

Prof.univ.dr. Ioan DZITAC

Post concurs: profesor universitar poz.8

Discipline de concurs:

Matematică; Sisteme informatice de asistare a deciziilor

Universitatea Agora din Oradea

Facultatea de Științe Economice

Departamentul de Științe Sociale

LISTA DE LUCRĂRI

A. Lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar și care se pot regăsi și în celelalte categorii de lucrări prevăzute de prezentul articol

1. **Dzitac I. (2015)**, The Fuzzification of Classical Structures: A General View, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL/ Special Issue on Fuzzy Sets and Applications Dedicated to the 50th Anniversary of "Fuzzy Sets" Published by L.A. Zadeh in 1965, 10(6): 775-793, 2015.
(ISI WOS:000364346600002/Article, IF/JCR2014=0,746, 1 citare Google Scholar/1 citare ISI)
<http://dx.doi.org/10.15837/ijccc.2015.6.2069>
2. Stanojevic B., **Dzitac I.**, Dzitac S (2015), On the ratio of fuzzy numbers exact membership function computation and applications to decision making, TECHNOLOGICAL AND ECONOMIC DEVELOPMENT OF ECONOMY/ Special issue on Fuzzy sets and fuzzy logic in multi-criteria decision making. The 50th anniversary of prof. Lotfi Zadeh's theory, ISSN: 2029-4913, 21(5):815-832, 2015.
(ISI WOS:000361984500009/Article, IF/JCR2010=5,605, 1 cit. GS/ 1 cit. ISI).
<http://dx.doi.org/10.3846/20294913.2015.1093563>
3. Nadaban S., **Dzitac I. (2014)**, Atomic Decompositions of Fuzzy Normed Linear Spaces for Wavelet Applications, INFORMATICA, ISSN: 0868-4952, 25(4): 643-662, 2014.
(ISI WOS:000347513200007/Article, IF/JCR2010=1,786, 6 cit. GS/ 3 cit. ISI)
<http://dx.doi.org/10.15388/Informatica.2014.33>
4. Felea I., Dzitac S., Vesselenyi T., **Dzitac I (2014)**, Decision Support Model for Production Disturbance Estimation, INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, ISSN: 0219-6220, World Scientific Publishing Company, 13(3):623-647, 2014.
(ISI WOS:000336411100009/Article, IF/JCR2010=3,990, 4 cit./2 cit. ISI).
<http://dx.doi.org/10.1142/S0219622014500576>
5. Benta D., Bologa G., **Dzitac I. (2014)**, E-learning Platforms in Higher Education. Case Study, 2nd International Conference on Information Technology and Quantitative Management, ITQM 2014, Moscow, PROCEEDIA COMPUTER SCIENCE, 31C: 1170-1176, 2014.
(ISI WOS:000360713800135/Proceedings Paper, 22 de cit./ 10 cit. ISI)
[doi:10.1016/j.procs.2014.05.373](http://dx.doi.org/10.1016/j.procs.2014.05.373)
6. **Dzitac I.**, Vesselenyi T., Tarca R. C. (2011), Identification of ERD using Fuzzy Inference Systems for Brain-Computer Interface, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL/ Special Issue on Fuzzy Sets and Systems, 6(3):403-417, 2011.
(ISI WOS:000294513700003/Article, IF/JCR2014=0,746, 6 cit. GS/3 cit. ISI)
<http://dx.doi.org/10.15837/ijccc.2011.3>

7. Andonie R., **Dzitac I. (2010)**, How to Write a Good Paper in Computer Science and How Will It Be Measured by ISI Web of Knowledge, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL, ISSN 1841-9836, 5(4):432-446, 2010.
(ISI WOS:000282600700002/ Article, IF/JCR2014=0,746, 17 GS cit./ 1 cit. ISI)
(se utilizează la școala doctorală în Computer science la University of Bolzen-Bolzano, Italy
(<http://www.inf.unibz.it/~calvanese/teaching/2017-02-PhD-RM/>) și
la INRIA – France (<http://maverick.inria.fr/~Nicolas.Holzschuch/notes.html>)
<http://dx.doi.org/10.15837/ijccc.2010.4>)
8. Secui D.C., Dzitac S., Bendea G.V., **Dzitac I. (2009)**, An ACO Algorithm for Optimal Capacitor Banks Placement in Power Distribution Networks, STUDIES IN INFORMATICS AND CONTROL, ISSN 1220-1766, 18(4):305-314, 2009.
(ISI WOS:000272759700002/Article, IF/JCR2014=0,913, 8 cit. GS/ 5 cit. ISI).
http://sic.ici.ro/?page_id=423
9. **Dzitac I.**, Barbat B.E.(2009), Artificial Intelligence + Distributed Systems = Agents, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL, ISSN 1841-9836, 4(1):17-26, 2009.
(ISI WOS:000262821700002/Article, IF/JCR2014=0,746, 36 cit. GS/ 17 cit. ISI)
<http://dx.doi.org/10.15837/ijccc.2009.1>
10. Vesselenyi T., Dzitac S., **Dzitac I.**, Manolescu M.-J., Fuzzy and Neural Controllers for a Pneumatic Actuator, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL, ISSN 1841-9836, 2(4):375-387, 2007.
(ISI WOS:000255333100007/Article, IF/JCR2014=0,746, 33 cit. GS/ 20 cit. ISI)
<http://dx.doi.org/10.15837/ijccc.2007.4>

B. Teza de doctorat

Ioan Dzitac, *Procedee de calcul paralel și distribuit în rezolvarea unor ecuații operatoriale*, Universitatea "Babeș-Bolyai" din Cluj Napoca, 2002. (Cond. științific: Prof.dr. Grigor Moldovan; Referenți științifici: Prof.dr. Dan Grigoraș - University College Cork -Irlanda, Prof.dr. Ștefan Mărușter – Universitatea de Vest din Timișoara, Prof.dr. Florin Boian - Universitatea "Babeș-Bolyai" din Cluj Napoca)
<https://www.worldcat.org/title/procedee-de-calcul-paralel-si-distribuit-in-rezolvarea-unor-ecuatii-operatoriale/oclc/895046181>

C. Brevete de invenție și alte titluri de proprietate industrială

D. Cărți și capitole în cărți

D1. Cărți/suporturi de curs, seminar și laborator, publicate în edituri recunoscute CNCS

1. **I. Dzitac**, *Parallel and Distributed Methods for Algebraic Systems Resolution*, CCC Publications, Agora University Publishing House, ISBN (10) 973-87960-8-3 ; ISBN (13) 978-973-87960-8-9, 2006. 150 p.
https://www.worldcat.org/title/parallel-and-distributed-methods-for-algebraic-systems-resolution/oclc/895528080&referer=brief_results
2. **I. Dzitac**, G. Moldovan, *Sisteme distribuite: modele informatice*, ISBN (10) 973-87960-9-1 ; ISBN (13)978-973-87960-9-6, Ed. Univ. Agora, 2006. 146 p.
https://www.worldcat.org/title/sisteme-distribuite-modele-informatice/oclc/895507803&referer=brief_results
3. G. Moldovan, **I. Dzitac**, *Sisteme distribuite: modele matematice*, ISBN (10) 973-88205-0-2 ; ISBN (13)978-973-88205-0-0, Ed. Univ. Agora, 2006. 170 p.
https://www.worldcat.org/title/sisteme-distribuite-modele-matematice/oclc/895539114&referer=brief_results

4. **I. Dzițac**, *Calcul paralel*, ISBN 973-049-5, Ed. Univ. din Oradea, 2001. 397 p.
https://www.worldcat.org/title/calcul-paralel/oclc/895090266&referer=brief_results
5. **I. Dzițac**, G. Turcuș, A. Tripe, A. Cătaș, *Metoda Monte Carlo: hazard si determinism*, Ed. Univ. din Oradea, ISBN 973-8193-07-9, 2000. 198 p.
https://www.worldcat.org/title/metoda-monte-carlo-hazard-si-determinism/oclc/895034912&referer=brief_results
6. **I. Dzițac**, *Inteligența artificială*, ISBN 978-973-752-292-4, Ed. Univ. Aurel Vlaicu, Arad, 2008. 182 p. (suport de curs)
https://www.worldcat.org/title/inteligenta-artificiala/oclc/895456212&referer=brief_results
7. **I. Dzițac**, *Matematică economică*, ISBN 973-86723-2-5, Ed. Univ. Agora, 2005. 292 p. (suport de curs)
https://www.worldcat.org/title/matematica-economica-note-de-curs/oclc/895186002&referer=brief_results
8. **I. Dzițac**, I. Mang, G. Sadoveanu, *Didactica informaticii*, ISBN 973-049-5, Ed. Univ. din Oradea, 2003. 526 p. (suport de curs)
9. **I. Dzițac**, B. Bede, S. Dzițac, A. Madar, G.I. Oros, *Analiză matematică: Calcul diferențial*, ISBN 973-613-050-9, Ed. Univ. din Oradea, 2001. 207 p. (suport de curs)
https://www.worldcat.org/title/analiza-matematica-calcul-diferential/oclc/895087674&referer=brief_results
10. **I. Dzițac**, L. Seremi, S. Dzițac, A. Cătaș, G. I. Oros, *Matematici speciale- Elemente de algebră, Geometrie analitică, Probabilități*, ISBN 973-613-044-4, Ed. Univ. din Oradea, 2001. 247 p. (suport de curs)
https://www.worldcat.org/title/matematici-speciale-elemente-de-algebra-geometrie-analitica-calculul-probabilitatilor/oclc/895061061&referer=brief_results
11. **I. Dzițac**, A. Bica, A. Madar, I. Stoica, *Matematici speciale-Functii complexe, Ecuatii diferentiale*, ISBN 973-8083-33-8, Ed. Univ. din Oradea, 2000. 141 p. (suport de curs)
https://www.worldcat.org/title/matematici-speciale-functii-complexe-si-ecuatii-diferentiale/oclc/895715430&referer=brief_results
12. **I. Dzițac**, A. Madar, *Analiza matematica -Calcul integral*, ISBN 973-8083-03-6, Ed. Univ. din Oradea, 2000. 174 p. (suport de curs)
https://www.worldcat.org/title/analiza-matematica-calcul-integral/oclc/895711219&referer=brief_results
13. D. Bența, **I. Dzițac**, *Baze de date în economie. Lucrări practice de laborator*, Ed. Universității Agora, ISBN 978-973-1807-50-8, 2013. 111 p. (suport de laborator)
<http://univagora.ro/ro/resurse/editura-agora/aparitii-ordine-cronologica/>
14. G. Oros, A. Cătaș, G.I. Oros, **I. Dzițac**, S. Dzițac, *Functii complexe - Culegere de probleme*, ISBN 973-613-396-6, Ed. Univ. din Oradea, 2003. 236 p. (suport de seminar)
http://www.worldcat.org/title/functii-complexe-culegere-de-probleme/oclc/895732572&referer=brief_results
15. **I. Dzițac**, E. Laslo, *Programarea paralela utilizând PVM*, ISBN 973-613-409-1, Ed. Univ. din Oradea, 2003. 144 p. (suport de curs)
https://www.worldcat.org/title/programarea-paralela-utilizand-pvm/oclc/895752586&referer=brief_results
16. **I. Dzițac**, M. Pantea, S. Dzițac, *Ghid metodic:Algebra de liceu-clasa IX-a*, ISBN973-8193-01 – X, Ed. Univ. din Oradea, 2000. 178 p. (suport de seminar)
https://www.worldcat.org/title/ghid-metodic-algebra-de-liceu-clasa-a-ix-a/oclc/895723816&referer=brief_results

D2. Volume colective publicate în edituri recunoscute CNCS (co-editor)

1. **I. Dzitac**, F.G. Filip, M.J. Manolescu, *2016 6th International Conference on Computers Communications and Control (ICCCC), Proceedings of*,
<http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7492714>
2. H. Lee, Y. Shi, J. Lee, F. Cordova, **I. Dzitac**, G. Kou, J. Li, *Promoting Business Analytics and Quantitative Management of Technology: Preface for ITQM 2016*, Procedia Computer Science, 91:1-8, 2016. (138 ISI Proceedings Papers)
<http://dx.doi.org/10.1016/j.procs.2016.07.103>

3. L.A. Zadeh, D. Tufis, F.G. Filip, **I. Dzitac** (eds.), *From Natural Language to Soft Computing: New Paradigms in Artificial Intelligence*, Editing House of Romanian Academy, ISBN: 978-973-27-1678-6, 2008. 268 p.
http://www.acad.ro/carti2008/carte08_06Zadeh.htm
4. **I. Dzitac**, T. Maghiar, C. Popescu (eds.), *Proceedings of International Conference on Computers and Communications (ICCC 2004)*, 27-29 May, 2004, Baile Felix- Oradea, ISBN 973-613-542 – X, Ed. Univ. din Oradea, 2004. 434 p.
<http://www.biat.uni-flensburg.de/datenbank/materialien/iccc-tagungsband-2004.pdf>
5. T. Maghiar, A. Georgescu, M. Balaj, **I. Dzitac**, I. Mang (eds.), *Proceedings of the 11th Conference on applied and industrial mathematics (CAIM 2003)*, Vol. 1, ISBN 973-613-330-3 (gen.), ISBN 973-613-331-1, Ed. Univ. din Oradea, 2003. 248 p.
https://www.worldcat.org/title/proceedings-of-the-11th-conference-on-applied-and-industrial-mathematics-may-29-31-2003-oradea-romania/oclc/935454796&referer=brief_results
6. T. Maghiar, A. Georgescu, M. Balaj, **I. Dzitac**, I. Mang (eds.), *Proceedings of the 11th Conference on Applied and industrial Mathematics (CAIM 2003)*, Vol. 2, ISBN 973-613-330-3 (gen.), ISBN 973-613-332 – X, Ed. Univ. din Oradea, 2003. 180 p.
https://www.worldcat.org/title/conference-on-applied-and-industrial-mathematics-proceedings-of-the-11th-caim-2003-oradea-may-29-31-2003/oclc/895099823&referer=brief_results

D3. Capitle în cărți cu ISBN/Lucrări prezentate la conferințe

1. Felea I., Dzitac S., Popentiu F., **Dzitac I.** (2010), Models of availability maximization applied to "k-out-of-n" structures for power systems, Chapter in book: *Reliability, Risk and Safety: Theory and Applications* - Bris, Guedes Soares & Martorell (eds), Taylor & Francis Group, London, CRC Press 2009, Print ISBN: 978-0-415-55509-8, eBook ISBN: 978-0-203-85975-9, pp. 607-614.
(ISI WOS:000281188500083/Proceedings Paper)
<http://www.crcnetbase.com/doi/abs/10.1201/9780203859759.ch83>
2. Dzitac S., Felea I., **Dzitac I.**, Vesselenyi T., Neuro-Fuzzy Modeling of Event Prediction using Time Intervals as Independent Variables, Chapter in Zadeh L. A. et all, *From Natural Language to Soft Computing: New Paradigms in Artificial Intelligence*, ISBN 978-973-27-1678-6, Ed. House of Romanian Academy, pp. 84-99, 2008.
<http://www.racai.ro/media/Zadeh-TFD-EWNLP2008.pdf>
3. **Dzitac I.**, Dzitac S., Valeanu E., Solving higher than three degrees algebraic equations using parallel and distributed computation methods, Chapter in D. Breaz, N. Breaz, D. Wainberg, *Proc. of ICTAMI 2007*, ISBN 978-973-1890-01-2., Aeternitas Publ. House, Alba Iulia, pp. 83-92, 2008.
(Zbl 1212.11057)
4. Dzitac S., Vesselenyi T., **Dzitac I.**, Valeanu E., (2007), Electrical Power Station Reliability Modelling Procedure using The Monte Carlo Method, Chapter in *IFAC PapersOnLine*, ISBN 978-3-902661-31-9, 4:625-700, 2007.
<http://10.3182/20070927-4-RO-3905.00115>
5. **Dzitac I.**, Dzitac S., Valeanu E., Web Distributed Computing for Landscape Architecture, Chapter in Eleftheriadis, N., Styliadis, A., Paliokas, I. (eds), *Proceedings of the LANT07*, ISBN 978-960-363-027-2., *International Conference on Landscape Architecture and New Technologies*, 25-26 May 2007, Drama, Greece, pp. 25-36, 2007.
<http://kopac.nlg.gr/bib/422809>
6. Lupse V., **Dzitac I.**, Dzitac S., Valeanu E. (2007), A Project of Commercial Module of an ERP System for SME, Chapter in *Informatics in Knowledge Society, Proc. of The Eighth International Conference on Informatics in Economy IE 2007* - May 17-18, ISBN 978-973-594-921-1, pp. 441-446, 2007.
7. **Dzitac I.**, Dzitac S., Oros H., (2004), Some parallel implementation of Random Filtered Asynchronous Iterative Method, Chapter in *Proc. of the International Conference of*

- Computers and Communications, ICCC 2004*, Baile Felix - Oradea, Ed. Univ. din Oradea, ISBN 973-613-542 - X, pp. 139-146, 2004.
<http://www.biat.uni-flensburg.de/datenbank/materialien/iccc-tagungsband-2004.pdf>
8. **Dzitac I.**, Dzitac S., Oros H., Some applications of the Perov's fixed point theorem, Chapter in *Proc. of the CAIM 2003*, vol. 2, Ed. Univ. din Oradea, ISBN 973-613-330-3 (gen.), ISBN 973-613-332 - X, pp. 120-129, 2003.
<http://dzitac.ro/files/caim/caim03v2.pdf>
 9. **Dzitac I.**, Dzitac S., Valeanu M., A Parallel Algorithm for the Real Roots Isolation of the Polynomial Equation, Chapter in *Proc. of The 11th Conference on Applied and Industrial Mathematics (CAIM 2003)*, ISBN 973-613-330-3, Edit. Univ. din Oradea, vol. I, pp. 97-99, 2003.
<http://dzitac.ro/files/caim/caim03v1.pdf>
 10. **Dzitac I.**, Moldovan G., Oros H., A Parallel Procedure for the Exhaustive Numerical Resolution of the Polynomial Equations, Chapter in *Proc. of The 11th Conference on Applied and Industrial Mathematics (CAIM 2003)*, Oradea, Edit. Univ. din Oradea, ISBN 973-613-330-3 (gen.), ISBN 973-613-331-1, pp. 94-96, 2003.
<http://dzitac.ro/files/caim/caim03v2.pdf>
 11. **Dzitac I.**, (2002), A Survey of Taxonomy of the Parallel Computers, Chapter in *Proceedings of The 27th Annual Congress of the American Romanian Academy of Arts and Sciences (ARA)*, Polytechnic International Press, Montreal, Canada, ISBN 2-553-01024-9, pp. 672-673, 2002.

E. Lucrări in extenso, publicate în reviste din fluxul științific internațional principal

E1. Articole științifice publicate în reviste de specialitate cotate ISI (nr. citări din GS)

1. Nadaban S., **Dzitac I.**, Some Properties and Applications of Fuzzy Quasi-Pseudo-Metric Spaces, *Informatica*, ISSN: 0868-4952, 27(1):141-15, 2016.
 (ISI WOS:000373315100007/ Article, IF/JCR2010=1,786, 0 cit. GS)
<http://dx.doi.org/10.15388/Informatica.2016.73>
2. Stanojevic B., **Dzitac I.**, Dzitac S., On the ratio of fuzzy numbers exact membership function computation and applications to decision making, *Technological and Economic Development of Economy*, ISSN: 2029-4913, 21(5):815-832, 2015.
 (ISI WOS:000361984500009/Article, IF/JCR2010=5,605, 1 cit. GS).
<http://dx.doi.org/10.3846/20294913.2015.1093563>
3. **Dzitac I.**, The Fuzzification of Classical Structures: A General View, *International Journal of Computers Communications & Control*, ISSN 1841-9836, 10(6):775-793, 2015.
 (ISI WOS:000364346600002/Article, IF/JCR2014=0,746, 1 cit. GS)
<http://dx.doi.org/10.15837/ijccc.2015.6.2069>
4. **Dzitac I.**, Impact of Membrane Computing and P Systems in ISI WoS. Celebrating the 65th Birthday of Gheorghe Păun, *International Journal of Computers Communications & Control*, ISSN 1841-9836, 10(5): 617-626, 2015.
 (ISI WOS:000358340900001/Article, IF/JCR2014=0,746, 0 cit. GS)
<http://dx.doi.org/10.15837/ijccc.2015.5.2024>
5. Nadaban S., **Dzitac I.**, Atomic Decompositions of Fuzzy Normed Linear Spaces for Wavelet Applications, *Informatica*, ISSN: 0868-4952, 25(4):643-662, 2014.
 (ISI WOS:000347513200007/Article, IF/JCR2010=1,786, 6 cit. GS)
<http://dx.doi.org/10.15388/Informatica.2014.33>
6. Felea I., Dzitac S., Vesselenyi T., **Dzitac I.**, Decision Support Model for Production Disturbance Estimation, *International Journal of Information Technology & Decision Making*, World Scientific Publishing Company, 13(3):623-647, 2014.
 (ISI WOS:000336411100009/Article, IF/JCR2010=3,990, 4 cit. GS).
<http://www.worldscientific.com/doi/abs/10.1142/S0219622014500576>

7. Albu R.D., **Dzitac I.**, Popentiu-Vladicescu F., Naghiu I.M., Input Projection Algorithms Influence in Prediction and Optimization of QoS Accuracy, *International Journal of Computers Communications & Control*, ISSN 1841-9836, 9(2):132-139, 2014.
(ISI WOS:000332352800001/Article, IF/JCR2014=0,746, 1 cit. GS)
<http://dx.doi.org/10.15837/ijccc.2014.2.1013>
8. Brasoveanu A.M.P., **Dzitac I.**, The Role of Visual Rhetoric in Semantic Multimedia: Strategies for Decision Making in Times of Crisis, *International Journal of Computers Communications & Control*, ISSN 1841-9836, 7(4):605-615, 2012.
(ISI WOS: 000308334500002/Article, IF/JCR2014=0,746, 0 cit. GS).
<http://dx.doi.org/10.15837/ijccc.2012.4.1361>
9. **Dzitac I.**, Vesselenyi T., Tarca R.C., Identification of ERD using Fuzzy Inference Systems for Brain-Computer Interface, *International Journal of Computers Communications & Control*, Special Issue on Fuzzy Sets and Systems, 46(3):03-417, 2011.
(ISI WOS:000294513700003/Article, IF/JCR2014=0,746, 6 cit. GS).
<http://dx.doi.org/10.15837/ijccc.2011.3>
10. Andonie R., **Dzitac I.** (2010), How to Write a Good Paper in Computer Science and How Will It Be Measured by ISI Web of Knowledge, *International Journal of Computers Communications & Control*, ISSN 1841-9836, 5(4):432-446, 2010.
(ISI WOS:000282600700002/ Article, IF/JCR2014=0,746, 17 cit. GS)
<http://dx.doi.org/10.15837/ijccc.2010.4>
11. Negulescu S.C., **Dzitac I.**, Lascu A.E., Synthetic Genes for Artificial Ants. Diversity in Ant Colony Optimization Algorithms, *International Journal of Computers Communications & Control*, ISSN 1841-9836, 5(2):216-223, 2010.
(ISI WOS:000275741400008/Article, IF/JCR2014=0,746, 6 cit. GS)
<http://dx.doi.org/10.15837/ijccc.2010.2>
12. Secui D. C., Dzitac S. , Bendea G.V., **Dzitac I.**, An ACO Algorithm for Optimal Capacitor Banks Placement in Power Distribution Networks, *Studies in Informatics and Control*, ISSN 1220-1766, 18(4):305-314, 2009.
(ISI WOS:000272759700002/Article, IF/JCR2014=0,913, 8 cit. GS).
http://sic.ici.ro/?page_id=423
13. **Dzitac I.**, Barbat B.E., Artificial Intelligence + Distributed Systems = Agents, *International Journal of Computers Communications & Control*, ISSN 1841-9836, 4(1):17-26, 2009.
(ISI WOS:000262821700002/Article, IF/JCR2014=0,746, 36 cit. GS)
<http://dx.doi.org/10.15837/ijccc.2009.1>
14. Vesselenyi T., **Dzitac I.**, Dzitac S., Vaida V., Surface Roughness Image Analysis using Quasi-Fractal Characteristics and Fuzzy Clustering Methods, *International Journal of Computers Communications & Control*, ISSN 1841-9836, 3(3):304-316, 2008.
(ISI WOS:000257275300008/Article, IF/JCR2014=0,746, 10 cit. GS)
<http://dx.doi.org/10.15837/ijccc.2008.3>
15. Lupse V., **Dzitac I.**, Dzitac S., Manolescu A., Manolescu M.-J., CRM Kernel-based Integrated Information System for a SME: An Object-oriented Design, *International Journal of Computers Communications & Control*, ISSN 1841-9836, 3(S):375-380, 2008.
(ISI WOS:000257497600059/Article, IF/JCR2014=0,746, 3 cit. GS)
<http://dx.doi.org/10.15837/ijccc.2008.5>
16. Dzitac S., Felea I., **Dzitac I.**, Vesselenyi T., An Application of Neuro-Fuzzy Modelling to Prediction of some Incidence in an Electrical Energy Distribution Center, *International Journal of Computers Communications & Control*, ISSN 1841-9836., 3(S): 287-292, 2008.
(ISI WOS:000257497600043/Article, IF/JCR2014=0,746, 1 cit. GS)
<http://dx.doi.org/10.15837/ijccc.2008.5>
17. Vesselenyi T., Dzitac S., **Dzitac I.**, Manolescu M.-J., Fuzzy and Neural Controllers for a Pneumatic Actuator, *International Journal of Computers Communications & Control*, ISSN 1841-9836, 2(4):375-387, 2007.
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E3. Articole științifice publicate în reviste de specialitate indexate în baze de date internaționale

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6. Dzitac S. , Vesselenyi T. , **Dzitac I.** , Valeanu E. , (2007), Electrical Power Station Reliability Modelling Procedure using The Monte Carlo Method, *IFAC PapersOnLine*, ISBN 978-3-902661-31-9, 4:625-700, 2007.
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F. Alte lucrări și contribuții științifice

F1. Materiale editoriale și articole biografice publicate în reviste indexate ISI

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2. **Dzitac I.** (2008), ICCCC 2008 & EWNLC 2008 Celebrates Bardeen's Centenary and Welcomes Professor Zadeh, *International Journal of Computers Communications & Control*, ISSN 1841-9836, Vol.3, No.S, pp. 16-25, 2008.
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3. **Dzitac I.**, Manolescu M.-J., Oros H., Valeanu E., 60 Years from Birth of Academician F.G. Filip, *International Journal of Computers Communications & Control*, Vol.2, No.3, pp. 2(3):209-216, 2007, ISSN 1841-9836, 2007.
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4. Filip F.G., **Dzitac I.**, Acad. Solomon Marcus at 85 Years (A Selective Bibliography), *International Journal of Computers Communications & Control*, 5(2):144-147, 2010.
(ISI WOS:000275741400001 Biographical-Item, IF/JCR2014=0,746)
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F2. Contribuții/participări la conferințe naționale și internaționale

1. ITQM2017, The Fifth International Conference on Information Technology and Quantitative Management, 8-10 December 2017, Delhi, India

2. [ICCCC2016](#), 6th International Conference on Computers Communications and Control, Băile Felix, Oradea, România, May 10-14, 2016. (General Chair)
3. [ITQM2016](#), Special Session 16: Soft computing methods in quantitative management and decision making processes, 16-18 Aug. 2016, Asan Korea. Plenary lecture: Tutorial "From Fuzzy Logic to Soft Computing: New Paradigms in Decision Making"
4. [MCPL2016](#), 7th IFAC Conference on Management and Control of Production and Logistics (MCPL 2016), Bremen, Germany, February 22 – 24, 2016. (Program Committee Member)
5. [DatAMSS2015](#), 7th International Workshop, Data Analysis Methods for Software Systems, Druskininkai, Lithuania, Hotel „Europa Royale“, December 3 – 5, 2015 (keynote speaker).
6. [ICOTFL2015](#), International Conference on Oriental Thinking and Fuzzy Logic (Celebration of the 50th Anniversary of Fuzzy Sets in Big Data Era), Dalian, China, August 17-20, 2015 (Keynote speaker: "Artificial Intelligence and Fuzzy Logic").
7. [ITQM2015](#), The Thirth International Conference on Information Technology and Quantitative Management, Rio de Janeiro, Brazil, July 21-24, 2015 (organizer and chair of a special session).
8. [ICVL2014](#): Virtual Learning - Virtual Reality Models and Methodologies Technologies and Software Solutions, October 24-25, 2014, Bucharest, Romania. . (Program Committee Member)
9. [ICIW2014](#): The Ninth International Conference on Internet and Web Applications and Services, ICIW2014, July 20 - 24, 2014 - Paris, France. . (Program Committee Member)
10. [ICCCBS 2014](#): International Conference on Critical Computer-Based Systems, London, United Kingdom, June 29 - 30, 2014. . (Program Committee Member)
11. [ITQM2014](#): The Second International Conference on Information Technology and Quantitative Management, Moscow, Russia, June 3-5, 2014 (organizer and chair of a special session). . (Program Committee Member)
12. [ICCCC 2014](#): 5th International Conference on Computers Communications and Control, Băile Felix, Oradea, România, May 7-9, 2014. (General Chair)
13. [IFAC/MCPL2013](#): 6th IFAC International Conference on Management and Control of Production and Logistics, Fortaleza, Ceará, Brazil, September 11-13, 2013. . (Program Committee Member)
14. [ITQM 2013](#): International Conference on Information Technology and Quantitative Management (ITQM 2013), May 16-18, 2013, Dushu Lake Hotel, Suzhou, China (organizer and chair of a special session).
15. [BALCOR 2013](#), Balkan Conference on Operational Research, 7-10 September, 2013, Belgrade, Serbia (International Scientific Committee Member)
16. [ICIW 2013](#), The Eighth International Conference on Internet and Web Applications and Services, June 23 - 28, 2013 - Rome, Italy (Technical Program Committee).
17. [ICVL 2013](#), International Conference on Virtual Learning, October 22-26, Timisoara, Romania (IPC).
18. [ICCCC 2012](#): Workshop on Intelligent Decision Support Systems for Crisis Management , May 08- 12, 2012, Baile Felix, Oradea, Romania (Organizing Chair).
19. [CESA 2012](#), International Multiconference on Applied Computational Engineering Systems, Santiago de Chile, 25- 27 April, 2012 (Member of IPC)
20. [FEIT 2011](#) , International Joint Conference on Fuzzy Engineering and Intelligent Transportation (FEIT 2011), Xi'an, China, 10-11, December, 2011 (Member of IPC).
21. [ICVL 2011](#), International Conference on Virtual Learning, October 28-29, 2011 - Cluj-Napoca, ROMANIA-EUROPE (Member of IPC)
22. [MedDecSup 2011](#), International Workshop on Next Generation Intelligent Medical Decision Support Systems, September 18-19, 2011, Tg. Mures, Romania (member od IPC)
23. [CAIM 2011](#), 19th Conference on Applied and Industrial Mathematics, September 22-25, 2011, Iasi, Romania (Member of IPC)

24. [ITRO 2011](#), Information Technology and Development of Education, July 1, 2011, Sebia (Member of IPC)
25. [ICIW 2011](#) , The Sixth International Conference on Internet and Web Applications and Services, March 20-25, 2011 - St. Maarten, The Netherlands Antilles (Member of TPC)
26. [ISREIE 2010](#), 3th International Symposium Research and Education in Innovation Era, November 11-12, 2010 - ARAD, ROMANIA-EUROPE (Member of OC)
27. [ICST-CSD 2010](#), 2th International Conference "Science and Technology in the Context of Sustainable Development", November 4-5, 2010, Ploiesti, ROMANIA-EUROPE (Member of IPC)
28. [ICAM 7-2010](#), 7th International Conference on Applied Mathematics, September 1-4, 2010 - Baia Mare, ROMANIA-EUROPE (Member of IPC)
29. [ICVL 2010](#), International Conference on Virtual Learning, October 29-31, 2010 - Târgu Mures, ROMANIA-EUROPE (Member of IPC)
30. [SOFA 2010](#), IEEE International Workshop on Soft Computing Applications, 15-17 July, 2010, Arad, Romania (Member of IPC)
31. [CAIM 2010](#), 18th Conference on Applied and Industrial Mathematics, October 14-17, 2010, Iasi, Romania (Member of IPC)
32. [WASET](#), World Academy of Science, Engineering and Technology Conferences, Permanent member of Scientific Committee
33. [ICCC 2010](#) , International Conference on Computers, Communications and Control, May 12-16, 2010, Baile Felix Spa, Oradea- (Founder, General Chair)
34. [ICIW 2010](#) , The Fifth International Conference on Internet and Web Applications and Services, May 9-15, 2010, Barcelona, Spain (Member of TPC)
35. [ICVL 2009](#), International Conference on Virtual Learning, October 30 - November 1, 2009, Iasi, Romania (Member of IPC)
36. [UICS 2009](#), Understanding Intelligent and Complex Systems, October 22-23, Targu-Mures, Romania (Member of IPC)
37. [ICMI 2009](#), International Conference on Mathematics and Informatics "Gheorghe Vranceanu", September 8-10, 2009, Bacau, Romania (Member of IPC)
38. [MDIS 2009](#), October 22-25, 2009, Sibiu, Romania (Member of IPC)
39. [ASITELS09](#), Advanced Statistics and IT&C techniques Applied to Economics and Life Sciences, May 3-6, 2009, Sibiu, Romania (Member of IPC)
40. [CAIM 2009](#), 17th Conference on Applied and Industrial Mathematics September 17-20, 2009, Constanta, Romania (Member of IPC)
41. [SOFA 2009](#), IEEE International Workshop on Soft Computing Applications, 29 July- 1 August, 2009, Arad & Szeged, Romania & Hungary (Member of IPC)
42. [CESA 2009](#), Computational Engineering in Systems Applications July 6-8, 2009, Seoul, South Korea (Member of IPC)
43. [EMES'09](#), Electrical Engineering Computer Science and Control Systems Electronics, May 27-29, 2009 - Oradea, Romania (Member of TPC)
44. [ICIW 2009](#), International Conference on Internet and Web Applications and Services, May 24-28, 2009 - Venice, Italy (Member of TPC)
45. [CANS' 2008](#), Complexity and Intelligence of the Artificial and Natural Complex Systems. Medical Applications of the Complex Systems. Biomedical Computing, November, 8-10, 2008, Tg. Mures (Member of IPC)
46. [BICS 2008](#), Bio-Inspired Computational Methods Used for Difficult Problems Solving. Development of Intelligent and Complex Systems, November, 5-7, 2008, Tg. Mures (Member of IPC)
47. [ICVL 2008](#), International Conference on Virtual Learning, Oct. 28- Nov. 2, 2008, Constanta, Romania (Member of IPC)
48. [CAIM 2008](#), 17th Conference on Applied and Industrial Mathematics October, 9-12, 2008, Oradea (Member of IPC, Chair of OC)

49. [ICAM6-2008](#), 6th International Conference on Applied Mathematics, September 18-21, 2008, Baia Mare, Romania (Member of SC)
50. [ECIT 2008](#), European Conference on Intelligent Systems and Technologies, 10-12 July 2008, Iasi, Romania (Member of IPC)
51. [17th IFAC World Congress](#), July 6-11, 2008, Seoul, Korea (Reviewer)
52. [VEWAeL 2008](#), First International Workshop on Virtual Environments and Web Applications for e-Learning, June 8-13, 2008 - Athens, Greece (Member of TPC)
53. [ICCCC 2008](#), International Conference on Computers, Communications and Control, May 15-17, 2008, Baile Felix Spa, Oradea- (Founder, General Chair)
54. [MEDINF 2007](#), November 8-11, 2007, Sibiu, Romania (Member of IPC)
55. [CAIM 2007](#), 16 th Conference on Applied and Industrial Mathematics Mioveni, Romania, October 12-14, 2007, (Section Chairperson)
56. [IFAC MCPL 2007](#), 4th IFAC Conference on Management and Control of Production and Logistics (2007) Sibiu, Romania, September 27-30, 2007, (Section Chairperson)
57. [ICTAMI 2007](#), International Conference on Theory and Applications of Mathematics and Informatics, 30 August - 02 September 2007, in Alba Iulia, Romania (Member of IPC)
58. [SOFA 2007](#), IEEE International Workshop on Soft Computing Applications, (Member of ICP)
59. [ICVL 2007](#), International Conference on Virtual Learning, Oct. 26-28, 2007, Constanta, Romania (Member of IPC)
60. [LANT2007](#), Landscape Architecture and New Technologies, May 25-26, 2007, TEI of Kavala, Greece (Keynote speaker, Member of IPC)
61. [RSSEE 2006](#), International Conference on renewable sources and environmental electrotechnologies, 8-10 June, 2006, Oradea, Romania (Member of IPC)
62. [ECIT'2006](#), European Conference on Intelligent Systems and Technologies, 21-23 september, 2006, Iasi, Romania (Member of IPC)
63. [ICCCC 2006](#), International Conference on Computers, Communications and Control, June 1-3, 2006, Baile Felix Spa, Oradea (General Chair, Member of IPC, Editor of Proc.)
64. [ICAM5-2006](#), 5th International Conference on Applied Mathematics, 21-24 September 2006, Baia Mare, Romania (Member of IPC)
65. [EMES 2005](#), Electrical Engineering Computer Science and Control Systems Electronics, May 26-28, 2005, Oradea, Romania (Member of IPC)
66. [SACCS 2004](#), October 22-23, 2004, Iasi, ROMANIA (Member of IPC)
67. [ECIT'2004](#), European Conference on Intelligent Systems and Technologies, 21-23 July, 2004, Iasi, Romania - ECIT 2004 (Member of IPC)
68. [ICTAMI 2004](#), International Conference on Theory and Applications of Mathematics and Informatics, September 16-18, 2004, Thessaloniki, Greece (Member of IPC, Chairperson)
69. [ICCC 2004](#), International Conference on Computers and Communications, May 27-29, 2004, Baile Felix Spa, Oradea (General Chair, Member of IPC, Editor of Proc.)
70. [CAIM 2003](#), 12th Conference on Applied and Industrial Mathematics May 29-31, 2003, Oradea, Romania- CAIM 2003 (Secretary of Conference, Ed. of Proc.)

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