

# LISTA DE LUCRĂRI

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## TEZA DE DOCTORAT

- T1) “Contribuții la controlul rețelelor electrice de joasă tensiune cu producere distribuită din surse de energie regenerabilă cu ajutorul regulatoarelor fuzzy”, *Universitatea Politehnica din Bucuresti, conducator stiintific: Prof. Sergiu Stelian ILIESCU, sustinerea publica 30/10/2009.*

## CĂRȚI SI CAPITOLE ÎN CĂRȚI

1. **Dragomir F.** – *Sisteme cu microprocesoare, Suport de curs*, Ed. Valahia University Press, ISBN 978-606-603-135-6, 2015
2. **Dragomir F.**, Dragomir O., Fagarașan I, Arghira N., Stamatescu G., Olariu N., Stamatescu I., Iliescu S.St. - *Modelarea si simularea retelelor de joasa tensiune cu producere distribuita din surse regenerabile de energie*, Ed. MatrixRom, Bucuresti, ISBN 978-606-25-0019-1, 2013
3. Iliescu S.St., Dragomir O., Fagarașan I, **Dragomir F.**, Ștefan V., Arghira N., Stamatescu I., Stamatescu G., Tudor V., Calofir V., Hossu D., Costianu D. - *Tehnici de inteligență artificială folosite în managementul energiei electrice*, Ed. Printech, București, ISBN: 978-606-23-0506-2, 2015
4. **Dragomir F.**, Dragomir O. - *Programarea în limbaj de asamblare a microcontrolerelor*, Ed. MatrixRom, Bucuresti, ISBN 978-973-755-899-2, 2013
5. **Dragomir F.** - *Conducerea inteligentă a rețelelor electrice de joasă tensiune cu producere distribuită*, Ed. Bibliotheca, Târgoviște, ISBN: 978- 973- 712- 578- 1, 2010
6. Dragomir O., **Dragomir F.**, Minca E., Dumitrache C. - *Teoria sistemelor automate. Fundamente teoretice si aplicatii Matlab*, Ed. MatrixRom, Bucuresti, ISBN: 978- 973- 755- 646- 2, 2010
7. Minca E., Dumitrache C., Brezeanu I., Ștefan V., **Dragomir F.**, Dragomir O. - *Conducerea inteligenta a sistemelor automate. Fundamente teoretice*, Ed. MatrixRom, vol. I, Bucuresti, ISBN 978-973-755-565-6, 2010
8. Minca E., Dumitrache C., Brezeanu I., Ștefan V., **Dragomir F.**, Dragomir O. - *Conducerea inteligenta a sistemelor automate. Aplicatii*, Ed. MatrixRom, vol. II, Bucuresti, ISBN 978-973-755-566-3, 2010
9. Soare C., Iliescu S.St., Tudor V., Fagarasanu I., Dragomir O., **Dragomir F.** - *Proiectarea asistata de calculator in Matlab si Simulink. Conducerea avansata a proceselor*, Editura Agir, Bucuresti, ISBN 973-720-092-6978-973-720-092-1, 2006

## ARTICOLE INDEXATE ISI

1. (*ISI Web of Science, Article*) – **Dragomir F.**, Caramida M.S., Dragomir O.E., Minca E. - *Towards neural control of the mobile robots*, Journal of Science and Arts, Vol. 19, Issue 2, pp. 529-540, **Accession Number:** WOS:000473615300025, **ISSN:** 1844-9581
2. (*Q1, ISI Web of Science, Article, Impact Factor: 3.302*) - **Dragomir F.**, Mincă E., Dragomir O.E., Filipescu A. - *Modelling and Control of Mechatronics Lines Served by Complex Autonomous Systems*, Sensors, Vol. 19, Issue 15, Article Number 3266, **ISSN:** 1424-8220, **DOI:** 10.3390/s19153266, **Accession Number:** WOS:000483198900021
3. (*ISI Web of Science, Proceedings Paper*) - Minca E., Filipescu A., Coanda H.G., **Dragomir F.**, Dragomir O.E., Filipescu A. - *Extended Approach for Modelling and Simulation of Mechatronics Lines Served by Collaborative Mobile Robots*, Proceedings of the International Conference on System Theory, Control and Computing –

- ICSTCC 2018, Page(s):335 – 341, 2018, **ISSN:** 2372-1618, **ISBN:**978-1-5386-4444-7, **DOI:** [10.1109/ICSTCC.2018.8540713](https://doi.org/10.1109/ICSTCC.2018.8540713), **Accession Number:** WOS:000465109800055
4. (*ISI Web of Science, Proceedings Paper*) – Minca E., Coanda H.G, **Dragomir F.**, Dragomir O. Filipescu A. - *Cycle time optimization of a reversible A/DML served by a mobile robotic system*, Proceedings of the 19th International Conference on System Theory, Control and Computing, (ICSTCC), pp. 99 – 104, 2015, **INSPEC Accession Number:** 15586591, **Accession Number:** WOS:000382384100017, **ISBN:**978-1-4799-8481-7, **DOI:** [10.1109/ICSTCC.2015.7321276](https://doi.org/10.1109/ICSTCC.2015.7321276)
  5. (*ISI Web of Science, Article*) – **Dragomir F.**, Ivan I.A., Gurgu I.V., Radulescu N.G., Bucurica I.A., Dulama I.D. - *Comsol simulation of electromagnetic field required for a microrobot actuation*, Journal of Science and Arts, 2(43), pp. 523-529, 2018, **Accession Number:** WOS:000436646200024, **ISSN:** 1844-9581
  6. (*ISI Web of Science, Proceedings Paper*) - **Dragomir F.**, Dragomir O.E., Oprea A., Olteanu L., Olariu N., Ursu V. - *Simulation of lithium-ion batteries from a electric vehicle perspective*, The Electric Vehicles International Conference, București, 5-6 October 2017, **Accession Number:** WOS:000427815000014, **ISBN:** 978-1-5386-2382-4
  7. (*ISI Web of Science, Proceedings Paper*) - Dragomir O.E., **Dragomir F** - *Decision support system integrating fuzzy logic and expert system for optimization of smart grid functioning*, Proceedings of International Conference on Control, Decision and Information Technologies (CoDIT 2016), 6-8 April 2016, **Accession Number:** WOS:000386533900034, **ISBN:** 978-1-5090-2188-8, **DOI:** [10.1109/CoDIT.2016.7593558](https://doi.org/10.1109/CoDIT.2016.7593558),
  8. (*ISI Web of Science, Proceedings Paper*) - Dragomir O.E., **Dragomir F.** - *Monitoring and diagnosis system based on fuzzy- multi agent tools*, Proceedings of the 16th SGEM GeoConference on Energy and Clean Technologies, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, pp. 503-509, 2016, **Accession Number:** WOS:000391348600065, **ISBN:** 978-619-7105-63-6, **ISSN:** 1314-2704
  9. (Q2, *ISI Web of Science, Article, Impact Factor: 2.436*) - Dragomir O.E., **Dragomir F.**, Stefan V., Minca E. - *Adaptive Neuro-Fuzzy Inference Systems as a Strategy for Predicting and Controlling the Energy Produced from Renewable Sources*, Energies, 8(11), pp. 13047-13061, 2015, **Accession Number:** WOS:000365686800042, **ISSN:** 1996-1073, **Published:** 17 November 2015
  10. (*ISI Web of Science, Article, Impact Factor: 0.913*) - Dragomir O.E., **Dragomir F.**, Stefan V., Minca E. - *Adaptive Neuro – Fuzzy Inference Systems – an Alternative Forecasting Tool for Prosumers*, Studies in Informatics and Control, Volume 24, Issue 3, pp. 351-360, 2015, **Accession Number:** WOS:000362241800012, **ISSN:** 1220-1766
  11. (*SCIMajor, Computer Science, ISI Web of Science, Proceedings Paper*) - Dragomir O.E., **Dragomir F.**, Radulescu M. - *Matlab Application of Kohonen Self- Organising Map to Classify Consumers' Load Profiles*, Procedia Computer Science, Volume 31, Pages 474–479, 2014, **ISSN:** 1877-0509, **DOI :** 10.1016/j.procs.2014.05.292, **Accession Number:** WOS:000360713800054, **ISSN:** 1877-0509
  12. (*ISI Web of Science, Proceedings Paper*) - Stanescu I.A., Stefan A., Stefan D., **Dragomir F.**, Olariu N., Dragomir O.E. - *Intelligent decision support for Renewable Energy Providers*, Proceedings of the 2014 International Conference on Control, Decision and Information Technologies (CoDIT2014), Page(s): 488 – 492, 2014, **Accession Number:** WOS:000358866300085, **ISBN:** 978-1-4799-6773-5, **DOI :** [10.1109/CoDIT.2014.6996942](https://doi.org/10.1109/CoDIT.2014.6996942)
  13. (*ISI Web of Science, Proceedings Paper*) - **Dragomir F.**, Dragomir O.E., Iliescu S.St., Brezeanu I., Stănescu I. - *Assessment of photovoltaic panels heath using a LabView object oriented application*, Proceedings of the 2014 International Conference on Control Engineering and Automation (ICCEA2014), pp. 711-716, 2014, **Accession Number:** WOS:000351733900113, **ISBN:** 978-1-60595-210-9, **ISSN:** 1022-6680
  14. (*ISI Web of Science, Proceedings Paper*) - Dragomir O., **Dragomir F.** - *NN based Support System for Renewable Energy Forecasting and Integration*, Proceedings of the International Conference on Automation, Quality and Testing, Robotics (AQTR 2014), Page(s): 1 – 6, 22-24 May 2014, Cluj-Napoca, Romania, **Accession Number:** WOS:000346131600074, **ISBN:** 978-1-4799-3732-5, **ISSN:** 1844-7872
  15. (*ISI Web of Science, Proceedings Paper*) - **Dragomir F.**, Dragomir O.E. - *Microrobotics: Present, Challenges, Perspectives*, Proceedings of the 2014 IEEE International Conference on Robotics and Biomimetics (RoBio2014), pp. 1904 – 1909, 2014, Bali, Indonesia, **DOI :** 10.1109/ROBIO.2014.7090614, **Accession Number:** WOS:000380399500317, **ISBN:** 978-1-4799-7397-2

16. *(ISI Web of Science, Proceedings Paper)* - Dragomir O.E., **Dragomir F.** - Developing a Matlab tool for PV systems energy production forecasting using ANFIS, Proceedings of the 14th SGEM GeoConference on Energy and Clean Technologies, Vol. 1, pp. 141-148, 2014, **DOI:** 10.5593/SGEM2014/B41/S17.019, **Accession Number:** WOS:000371089600019, **ISBN:** 978-619-7105-15-5, **ISSN:** 1314-2704
17. *(ISI Web of Science, Proceedings Paper)* - **Dragomir F.**, Dragomir O.E., Arghira N., Calofir V. - Evaluation of PV systems degradation performances, Proceedings of the 14th SGEM GeoConference on Energy and Clean Technologies, Vol. 1, pp. 221-228, 2014, **DOI:** 10.5593/SGEM2014/B41/S17.029, **Accession Number:** WOS:000371089600029, **ISBN:** 978-619-7105-15-5, **ISSN:** 1314-2704
18. *(ISI Web of Science, Proceedings Paper)* - Oprea A., **Dragomir F.**, Dragomir O.E., Olariu N., Olteanu L. - *Monitoring of Electrical Parameters into Island Grid Integrating Renewable Energy Sources*, The 3rd International Conference on Green Building, Materials and Civil Engineering, Book Series: Applied Mechanics and Materials, Volumes 368 - 370, Pages: 346-349, 2013, **Accession Number:** WOS:000339411600069, **ISBN:**978-3-03785-792-2, **ISSN:** 1660-9336
19. *(ISI Web of Science, Proceedings Paper)* - Dragomir O.E., **Dragomir F.** - *Integrated solutions based on neural networks for optimizing energy management in a microgrid*, The 4th International Symposium on Electrical and Electronics Engineering, 11 - 13 October 2013, Galati, Romania, **Accession Number:** WOS:000335153400042, **ISBN:** 978-1-4799-2442-4
20. *(ISI Web of Science, Proceedings Paper)* - **Dragomir F.**, Dragomir O.E., Oprea A. - *Stand-Alone Power System for Monitoring and Control of the Temperature*, Advances in Energy Science and Technology, PTS 1-4, Book Series: Applied Mechanics and Materials, Volume: 291-294 Pages: 2570-2573, 2013, **Accession Number:** WOS:000320478401193, **ISBN:** 978-3-03785-634-5, **ISSN:** 1660-9336
21. *(ISI Web of Science, Proceedings Paper)* - Dragomir O.E., **Dragomir F.**, Stefan V. - *Guideline to choose a forecasting tool with fuzzy logic support*, Proceedings of the 8th IEEE Conference on Industrial Electronics and Applications (ICIEA 2013), Book Series: IEEE Conference on Industrial Electronics and Applications, Melbourne, Australia, 19 – 21 Iunie 2013, Page(s): 595 – 600, **Accession Number:** WOS:000326679200109, **ISBN:** 978-1-4673-6322-8
22. *(ISI Web of Science, Proceedings Paper)* - **Dragomir F.**, Dragomir O.E. - *Improvement of energy consume from hybrid systems integrating renewable energy sources*, Renewable and Sustainable Energy II, PTS 1-4, Book Series: Advanced Materials Research, Volume: 512-515, Pages: 1147-1150, 2012, **Accession Number:** WOS:000312119900223, **ISBN:** 978-3-03785-414-3, **ISSN:** 1022-6680
23. *(ISI Web of Science, Proceedings Paper)* - **Dragomir F.**, Dragomir O.E. - *Distributed Power Generation from Renewable Energy Resources*, Proceedings of UKSim-AMSS 6th European Modelling Symposium on Mathematical Modelling and Computer Simulation (EMS2012), 14 – 16 November 2012, Valletta, Malta, Page(s): 299 - 304, 2012, **Accession Number:** WOS:000392818500049, **ISBN:** 978-0-7695-4926-2, **ISSN:** 2473-3539, **DOI :** [10.1109/EMS.2012.51](https://doi.org/10.1109/EMS.2012.51)
24. *(ISI Web of Science, Proceedings Paper)* - **Dragomir F.**, Dragomir O.E., Minca E. - *Adaptive control access of stand-alone power systems*, The 2nd International Conference on Advances in Energy Engineering, Book Series: Energy Procedia, Volume: 14, Pages: 552-557, 2012, **Accession Number:** WOS:000305958700087, **ISSN:** 1876-6102
25. *(ISI Web of Science, Proceedings Paper)* - Minca E., Dragomir O., **Dragomir F.**, Enache M.A., Radaskin A. - *Assembly-Disassembly Flexible Lines and Collaborative Robots Considered as Hierarchical Systems in Temporal Recurrent Modelling*, Proceedings of the 9th IEEE World Congress on Intelligent Control & Automation (WCICA2011), pg. 69 - 74, June 21-25, 2011, Taipei, Taiwan, **Print ISBN:** 978-1-61284-698-9, **INSPEC Accession Number:** 12145322, **DOI:** [10.1109/WCICA.2011.5970637](https://doi.org/10.1109/WCICA.2011.5970637) **Accession Number:** WOS:000395331000015, **ISBN:**978-1-61284-700-9
26. *(ISI Web of Science, Proceedings Paper)* - Dragomir O., **Dragomir F.**, Minca E. - *Forecasting of renewable energy load with radial basis function (RBF) neural networks*, Proceedings of the 8th International Conference on Informatics in Control, Automation and Robotics, (ICINCO 2011), Volume 2, Noordwijkerhout, The Netherlands, 28 - 31 July, 2011, SciTePress 2011, pages: 409-412, **ISBN:** 978-989-8425-75-1, **Accession Number:** WOS:000392351200067
27. *(ISI Web of Science, Proceedings Paper)* - Dragomir O.E., **Dragomir F.**, Gouriveau R., Minca E. - *Medium term load forecasting using ANFIS predictor*, The 18th IEEE Mediterranean Conference on Control and Automation,

Book Series: Mediterranean Conference on Control & Automation, Pages: 551-556, 2010, **Accession Number:** WOS:000324864700088, **ISBN:** 978-1-4244-8092-0, **ISSN:** 2325-369X

28. (*ISI Web of Science, Proceedings Paper*) - Minca E., Dragomir O., **Dragomir F.** - *Producer-Consumer Distributed Energy Production Systems modeling with a new Approach of Recurrent Synchronized Fuzzy Petri Nets*, The 8th IEEE World Congress on Intelligent Control and Automation, Jinan, China, pg. 1668-1673, 2010, **Accession Number:** WOS:000295959501142, **ISBN:** 978-1-4244-6712-9
29. (*ISI Web of Science, Proceedings Paper*) - **Dragomir F.**, Patric P.C., Dragomir O.E. - *Intelligent Robot with Microcontroller for Avoiding Obstacles*, The 5th International Conference on Robotics and Automation Systems, Book Series: Solid State Phenomena, Volume: 166-167, Pages: 179-184, 2010, **Accession Number:** WOS:000289532000028, **ISSN:** 1012-0394
30. (*ISI Web of Science, Proceedings Paper*) - Minca E., Racoceanu D., Dragomir O., Stefan V., **Dragomir F.**, - *Predictive modelling of the monitoring function. A predictive modelling application for fault states in a manufacturing system*, The 7th IEEE International Conference on Control & Automation, Book Series: IEEE International Conference on Control and Automation ICCA, Vols. 1-3, pp. 1487-1492, 2009, **Accession Number:** WOS:000280542300258, **ISBN:** 978-1-4244-4706-0
31. (*ISI Web of Science, Proceedings Paper*) - Dragomir O., **Dragomir F.**, Minca E. - *An application oriented guideline for choosing a prognostic tool*, Intelligent systems and automation, Book Series: AIP Conference Proceedings, Volume 1107, pp. 257-262, 2009, **Accession Number:** WOS:000265071000042, **ISBN:** 978-0-7354-0642-1, **ISSN:** 0094-243X
32. (*ISI Web of Science, Proceedings Paper*) – Mincă E., Dragomir O., **Dragomir F.**, Istudor I. - *Advanced Methods for Modeling of Monitoring Functions in Hierarchical Systems*, Proceedings of the 17th Mediterranean Conference on Control and Automation (MED'09), pp. 1114-1119, 24-26 Jun. 2009, Thessaloniki, Greece, **Accession Number:** WOS:000280699600191, **ISBN:** 978-1-4244-4684-1

## ARTICOLE INDEXATE BDI

1. (BDI, Scopus) - **Dragomir F.**, Dragomir O.E., Olariu N., Oprea A. - *Power Quality Analysis of Grid Connected PV Power System*, Proceedings of the 18th SGEM GeoConference on Energy and Clean Technologies, 2018
2. (BDI, Scopus) - Dragomir O.E., **Dragomir F.** - *A Multi-Agent System for Energy Management in an Intelligent Microgrid*, Proceedings of the 18th SGEM GeoConference on Energy and Clean Technologies, 2018
3. (BDI, Scopus) - Dragomir O.E., **Dragomir F.** - *Pattern recognition tool for energy consumption profiles identification*, Proceedings of the 17th SGEM GeoConference on Energy and Clean Technologies, Vol. 17, Issue 42, pp. 467-474, 2017
4. (BDI, Scopus) - Lakatoş E.S., **Dragomir F.**, Olteanu L., Oprea A., Măntescu G., Olariu N. - *Modelling and simulation of photovoltaic modules using SPICE/Matlab*, in *Electrotehnica, Electronica, Automatica (EEA)*, vol. 66, no.1, pp. 09-16, 2018, **ISSN:** 1582-5175
5. (BDI, Scopus) - **Dragomir F.**, Dragomir O.E. - *Simulation of a low voltage grid with power generation from renewable energy resources*, *Advanced Materials Research*, Volume 918, Chapter 3: Power, Energy and Environment Engineering, pp. 195-199, 2014, **ISSN:** 1022-6680, **ISBN:** 978-303835075-0, **DOI :** 10.4028/www.scientific.net/AMR.918.195
6. (BDI, Scopus) - **Dragomir F.**, Dragomir O.E. - *Forecasting of photovoltaic power generation by RBF neural networks*, *Advanced Materials Research*, Volume 918, Chapter 3: Power, Energy and Environment Engineering, pp. 200-205, 2014, **ISSN:** 1022-6680, **ISBN:** 978-303835075-0, **DOI :** 10.4028/www.scientific.net/AMR.918.200
7. (BDI, IEEE Xplore) – Dragomir O., **Dragomir F.**, Brezeanu I., Minca E. - *MLP neural network as load forecasting tool on short-term horizon*, Proceedings of the 19th Mediterranean Conference on Control and Automation (MED2011), pp. 1265 – 1270, 20-23 June 2011, Corfu, Grecia, **Print ISBN:** 978-1-4577-0124-5, **INSPEC Accession Number:** 12178648, **DOI:** 10.1109/MED.2011.5982974,
8. (BDI, IEEE Xplore) – Minca E., **Dragomir F.**, Dragomir O., Enache A. - *Temporal Recurrent Modelling Applied to Manufacturing Flexible Lines Served by Collaborative Robots*, Proceedings of the 8th Asian Control Conference (ASCC2011), pp. 749-754, May 15-18, 2011, Kaohsiung , Taiwan, **E-ISBN:** 978-89-956056-4-6, **Print ISBN:** 978-1-61284-487-9, **INSPEC Accession Number:** 12072609
9. (BDI, IEEE Xplore) – **Dragomir F.**, Dragomir O., Minca E. - *A Fuzzy Approach to Intelligent Control of Low Voltage Electrical Networks with Distributed Power from Renewable Resources*, Proceedings of the IEEE International Energy Conference and Exhibition (EnergyCon'10), pg: 606 – 611, 18-22 December 2010, Manama, Bahrain, **Print ISBN:** 978-1-4244-9378-4, **INSPEC Accession Number:** 12007899, **DOI:** 10.1109/ENERGYCON.2010.5771753

10. (BDI, IEEE Xplore) –Minca E., Dragomir O., Brezeanu I., **Dragomir F.** - Improvement of recurrent fuzzy detection/diagnosis functions modeling. A temporal modeling application for fault states in a manufacturing system, Proceedings of the 8th IEEE International Conference on Control & Automation (ICCA'10), pg. 1456-1461, 9-11 June 2010, Xiamen, China, ISSN : 1948-3449, E-ISBN : 978-1-4244-5196-8, Print ISBN: 978-1-4244-5195-1, DOI: 10.1109/ICCA.2010.5524311
11. (BDI, Scopus, IEEE Xplore) – Minca E., Dragomir O., **Dragomir F.**, Stefan V. - Application for manufacturing systems served by collaborative robots monitoring, Proceedings of the IEEE International Conference on Automation and Logistics (ICAL2010), pg: 138 – 143, Hong Kong/Macau, China, 2010, E-ISBN: 978-1-4244-8374-7, Print ISBN: 978-1-4244-8375-4, INSPEC Accession Number: 11556265, DOI: 10.1109/ICAL.2010.5585397
12. (BDI, ScienceDirect) – Dragomir O.E., **Dragomir F.**, Gouriveau R., Minca E. - Forecasting of Renewable Energy Balance on Medium Term, Large Scale Systems: Theory and Applications, (LSS2010), Villeneuve d'Ascq, France, Volume 9 | Part 1, Page: 495-500, 2010, ISBN: 978-3-902661-91-3, ISSN: 1474-6670, DOI: 10.3182/20100712-3-FR-2020.00081
13. (BDI, IEEE Xplore) - Minca E., Dragomir O., **Dragomir F.**, - Improvement of temporal modeling concerning recurrent detection/diagnosis functions, Proceedings of the 29th Chinese Control Conference (CCC2010), pg: 3804 – 3809, 29-31 July 2010, Beijing, China, Print ISBN: 978-1-4244-6263-6, INSPEC Accession Number: 11572358
14. (BDI, IEEE Xplore) – Dragomir O., Gouriveau R., **Dragomir F.**, Minca E., Zerhouni N. - Review of prognostic problem in condition-based maintenance, European Control Conference, 2009, (ECC'09), 23-26 August 2009, pg. 1587-1592, Budapest, Hungary, 2009, ISBN 978-963-311-0, INSPEC Accession Number: 15026692, DOI: 10.23919/ECC.2009.7074633
15. (BDI, IEEE Xplore) – Mincă E., Zemouri R., **Dragomir F.**, Dragomir O. - Hierarchical systems monitoring using recurrent synchronized fuzzy petri nets, European Control Conference, 2009, (ECC'09), 23-26 August 2009, pg. 4775-4779, Budapest, Hungary, 2009, ISBN: 978-3-9524173-9-3, INSPEC Accession Number: 15034312, DOI: 10.23919/ECC.2009.7075155,
16. (BDI, Scopus, ScienceDirect) – Mincă E., Filip F.G., Zemouri R., **Dragomir F.**, Dragomir O. - Advanced methods for modeling the discrete hierarchical systems, Proceedings of the 13th IFAC Symposium on Information Control Problems in Manufacturing (INCOM'09), Volume 13 | Part 1, pg. 1667-1672, 3-5 June, 2009, Moscow, Russia, 2009, ISBN: 978-390266143-2, DOI: 10.3182/20090603-3-RU-2001.00277
17. (BDI, ScienceDirect) – Minca E., Racoceanu D., **Dragomir F.**, Zerhouni N. - A fuzzy approach for discrete event systems recovery, Preprints of the 4th International Conference on Management and control of Production and Logistics (MCPL 2007), Volume 4 | Part 1, pp. 585-590, Sept 2007, Sibiu, Romania, ISBN 978-973-739-481-1, DOI: 10.3182/20070927-4-RO-3905.00097
18. (BDI, ScienceDirect) – Dragomir O., Gouriveau R., Zerhouni N., **Dragomir F.** - Framework for a distributed and hybrid prognostic system, Preprints of the 4th IFAC Conference on Management and Control of Production and Logistics (MCPL 2007), Volume 4 | Part 1, pp: 431-436, Sept 2007, Sibiu, Romania, ISBN: 978-973-739-481-1, DOI: 10.3182/20070927-4-RO-3905.00072
19. (BDI, Google Scholar) - **Dragomir F.**, Dragomir O.E. - Renewable Energy Monitoring Using Arduino - Android Platform, Proceedings of the 11th International Workshop of Electromagnetic Compatibility CEM2018, 2018
20. (BDI, Google Scholar) - Dragomir O.E., **Dragomir F.**, Olariu N., Oprea A. - Comparative Analysis of PV Output Characteristics Focusing on I-V and P-V Curves, Proceedings of the 6th International Conference on “Recent Trends in Engineering and Technology” (RTET-17), April 25-26, Paris, France, 2017
21. (BDI, Google Scholar) - **Dragomir F.**, Dragomir O.E., Olariu N., Oprea A. - Efficiency Optimization of a Standalone PV System Using Dual-MPPT Control, International Journal of Computing, Communications & Instrumentation Engg. (IJCCIE) Vol. 4, Issue 2, pp. 21-26, 2017, ISSN: 2349-1469, EISSN: 2349-1477, DOI: <https://doi.org/10.15242/IJCCIE.AE0417106>
22. (BDI, Google Scholar) - **Dragomir F.**, Dragomir O.E., Ivan M.E., Iliescu S.St., Stănescu I. - Optimal embedded system for two-axis tracking PV panels, Journal of Applied and Physical Sciences, vol. 3(1), pp. 1-6, 2017, ISBN: 978-969-670-885-8, ISSN: 2414-3103, DOI: 10.20474/japs-3.1.1
23. (BDI, Google Scholar) - Dragomir O.E., **Dragomir F.** - Development of user-friendly tool for energy behavioral change of consumers, The Scientific Buletin of Electrical Engineering Faculty, no.1, 2016
24. (BDI, Google Scholar) - Dragomir O.E., **Dragomir F.**, Minca E. - Fuzzy- multi agent hybrid system for decision support of consumers of energy from renewable sources, Proceedings of the International Conference on Mathematical Methods, Mathematical Models and Simulation in Science and Engineering (MMSSE 2015), Vienna, Austria, March 15-17, pp. 343-348, 2015, ISBN: 978-1-61804-287-3, ISSN: 2227-4588
25. (BDI, Google Scholar) - **Dragomir F.**, Ivan A.I, Gurgu V., Rădulescu N., Ivan M. – Innovative system dedicated to microrobots manufacturing, Scientific Bulletin of Electrical Engineering Faculty, Year 15, nr. 2 (25), Pages: 9-13, 2015
26. (BDI, Google Scholar) - **Dragomir F.**, Dragomir O.E., Oprea A., Minca E. - Stand-Alone Power System for Monitoring and Control Access of a Parking, Proceedings of the 18th International Conference on Control Systems and Computer Science, (CSCS18), pg. 123-129, 24-27 Mai 2011, Bucarest, Romania, ISSN: 2066-4451

27. (BDI, Google Scholar) - Dragomir O., **Dragomir F.**, Gouriveau R., Minca E.- Reliability Prediction under Uncertainties using Fuzzy/Possibility Approach (2010), ICSTC 2010 - 14th International Conference on System Theory and Control (Joint conference of SINTES14, SACCS10, SIMSIS14), Sinaia, Romania, pp. 184- 189, ISSN 2068 – 0465
28. (BDI, Google Scholar) - **Dragomir F.**, Iliescu S.St., Dragomir O., Mincă E. - Framework for design of fuzzy logic controllers: application to oil level control in a tank (2009), Proceedings of the 17th International Conference on Control Systems and Computer Science, pp: 81- 86, vol. I, Editura Politehnica Press, 26-29 Mai 2009, (CSCS17), Bucarest, Romania. ISSN: 2066-4451
29. (BDI, Google Scholar) - Minca E., Dragomir O., **Dragomir F.**, Racoceanu D., Olariu N. - Fuzzy Petri networks used for prognosis in optimal analysis of manufacturing systems, (2009), in proceedings of the 17th International Conference on Control Systems and Computer Science, pp: 21- 26, vol. I, Editura Politehnica Press, 26-29 Mai 2009, (CSCS17), Bucarest, Romania, ISSN: 2066-4451
30. (BDI, Scientific.Net, Google Scholar) - **Dragomir F.**, Dragomir O.E., Iliescu S.St., Stefan V. - Improvement of the Load Process of Pb Batteries Connected to a Photovoltaic System, Applied Mechanics and Materials, Volumes 734, Pages: 787-790, 2014, ISSN: 1662-7482, DOI: 10.4028/www.scientific.net/AMM.734.787
31. (BDI, Google Scholar) - **Dragomir F.**, Ivan M., Ivan A. – A framework for mobile microrobots control, Journal Applied Engineering Sciences, Vol. 1, Page(s): 3-8, CRC Press, 2015, ISBN: 978-1-138-02649-0,
32. (BDI, ResearchGate) – **Dragomir F.**, Iliescu S.St., Dragomir O., Minca E., - PV grid connected system with fuzzy intelligent control, Journal of Computer Science and Control Systems, Vol. 2, Nr. 1, pg. 97-101, 2009, ISSN: 1844-6043
33. (BDI, IndexCopernicus) - **Dragomir F.**, Dragomir O.E., Olariu N., Oprea A. – Dedicated software application for modeling and simulation of photovoltaic systems, Scientific Bulletin of Electrical Engineering Faculty, Year 13, nr. 3 (23), Pages: 5-9, 2013, ISSN: 1843-6188
34. (BDI, IndexCopernicus) - **Dragomir F.**, Ivan M., Ivan A. – Mobile microrobotics principles and manufacturing technologies, Scientific Bulletin of Electrical Engineering Faculty, Year 13, nr. 3 (23), Pages: 10-14, 2013, ISSN: 1843-6188
35. (BDI, IndexCopernicus) - Oprea A., **Dragomir F.** – Positioning a PV panel on a rotary axis after maximum light, Scientific Bulletin of Electrical Engineering Faculty, Year 13, nr. 1 (21), Pages: 14-18, 2013, ISSN: 1843-6188
36. (BDI, IndexCopernicus) - **Dragomir F.**, Dragomir O.E., Oprea A., Minca E. – Framework of 3d display leds using of microcontroller and renewable energy sources, Scientific Bulletin of Electrical Engineering Faculty, Year 11 , nr. (1) (15), pp.: 55-58, 2011, ISSN: 1843-6188
37. (BDI, IndexCopernicus) – **Dragomir F.**, Iliescu S.St. – Fuzzy intelligent control for the low voltage electrical networks with distributed power generation from renewable energy resources, Scientific Bulletin of Electrical Engineering Faculty, Vol. 10, nr. 1 (10), (2009), pages: 59-63, ISSN: 1843-6188
38. (BDI, IndexCopernicus) – **Dragomir F.**, Iliescu, S.St., Olariu N., Dragomir, O. – Framework for design of fuzzy logic controllers, Scientific Bulletin of Electrical Engineering Faculty, Vol. 10, nr. 1 (10), 2009, pages: 65-70, ISSN: 1843-6188
39. (BDI, IndexCopernicus) – **Dragomir F.**, Dragomir O., Minca E., - A fuzzy logic control approach of a motor drive with PIC microcontroller, Scientific Bulletin of Electrical Engineering Faculty, Vol. 9, nr. 2 (9), pages: 61-68, ISSN: 1843-6188
40. (BDI, EBSCO) – **Dragomir F.**, Dragomir O., Minca E. - Artificial Intelligence Techniques for Energy Balance Forecasting, Petroleum-Gas University of Ploiesti Bulletin, Technical Series, Vol. LXI, No. 3/2009, pp. 301-306, ISSN: 1224-8495
41. (BDI, EBSCO) – **Dragomir F.**, Olariu N., Iliescu S.St. - Experimental Study for Intelligent Stability Control of Low Voltage Electrical Networks with PD-RES using Fuzzy Controllers, Petroleum-Gas University of Ploiesti Bulletin, Technical Series, Vol. LXI, No. 3/2009, pp. 307-313, ISSN: 1224-8495
42. (BDI, EBSCO) - Minca E., Dragomir O., **Dragomir F.**, Stefan V. - Optimal Fuzzy Analysis of Manufacturing Systems, (2009), Petroleum-Gas University of Ploiesti Bulletin, Technical Series, Vol. LXI, No. 3/2009, pp. 153-160, Ploiesti, Romania, ISSN: 1224-8495
43. (BDI, Google Scholar) – **Dragomir F.**, Dragomir O.E., Olariu N., Oprea A. – Solution based on artificial intelligence in Smart Grid, Proceedings of the 28th European Photovoltaic Solar Energy Conference and Exhibition (EU PVSEC 2013), 30 Sep - 04 Oct 2013, Pages: 3888-3891, ISBN: 3-936338-33-7, Paris, France
44. (BDI, Google Scholar) – **Dragomir F.**, Dragomir O.E., Olariu N., Minca E. - Control Solution Based on Fuzzy Logic for Low Voltage Electrical Networks with Distributed Power from Renewable Resources, Proceedings of the 25th European Photovoltaic Solar Energy Conference and Exhibition (25th EU PVSEC) and 5th World Conference on Photovoltaic Energy Conversion (WCPEC-5), pg: 4988 - 4991, 06–10 September 2010, ISBN: 3-936338-26-4, Valencia, Spain