

**Articole publicate în reviste/ jurnale**

1. S. Florea, **I. Dumitache**, V. Gaburici, **Elemente folosite în tehnica calculului analogic și numeric**, Automatica și Electronica, vol.8, nr.2/1964, pag.73-79
2. S. Florea, **I. Dumitache**, **Elemente de calcul numeric pneumatică, bazate pe interacțiunea curentilor de aer**, Automatica și Electronica, vol.8, nr.3/1964, pag.121-126
3. S. Florea, **I. Dumitache**, **Considerații asupra elementelor de calcul pneumatică, bazate pe interacțiunea jeturilor de aer**, IPB, nr.1/1966
4. S. Florea, **I. Dumitache**, **Calculul organelor de execuție pentru reglarea debitelor de fluid**, Automatica și Electronica, vol.8, nr.2/1966, pag.70-75
5. S. Florea, **I. Dumitache**, **Unele probleme privind dinamica sistemelor hidraulice**, Bul. IPB, nr.6/1967, pag. 101-112
6. S. Florea, **I. Dumitache**, **Amplificatoare fluidice interconectate**, Automatica și Electronica, nr.1/1968, pag.11-16
7. **I. Dumitache**, **Elemente fluidice utilizate în tehnica calculului numeric**, AMC, nr.12/1969, pag. 97-105
8. **I. Dumitache**, **Proiectarea asistată de calculator a echipamentelor și circuitelor numerice**, Automatica și Electronica, 20/1970, nr.4, pag.171-177
10. **I. Dumitache**, **Principii de realizare a sumatoarelor binare fluidice**, Automatica și Electronica, nr.6/1970, pag.254-259
11. **I. Dumitache**, S. Florea, **Sistem de comandă automată cu elemente fluidice**, Construcția de Mașini, nr.4/1971, pag.200-206
12. **I. Dumitache**, **Simulator fluidic de elemente și circuite numerice SELF-1**, Automatica și Electronica, nr.5/1971
13. **I. Dumitache**, **Cercetarea experimentală a elementelor fluidice**, Automatica și Electronica, nr.5/1971
14. S. Florea, **I. Dumitache**, **Echipament fluidic pentru protecția tehnologică a buclei de iradiere a probelor de combustibil nuclear**, Automatica și Electronica, nr.1/1972
15. **I. Dumitache**, **Circuite fluidice comparatoare și de memorie**, Automatica și Electronica, nr.2/1972, pag. 64-69
16. **I. Dumitache**, **Sinteza unor circuite fluidice cu logica de prag**, Buletinul IPB, nr.3/1972, pag.59-67
17. **I. Dumitache**, **Analiza regimului staționar și tranzitoriu a elementelor fluidice numerice**, AMC, nr.19/1973
18. S. Florea, **I. Dumitache**, **Threshold logic by means fluidic elements**, Automatica IFAC, vol.9, Pergamen Press, 1973, pag. 47-52

19. **I. Dumitache**, S. Dumitriu, M. Atodiroaiei, **Algoritm de calcul a sistemelor de calcul automate cu reacție după stare**, Automatica și Electronica, nr.1/1974, pag.13-21
20. **I. Dumitache**, **Algoritm de calcul al timpului de răspuns al unui bistabil fluidic**, Bul.I.P.B., nr.2/1975, pag.51-57
21. **I. Dumitache**, **Proiectarea asistată de calculator a sistemelor fluidice numerice**, Automatica și Electronica, nr.4/1976, pag.171-177
22. **I. Dumitache**, D. Popescu, **Metoda secționării planelor pentru optimizarea sistemelor multivariabile**, Bul.I.P.B., nr.1/1977, pag.67-78
23. **I. Dumitache**, **Sistem de comandă fluidică pentru mașini-unelte**, AMC, nr.22/1977
24. **I. Dumitache**, M. Atodiroaiei, **Limbaj de simulare a sistemelor dinamice SIMSID**, AMC, nr.22/1977, pag.181-188
25. **I. Dumitache**, **Simularea numerică a sistemelor hidraulice**, Buletinul I.P.B., 1978, pag.75-82
26. **I. Dumitache**, D. Popescu, **Metode de gradienți pentru optimizare**, AMC, nr.26/1978
27. **I. Dumitache**, D. Popescu, **Metode de optimizare prin “căutări” fără evaluarea derivatei**, AMC nr.27/1978, pag. 67-102
28. **I. Dumitache**, S. Dumitriu, F. Munteanu, **Automatic Control of Biochemical Fermentation**
29. M. Dumitache, **I. Dumitache**, **Rolul sistemului vizual în relația om-mașină**, Rev. Oftalmologie, nr.4/1979
30. **I. Dumitache**, S. Dumitriu, **Conducerea numerică cu microcalculator a unui fermentator**, Studii de biotecnologie, nr.7/1979, pag.34-45.
31. **I. Dumitache**, D. Streja, **Sistem pupilar studiat cu ajutorul mulțimilor vagi**, Studii și cercetări de biotecnologie, nr.10/1980
32. **I. Dumitache**, M. Mugescu, **Sistemul respirator uman ca sistem adaptiv**, Studii și cercetări de biotecnologie, nr.10/1980
33. **I. Dumitache**, S. Dumitriu, F. Munteanu, **Optimal control algorithms for c.c. motor**,
34. **I. Dumitache**, **Utilizarea calculatoarelor în diagnosticarea automată**, Studii de Biotehnologie, nr.12/1981
35. **I. Dumitache**, S. Dumitriu, **Sintez descretnove algoritma speremeno structuri deia upravlenii tiristornih provodov**, Bul. IPB, seria Electrotehnica, nr.3/1983, pag. 257-262
36. **I. Dumitache** s.a., **Conducerea on-line a proceselor de biosintează-achiziție de date și identificarea cu microcalculator de proces SPOT-80**, Revista de chimie, nr.10/1986, pag.865-869

37. I. Dumitache, F. Munteanu, G. Musca, **Sistem cu microcalculator de proces pentru supravegherea automată a unui bioreactor**, BUL.IPB, Tom. XLVIII, seria Automatica, 1986, pag.11-28
38. C. Spataru, G. Ionescu, I. Dumitache, **Sistem adaptiv cu regulator dead-beat și estimare prin metoda variabilelor instrumentale**, Bul. IPB, 1987, pag.71-84
39. I. Dumitache, I. Mihu, G. Musca, **Nonlinear algorithms for slow processes**, Bul.IPB, seria C.C/1988
40. P. Galan, I. Dumitache, S. Dumitriu, **Modelul matematic simplificat al mașinii sincrone trifazate**, Electrotehnica, Electronica, Automatica, EEA, nr.7/1989, pag.279-285
41. I. Dumitache, I. Mihu, G. Musca, **Non-standard Control Algorithms Implemented on Microprocessor based Digital Controller**, Bul.IPB, 1989
42. I. Dumitache, S. Dumitriu, G. Galan, **Acordarea blocurilor de stabilizare ale regulatoarelor de tensiune al generatorului sincron**, EEA nr.3/1990, pag.126-130
43. I. Dumitache, C. Buiu, **Genetic Algorithms in Process Identification and Control, Studies in Informatics in Control**, vol.3, nr.4, 1994, pag.383-385
44. I. Dumitache, G. Calcev, C. Buiu, **A survey on Tuning techniques in Fuzzy Logic Control**, Bul.I.P.B., Seria Inginerie Electrica, LIV, no 1-2, 1991
45. I. Dumitache, C. Buiu, **Genetic Learning of Fuzzy Controllers**, Mathematics and Computers in Simulation 1610 (1999), pp. 1-14
46. C. Buiu, M. Albu, I. Dumitache, D. Gillet, **Advanced technologies for remote experiments**
47. I. Dumitache, M. Caramihai, **Optimal Fed-Batch Bioprocess Control via Intelligent System Based on Hybrid Techniques**, Control Engineering and Applied Informatics Revue, April 2001, Vol. 3, No. 1, ISSN 1454-8658, pag. 5-14
48. I. Dumitache, **Intelligent Autonomous Systems**, Revue Roumaine des Sciences Techniques, no. 3, pp. 439-454, Bucuresti, 2000
49. C. Buiu, I. Dumitache, F. Mihai, **Advanced technologies to serve robotics education**, Buletinul Științific al Universității "Politehnica" din Timișoara, România, Seria Automatică și Calculatoare (Periodica Politehnica, Transactions on Automatic Control and Computer Science), Vol. 47 (61), pp. 48-51, 2002
50. I. Dumitache, A. M. Stanescu, A. Curaj, S. Caramihai, **Supervisory Control and data acquisition**
51. I. Dumitache, M. Dragoicea, **Neural Mechanisms of Learning and Control in Mobile Robotic Systems**, Buletinul Științific al Universității Politehnica din Timișoara, România, Seria Automatică și Calculatoare, Periodica Politehnica, Transactions on Automatic Control and Computer Science, Vol.48 (62), 2003, ISSN 1224-600X, 2003
52. M. Dragoicea, I. Dumitache, D.S. Cuculescu, **Multi-behavioral model based autonomous navigation of the mobile robots**, International Journal Automation Austria, Vol. 11, Nr.1, pp:1-20, ISSN 1562-2703, 2003

53. C. Buiu, **I. Dumitache**, M. Zainea, **Design and optimization of a fuzzy logic controller for a simulated autonomous robot**, Control Engineering and Applied Informatics, Vol. 5, Nr. 3-4, pp. 55-63, ISSN 1454-8658, 2003
54. A. Cosmescu, **I. Dumitache**, **Multivariable fuzzy controller for the activated sludge process**, Control Engineering and Applied Informatics, Vol. 5, Nr. 3-4, pp. 64-72, ISSN 1454-8658, 2003
55. **I. Dumitache**, M. Dragoicea, **Intelligent Techniques for Cognitive Mobile Robots**, Journal of "Control Engineering and Applied Informatics", 2004, No. 2, Vol. 5, pp: 3-8, ISSN 1454-8658
56. **I. Dumitache**, M. Dragoicea, **Some Problems of Advanced Mobile Robot Control**, Journal of "Control Engineering and Applied Informatics", 2005, No. 4, Vol. 7, pp: 11-30, ISSN 1454-8658
57. S. Olaru, D. Dumur, **I. Dumitache**, **Continuity of Control Laws Based on Multiparametric Linear Programs**, International Journal of Tomography and Statistics, vol. 5, 2006
58. **I. Dumitache**, A. Chirvase, M. Caramihai, **Progress in Characterization Modeling&Control**
59. S. Munteanu, **I. Dumitache**, **The intelligence of a Hybrid System: DiaMed**, CEAJ Journal, vol. 8, nr. 2, pp. 54-60, 2006
60. S. Munteanu, **I. Dumitache**, **Applying DiaMed Hybrid Algorithm to the Diagnosis of Dynamic System**, The Scientific Bulletin of Politehnica University, vol. 68, 2006
61. **Dumitache I.**, **From Model-Based Strategies to Intelligent Control Systems**, WSEAS Trans. on Systems and Control, nr. 6, vol. 3, June 2008, pp. 569-575, ISSN 1991-8763
62. **Dumitache I.**, Iliescu S., Teta P., Fagarasan I., **Towards Autonomous Control of Electrical Power Systems**
63. I. Necoara, **I. Dumitache**, **An accelerated optimization alforithm for distributed model predictive control**, Control Engineering and Applied Informatics, vol. 11, no. 3, pp. 16--23, September 2009, ISSN 1454-8658, pp. 8, impact
64. I. Fadi, **I. Dumitache**, **Optimization of Control Strategy Assignment.A Framework Structure for Multiple Mobile Robots**, Journal of Control Engineering and Applied Informatics, Vol.11, No. 4, 2009, ISSN 1454-8658, pp. 36-44, impact
65. M. Caramihai, **I. Dumitache**, A. A. Chirvase, **Progress in characterization, modeling and control of mobile robots**
66. Fadi Issa, **I. Dumitache**, **Hybrid Geno-Neuro for optimization of Control Solution selection in multi mobile robots**, Buletinul UPB – seria C, numărul 3, anul 2010
67. Olumide OBE, **I. Dumitache**, **Fuzzy Control of Autonomous mobile robots**, Buletinul UPB, seria C, numărul 3, anul 2010
68. Sorin Olaru, Didier Dumur, **I. Dumitache**, **On the feasibility of Constrained generalization in mobile robotics**
69. O. Arsene, **I. Dumitache**, I. Mihu, **Medicine expert system dynamic Bayesian**

**Networks and Ontology based**, Expert Systems with Applications, 38, 15253-15261, ISSN 0957-4

70. I. Necoara, V. Nedelcu, **I. Dumitache, Parallel and distributed optimization methods for estimation and control in networks**, Journal of Process Control, vol.21, nr.5, pp 756-766, 2011

71. I.D. Niculae, **I. Dumitache, Design of embedded systems able to adapt both scheduling and control parameters**, Buletinul U.P.B., seria C, Nr. 4, 2011

72. V. Balanica, **I. Dumitache**, M. Caramihai, **Evaluation of breast cancer risk using fuzzy logic**

73. C.I. Vasile, A.B. Pavel, **I. Dumitache**, Gh. Paun, **On the power of enzymatic numerical methods**

74. B.A.Hanchevici, M.Patrascu, **I. Dumitache**, **A hybrid PID-Fuzzy Control Linear SIS**

75. S.Avram, D.Caragea, **I. Dumitache, A new approach to bibliometrics based on semantic similarity of scientific papers**, Control Engineering and Applied Informatics, ISI indexed vol.14, nr.3, pp.35-43, 2012

76. C.I. Vasile, A.B. Pavel, **I. Dumitache, Universality of Enzymatic Numerical Processing Systems**, International Journal of Computer Mathematics

77. V. Balanica, **I. Dumitache**, L. Preziosi, **Breast Cancer Diagnosis based on Speculation Feature and Network Techniques**, International journal of Computers Communications and Control Vol.8, Issue, pg. 354-365, 2013

78. Adrian Bogdan Hanchevici, **Ioan Dumitache, Robustness of fuzzy optimal control for a class of nonlinear systems**

79. **I. Dumitache, Cyber-Physical-Systems (CPS) – factor determinant în economia bazată pe inovare și cunoștințe** - Revista Română de Informatică și Automatică, vol.23, nr.4, 2013

80. S. Avram, V. Velter, **I. Dumitache, Semantic Analysis Applications in Computational Biometrics** – Control Engineering and Applied Informatics Journal, Vol.16, no.1, pp.62-69, 2014

81. O. Arsene, **I. Dumitache**, Ioana Mihu, **Expert System for medicine diagnosis using software agents** – Expert Systems and Applications, 42(2014), pag 1825-1834

82. D. Repta, M. Moisescu, I. Sacală, **I. Dumitache**, A.M. Stănescu, **Towards the development of a mobile robot for leather processing**

83. S.Guță, **I. Dumitache**, Jadonnis Ioannidis, **Towards the Smart Tannery Enterprise – a case study**

84. S. Guță, **I. Dumitache**, **A multi-agent approach for leather processing monitoring and quality control** – Buletin UPB, seria C, nr.2/2015, pag.17-30

85. V. Vlădăreanu, **I. Dumitache**, L. Vlădăreanu, I. Sacală, M Moisescu, **Versatile Intelligent Portable Robot Control Platform Based on Cyber-Physical- Systems Principles** – Studies in Informatics and Control; Vol.24/2015; pag.409-419

86. Nae, Andrei C. and **Ioan Dumitache, Airborne Collision Avoidance System as a Cyber-Physical System**, INCAS Bulletin 7, no. 4 (2015)

87. Cristian Ioan Vasile, **Ioan Dumitache, Multi-agent membrane system**, Scientific Bulletin UPB, U.P.B. Sci. Bull., Series C, Vol. 78, Iss. 2, 2016 ISSN 2286-3540

88. Cătălin Mircea Dumitrescu, **Ioan Dumitache, Human skin detection using neural network**

89. Ana Brandusa Pavel și **Ioan Dumitache**, **Hybrid numerical p systems**, U.P.B. Sci. Bu
90. **Dumitache, Ioan** and Dragos C. Popescu., **Evolutionary Networks with Generalized Neurons Applied in Battery SoC Estimation**, Romanian Journal of Information Science and Technology, 19, no. 1-2 (2016): 98-115, 2017
91. Octavian Arsene, **Ioan Dumitache**, **Mind as multiresolution system based on multiagents architecture**, Biological Inspired Cognitive Architectures — martie 2017, ([https://www.iournals.elsevier.com/biologically-inspired cognitive-architectures/](https://www.iournals.elsevier.com/biologically-inspired-cognitive-architectures/))
92. Daniela Sârbu, **Ioan Dumitache**, **A Conceptual Framework for Artificial Creativity in Visual Arts**, International Journal of Computers, Communication and Control -N Q 3, 2017 (<http://www.scimagoir.com/iournalsearch.php?q=11800154542&tip=sid>)
93. Daniela Sârbu, **Ioan Dumitache**, **Artificial Creativity with Kinetic Drawing systems based on stochastic motion**, Buletinul UPB, seria C, N e 2, 2017 ([https://www.scientificbulletin.upb.ro/SeriaC\\_Inginerie\\_Electrica\\_si\\_Stiinta\\_Calculatoarelor.php](https://www.scientificbulletin.upb.ro/SeriaC_Inginerie_Electrica_si_Stiinta_Calculatoarelor.php))
94. Repta, Dragos, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, **Ioan Dumitache** and Aurelian Mihai Stanescu, **Towards the development of semantically enabled flexible process monitoring systems**, International Journal of Computer Integrated Manufacturing 30, no. 1 (2017): 96-108
95. **Dumitache, Ioan**, Ioan Stefan Sacala, Mihnea Alexandru Moisescu and Simona Iuliana Caramihai, **A Conceptual Framework for Modeling and Design of Cyber-Physical Systems**, Studies in Informatics and Control 26, no. 3 (2017): 325-334
96. Dragos Repta, **Ioan Dumitache**, Ioan Sacala, Mihnea Moisescu, Aurelian Stanescu, and Simona Caramihai, **Automated process recognition architecture for cyber-physical systems**, Enterprise Information Systems 12, no. 8-9 (2018): 1129-1148
97. Moisescu, Mihnea, Ioan Sacala, **Ioan Dumitache** and Simona Caramihai, **Predictiv**
98. Repta Dragos, **Dumitache Ioan**, Sacala Ioan Stefan, Moisescu Mihnea, Stanescu Aurelian, Caramihai Simona, **Automated process recognition architecture for cyber-physical systems**, ENTERPRISE INFORMATION SYSTEMS Journal, Volume 12, Issue 8-9, pp. 1 129-1 148, Special Issue, ISSN: 1751-7575DOI: 10.1080/17517575.2018.1521997, 2018, IF 2017: 1.683
99. Delia Dogaru, **Dumitache Ioan**, **Modelling The Dynamic electrical system in the context of cyber attacks**, Scientific Buletin, seria C, nr.3, Politehnica Press 2018
100. **Ioan Dumitache**, Simona Caramihai, Octavian Arsene, Mihnea Moisescu, Ioan Sacala, **A new Framework for human perception modelling**, Romanian Journal of Neurology, Vol XVII supp'. 2, 2018, ISSN 1843-8148
101. Dragos. C Popescu, Mihail O. Cernaiyanu, **Ioan Dumitache**, **Automatic rough alignment for key components in laser driver experiments using fiducial markers**, Journal OF Physics: Conference series, Vol. 1079.0120132018
102. A. Nae and **Ioan Dumitache**, **Fuzzy-Logic Adaptive Control of Traffic in an**

**Urban Junction**, submitted for publication at UPB Sci. Bull (2018)

103. **Ioan Dumitache**, Simona Iuliana Caramihai, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, Luige Vladareanu and Dragos Repta, **A Perceptive Interface for Intelligent Cyber Enterprises**, Sensors 19, no. 20 (2019): 4422

104. Mihnea Alexandru Moisescu, Ioan Stefan Sacala, **Ioan Dumitache**, Simona Iuliana Caramihai, Bogdan Barbulescu and Marius Danciu, **A cyber-physical systems approach to cognitive enterprise**, Periodicals of Engineering and Natural Sciences 7, no. 1 (2019): 337-342

105. Dogaru, Delia Ioana and **Ioan Dumitache**, **Cyber Attacks of a Power Grid Analysis**

106. Catalin-Mircea Dumitrescu and **Ioan Dumitache**, **Combining Deep Learning Technologies with Multi-Level Gabor Features for Facial Recognition in Biometric Automated Systems**, Studies in Informatics and Control 28, no. 2 (2019): 221-230

107. Popescu, D.C., **Dumitache I.**, Caramihai S.I., & Cernaijanu M.O., **High Precision Positioning with Multi-Camera Setups: Adaptive Kalman Fusion Algorithm for Fiducial Markers**, Sensors, 20(9), 2746

108. Janetta Culita, Simona Iuliana Caramihai, **Ioan Dumitache**, Mihnea Alexandru Moisescu, Ioan Sacala, **An Hybrid Approach for Urban Traffic Prediction and Control in Smart Cities**, Sensors, 2020

109. Moisescu, M.A., **Dumitache, I.**, Barbulescu, B., Sacala, I.S., Caramihai S.I., & Danciu, M., **Cyber-Physical Systems Oriented Redundant Network Node**, in Proceeding of the 6th Conference on the Engoneering of Computer Based Systems, september 2020

110. **Ioan Dumitache**, Dragoș Constantin Popescu, **Relational Modeling Framework for Complex Systems**, Scientific bulletin, Series C: Electrical Engineering and Computer Science (Manuscript accepted for publication), 2020

111. Culita, J., Caramihai, S. I., **Dumitache, I.**, Moisescu, M. A. and Sacala, I. S., **An Hybrid Approach for Urban Traffic Prediction and Control in Smart Cities**. Sensors, 20(24), 7209, 2020

112. Mircea Ivanescu, **Ioan Dumitache**, Nirvana Popescu, Decebal Popescu, **Control Techniques for a Class of Fractional Order Systems**, 2021

113. Ioan Stefan Sacala, Eugen Pop, Mihnea Alexandru Moisescu, **Ioan Dumitache**, Simona Iuliana Caramihai, Janetta Culita, **Enhancing CPS Architectures with SOA for Industry 4.0 Enterprise Systems**, 2021

114. **I. Dumitache**, S.I. Caramihai, D.C. Popescu, M.A. Moisescu, I.S. Sacala, **Neuro-inspired Framework for Cognitive Manufacturing Control**, 2021

115. Popescu, D. C. and **Dumitache, I.**, **Relational Modeling Framework for Complex Systems**, UPB Scientific Bulletin, Series C: Electrical Engineering and Computer Science, 83(1), 16-28, 2021

116. **Ioan Dumitrache**, Simona Iuliana Caramihai, Dragos Constantin Popescu, Mihnea Alexandru Moisescu, Ioan Stefan Sacala, **Neuro-inspired Framework for Cognitive Manufacturing Control**, vol. 16 No. 6 (2021): International Journal of Computers Communications & Control (December) 2021, <https://doi.org/10.15837/ijccc.2021.6>
117. **I. Dumitrache**, D. C. Popescu, **Knowledge representation and reasoning using interconnected uncertain rules for describing workflows in complex systems**, Information Fusion 93, 412-428 (2023). WOS: 000960669800001, IF: 18.6
118. **Dumitrache, Ioan**; Predescu, Larisa Ștefania; Caramihai, Simona Iuliana; Moisescu, Mihnea Alexandru; **Collaborative Decisions in Knowledge Management for Intelligent Cyber-Enterprises**, in Procedia Computer Science 221 pp. 955-962 2023 Elsevier
119. **Ioan Dumitrache**; Dragos Constantin Popescu, **Software Platform Based on the hLARM Formalism for Modeling Complex Systems**, Romanian Journal of Information Science and Technology (ROMJIST) (articol în curs de publicare)
120. **I. Dumitrache**, S. I. Caramihai, D. C. Popescu, M. A. Moisescu, I. S. Sacala. **Neuro-inspired Framework for Cognitive Manufacturing Control**, In International Journal of Computers Communications & Control. 16. 6 (2021), ISSN: 1841-9844. WOS: 000730914100004, IF: 2.7
121. Dragos Constantin Popescu and **Ioan Dumitrache**, **Relational Modeling Framework for Complex Systems**, in UPB Scientific Bulletin, Series C: Electrical Engineering and Computer Science. 83.1 (2021), pp. 16 – 28. ISSN: 2286-3540, WOS: 000628640200002, IF: 0.3
122. Dragos Constantin Popescu, **Ioan Dumitrache**, Simona Iuliana Caramihai, and Mihail Octavian Cernaianu. **High Precision Positioning with Multi-Camera Setups: Adaptive Kalman Fusion Algorithm for Fiducial Markers**, in Sensors, 20(9):2746, January 2020. Number: 9 Publisher: Multidisciplinary Digital Publishing Institute. doi:10.3390/s20092746, ISSN: 1424-8220, WOS: 000537106200310, IF: 3.9
123. **Ioan Dumitrache** and Dragos C. Popescu. **Evolutionary networks with generalized neurons applied in battery SoC estimation**, in Romanian Journal of Information Science and Technology, 19(1-2):98–115, 2016. ISSN: 1453-8245, WOS: 000399549500008, IF: 3.5.