC Symposium on Information Control Problems in Manufacturing, INCOM 2012, Bucharest, Romania
- Vi21.** Olteanu A., Cernian A., **Stamatescu G.**, Mateescu G., Vladescu M., Ropot A., Pleșca C., Togan M., Sgârciu V., Cârstoiu D., Saru D., Anghel M., Oană A., *The Design and Validation of an Experimental Model for the Secure and Efficient Medical Services based on PKI Infrastructures and Smart-cards*, 14th IFAC Symposium on Information Control Problems in Manufacturing, INCOM 2012, Bucharest, Romania
- Vi22.** Ion I., **Stamatescu G.**, *Motion Simulation of the Modular Walking Robot MERO using Force and Attitude Sensors*, Proceedings of the 2012 International Conference on Modeling, Simulation & Visualization Methods, MSV2012, Las Vegas, USA, ISBN 1-60132-226-7
- Vi23.** 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, ISBN 978-981-4415-94-1. WOS:000352212900045
- Vi24.** Khadem M., **Stamatescu G.**, Sgârciu V., *Wireless Measurement Node for Dust Sensor Integration*, Proceedings of the 6th International Conference on Sensor Technologies and Applications, SENSORCOMM 2012, Rome, Italy, ISBN 978-1-61208-207-3
- Vi25.** **Stamatescu G.**, Sgârciu 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
- Vi26.** Olteanu A., **Stamatescu G.**, Ioniță A., Sgârciu V., *Enhanced Data Integration for LabVIEW Laboratory Systems*, Proceedings of the 8th International Symposium on Advanced Topics in Electrical Engineering, ATEE 2013. WOS:000332928500189
- Vi27.** Ion I., Curaj A., Vasile, A., Dumitru I., **Stamatescu G.**, *Force Sensing and Control during Movement and Object Manipulation in MERO Walking Robots*, Nature-Inspired Mobile Robotics: Proceedings of the 16th International Conference on Climbing and Walking Robots and the Support Technologies for Walking Machines, CLAWAR 2013, Sydney, ISBN 978-981-4525-52-7
- Vi28.** Măciucă A., **Stamatescu G.**, Popescu D., Struțu M., *Integrating Body and Ambient Sensors into a Hybrid Femtocell Network for Home Monitoring*, Proceedings of the 2nd International Conference on Systems and Computer Science, ICSCS 2013, Villeneuve d'Ascq, France, pp. 32-37, ISBN 978-1-4799-2021-1
- Vi29.** Măciucă A., Popescu D., Struțu M., **Stamatescu G.**, *Wireless Sensor Network Based on Multilevel Femtocells for Home Monitoring*, Proceedings of the 7th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, IDAACS 2013, September 12-14, Berlin, Germany.
- Vi30.** **Stamatescu G.**, Popescu D., Sgârciu V., *MICARES: Mote Expansion Module for Gas Sensing Applications*, Proceedings of the 7th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, IDAACS 2013, September 12-14, Berlin, Germany.
- Vi31.** Struțu 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. WOS:000330660500099

- Vi32. 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, ISBN 978-1-4799-2441-7. WOS:000335153400057
- Vi33. 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, ISBN 978-1-4799-2441-7. WOS:000335153400060
- Vi34. Stamatescu I.,** Fagarasan I., **Stamatescu G.,** Arghira N., 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
- Vi35. 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
- Vi36. 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
- Vi37. 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, DOI 10.12753/2066-026X-14-195. WOS:000357197700055
- Vi38. 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, DOI 10.12753/2066-026X-14-127. WOS:000357159300074
- Vi39. 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
- Vi40. 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
- Vi41. Halcu I.,** **Stamatescu G.,** Stamatescu I. and Sgarciu V., "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
- Vi42. Stamatescu G.,** 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
- Vi43. Sztojanov E.,** **Stamatescu G.,** Sztojanov I., Early-warning of Financial Crises based on Fuzzy Logic, Proc. of the 6th International Workshop on Soft Computing Applications, SOFA 2014, 24-26 July, Timisoara, Romania.
- Vi44. Patrascioiu C.,** **Stamatescu G.,** Lazar C., Using the CONVAL Software for the Petrochemical Plant Control Valves Checking. Case Study., 2014 International Conference on Industrial Engineering, INDE, Satorini, Greece, July 19-21.
- Vi45. 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

- Vi46.** Ion I., Gavan M., Curaj A., **Stamatescu G.**, Dinu C., Adaptation to Rough Terrains by using Force Sensing on the MERO Modular Walking Robots, Proc. of the 6th International Conference on Robotics, ROBOTICS, October 2014, Bucharest, Romania.
- Vi47.** Ion I., **Stamatescu G.**, Dinu C., Intelligent Sensing and Motion Control in Robotic Manufacturing Systems, Proc. of the 7th International Conference on Advanced Manufacturing Technologies, ICAMaT, October 2014, Bucharest, Romania.
- Vi48.** **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
- Vi49.** 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
- Vi50.** **Stamatescu G.**, 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
- Vi51.** Halcu I., **Stamatescu G.** and Sgarciu V., "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
- Vi52.** 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
- Vi53.** 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
- Vi54.** 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
- Vi55.** **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
- Vi56.** **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
- Vi57.** Dragana C., **Stamatescu G.**, Popescu D., Binary Consensus-Based Decentralized Algorithm for Event Detection in Large Scale Monitoring Systems, Recent Advances on Systems, Signals, Control, Communications and Computers, pp. 155-160, Budapest, Dec. 2015.
- Vi58.** **Stamatescu G.**, Stamatescu I., Arghira N., Calofir V., Faragarasan I., "Building Cyber-Physical Energy Systems", 2016 5th International workshop on Cyber-Physical Systems (IWOCPS), <https://arxiv.org/abs/1605.06903>
- Vi59.** **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



- Vi60.** Dragana C., **Stamatescu G.**, Dobrin A., Popescu D., Evaluation of Continuous Consensus Algorithm in Border Surveillance Missions, Proc. of the 8th Electronics, Computers and Artificial Intelligence Conference, IWSSS Workshop, June 30th – July 2nd, Ploiesti, Romania.
- Vi61.** Fagarasan, Ioana; Arghira, Nicoleta; Calofir, Vasile; Iliescu, 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
- Vi62.** 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
- Vi63.** **Stamatescu G.** and I. Stamatescu, "Open and closed loop simulation for predictive control of buildings," 2016 24th Mediterranean Conference on Control and Automation (MED), Athens, 2016, pp. 304-309. doi: 10.1109/MED.2016.7536017
- Vi64.** 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, 13-15 October, Sinaia, Romania.

5<sup>0</sup> Brevete de invenție (B1, B2 etc.).

**B1.** Făgărășan I., Iliescu S. S., **Stamatescu G.**, Dumitru I., Arghira N., *Simulator inteligent pentru procese industriale*, Cerere A 2009 00756/24.09.2009, Publicat 30.06.2011//6/2011, Oficiul de Stat pentru Invenții și Mărci – OSIM

Cereri de brevet depuse:

- **Stamatescu G.**, Popescu D., Sgarciu V., *Metodă și dispozitiv electronic de extensie cu senzori de gaze electrochimici pentru noduri senzoriale inteligente*, Cerere A00206/8.03.2013, Oficiul de Stat pentru Invenții și Mărci – OSIM

6<sup>0</sup> Proiecte de cercetare-dezvoltare-inovare : a) obținute prin competiție pe bază de contract/grant în țară/străinătate (Pn – naționale, Pi – internaționale) ; b) alte lucrări de cercetare-dezvoltare (F1, F2, etc.), după caz.

**Pi1.** Proiect de cercetare, *Dynamische SW-Architekturen in Steuergeräten / Dynamic Software Architectures for Control Devices*, Grant FKZ1752X07, Ministerul Federal al Educației și Cercetării al Republicii Federale Germania (BMBF), Laborator for Safe and Secure Systems (LaS<sup>3</sup>), FH Regensburg, Martie – Iunie 2013, Asistent de cercetare.

**Pi2.** 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.l. Dr. Ing. Grigore Stamatescu

**Pn1.** Proiect de dezvoltare instituțională co-finanțat din fonduri europene , POSDRU/86/1.2/S/63806, Rețea națională de centre pentru dezvoltarea programelor de studii cu rute flexibile și al unor instrumente didactice la specializarea licență și masterat, din domeniul Ingineria Sistemelor, 2010-2013, Expert pe termen lung.

**Pn2.** 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, 2011.

**Pn3.** 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, 2011, Specialist.

- Pn4.** Cec de inovare, *Sistem de reglare a irigării bazat pe monitorizarea umidității solului - SIRIUS*, UEFISCDI cod PN-II-IN-CI-2012-1-0179, Iulie 2012 – Decembrie 2012, Cercetător.
- Pn5.** 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, Septembrie 2012 – Martie 2013, Cercetător.
- Pn6.** Grant de dezvoltare instituțională co-finanțat din fonduri europene, POSDRU/109/2.1/G/82454, *Vreau să fac practică ca să devin un inginer căutat*, 2012-2013, Cadru didactic supervisor.
- Pn7.** 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, 2012-2016, Inginer de cercetare.
- Pn8.** Proiect de cercetare, *New Innovative System for Radiation Safety of Patients Investigated by Radiological Imaging Methods, based on Smart Cards and PKI Infrastructures – SRSPRIM*, Contract de finanțare UEFISCDI 187/26.07.2012, 2012-2015, Inginer de cercetare.
- Pn9.** 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
- Pn10.** PN-III-P2-2.1-BG-2016- 0318 "Sistem multi-drona de evaluare a efectelor inundatiilor" (SIMUL), 2016-2018
- Pn11.** 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
- Pn12.** 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
- Pn13.** 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>
- Pn14.** Cec de inovare, *Gateway multi-protocol pentru automatizare deschisa in cladiri inteligente – OPENBMS*, PN-III-P2-2.1-CI-2017-0484/ contract 73CI, \$12,658. [www.imtt.pub.ro/cercetare/proiecte/openbms](http://www.imtt.pub.ro/cercetare/proiecte/openbms) **Director de proiect**
- Pn15.** *Data-driven Modelling of Complex Manufacturing Systems – DAMS*, Complexity Science Hub, Vienna și Universitatea Tehnică din Graz, Joint Excellence in Science and the Humanities Grant Program of the Austrian Academy of Sciences (ÖAW) **Director de proiect**
- Pn16.** *Intelligent and Distributed Control of Three Complex Autonomous Systems based on Emerging Technologies for Medical and Social Assistance and Precision Flexible Assembly Lines – CIDSDACTECH*, UEFISCDI PCCDI Call 2017, Project No. 78. Cercetător
- Pn17.** *Integrated System for Intelligent Monitoring based on UAV-WSN-IoT in Precision Agriculture – MUWI*, Proiect POC NETIO pentru inovare în domeniul Internet of Things.
- Pn18.** *Integrated Multi-Agent Aerial Robotic System for Exploring Terrestrial Regions of Interest – MAARS*, Romanian Space Agency STAR Program C3-2015. Cercetător

<sup>70</sup> Creații artistice prezentate la manifestări recunoscute (A1, A2, etc.), precum și, după caz, alte lucrări similare – articole publicate în volumele unor manifestări științifice naționale, lucrări prezentate la diferite seminarii/expoziții și nepublicate (E1, E2, etc.), etc.

- E1.** **Stamatescu G.**, *Echipament didactic pentru studiul reglării în buclă închisă a nivelului, debitului și temperaturii*, Atelierul de lucru nr. 1 al proiectului POSDRU/86/1.2/S/63806, 4 Decembrie 2010, Sâmbăta de Sus, România.
- E2.** Diaconu C., Mitrache A., **Stamatescu G.**, *Mediul de programare NI LabVIEW folosit în reglarea proceselor de debit, nivel și temperatură*, Conferința National Instruments NIDays 2011, 3 Noiembrie 2011, București, România.
- E3.** **Stamatescu G.**, Sterpu G., *Studiul și dezvoltarea tehnicilor de conducere în ingineria sistemelor folosind platforma integrată ASTANK-2*, Atelierul de lucru nr. 3 al proiectului POSDRU/86/1.2/S/63806, 22 Septembrie 2012, Cluj-Napoca, România.
- E4.** **Stamatescu G.**, *Experiența implementării programului LabVIEW Academy la Universitatea „Politehnica” din București*, Conferința National Instruments NIDays 2012, 30 Octombrie 2012, București, România.
- E5.** **Stamatescu G.**, Dumitrașcu A., Drăgana C., Păduraru A., *Platformă integrată pentru tehnici de conducere în ingineria sistemelor*, Conferința științifică națională CONFERENG 2012, 9 Noiembrie 2012, Facultatea de Inginerie, Universitatea „Constantin Brâncuși”, Tg.-Jiu.
- E6.** **Stamatescu G.**, *Wireless Sensor Instrumentation for Gas Sensing Applications*, Poster Session, IntelliCIS Workshop and Training School, March 4-5 2013, RWTH Aachen.
- E7.** Sterpu G., **Stamatescu G.**, Sgârciu V., *Sistem inteligent de monitorizare a condiției mașinilor bazat pe analiza vibrațiilor*, Conferința National Instruments NIDays 2013, 9 Octombrie 2013, București, România.
- E8.** **Stamatescu G.**, Stagiile de practica, factor cheie în pregătirea inginerilor automatisti, Simpozionul RAILF - Romcontrola, Bucuresti, Romania, 2014, cu Fagarasan I., Iliescu S. St., Stamatescu I., Arghira N. si Calofir V.
- E9.** **Stamatescu G.**, The LabVIEW Academy Program: Effective Academia-Industry Collaboration, National Instruments NIWeek 2015, 3.08.2015, Austin/TX, USA.
- E10.** **Stamatescu G.**, Wireless Sensor Networks for Building Energy Management, Fulbright Outreach Lecturing Fund (OLF), International Technological University, 2.02.2016, San Jose/CA, USA.
- E11.** **Stamatescu G.**, Modelare și control predictiv pentru managementul energiei termice în clădiri inteligente, Seminarul de sisteme ciber-fizice și automatizări avansate, SRAIT - Facultatea de Automatica și Calculatoare, 16 Iunie 2016, Bucuresti, Romania.