

LIST OF WORKS

A. Ph.D. Thesys

Ioan Dzitac, *Procedee de calcul paralel și distribuit în rezolvarea unor ecuații operatoriale/ Parallel and distributed procedures in solving of some operator equations*, "Babeș-Bolyai" University of Cluj Napoca, 2002. (Supervisor: Prof.dr. Grigor Moldovan; Scientific reviewers: Prof.dr. Dan Grigoraș - University College Cork -Irlanda, Prof.dr. Ștefan Mărușter – West University of Timișoara, Prof.dr. Florin Boian - "Babeș-Bolyai" University of Cluj Napoca)
<https://www.worldcat.org/title/procedee-de-calcul-paralel-si-distribuit-in-rezolvarea-unor-ecuatii-operatoriale/oclc/895046181>

B. Patents and other industrial property rights

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C. Books and chapters in books

D1. Books / handouts for seminar and laboratory, published in recognized publishing houses by CNCS

1. **I. Dzițac**, *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. Dzițac**, 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. Dzițac**, *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/inteligența-artificială/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. Dziřac**, I. Mang, G. Sadoveanu, *Didactica informaticii*, ISBN 973-049-5, Ed. Univ. din Oradea, 2003. 526 p. (suport de curs)
9. **I. Dziřac**, B. Bede, S. Dziřac, 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. Dziřac**, L. Seremi, S. Dziřac, 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. Dziřac**, 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. Dziřac**, 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. Dziřac**, *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. Dziřac**, S. Dziřac, *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. Dziřac**, 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. Dziřac**, M. Pantea, S. Dziřac, *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. Proceedings recognised by 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. Chapters with ISBN/Papers presented at conferences

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, 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. Full papers published in journals of the main international scientific

E1. Scientific articles published in professional journals ISI (no. of citations in Google Scholar)

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.
(ISI WOS:000255333100007/Article, IF/JCR2014=0,746, 33 cit. GS)
<http://dx.doi.org/10.15837/ijccc.2007.4>
 18. Pop B., **Dzitac I.**, (2006), On a Fuzzy Approach to Solving Multiple Criteria Fractional Programming Problem, *International Journal of Computers Communications & Control*, ISSN 1841-9836, 1(S):381-385, 2006.
(ISI WOS:000203014800064/Article, IF/JCR2014=0,746, 2 cit. GS)
<http://dx.doi.org/10.15837/ijccc.2006.5>

E2. ISI Proceedings

1. S. Nădăban, S. Dzitac, **I. Dzitac**, Fuzzy TOPSIS: A General View, *Procedia Computer Science*, Volume 91, Pages 823-831, 2016.
(ISI WOS:000387683300098/ **Proceedings Paper**, 2 cit. GS).
<http://dx.doi.org/10.1016/j.procs.2016.07.088>
2. Benta D., Bologna G., Dzitac S., **Dzitac I.** (2015), University Level Learning and Teaching via E-Learning Platforms, 3rd International Conference on Information Technology and Quantitative Management, ITQM 2015 - Rio de Janeiro, *Procedia Computer Science*, Volume 55C:1366-1373, 2015.
(ISI WOS:000360101400156/**Proceedings Paper**, 1 cit. GS)
[doi:10.1016/j.procs.2015.07.123](http://dx.doi.org/10.1016/j.procs.2015.07.123)
3. Nadaban S., **Dzitac I.**, Special Types of Fuzzy Relations, 2nd International Conference on Information Technology and Quantitative Management, ITQM 2014, *Procedia Computer Science*, 31C: 552-557, 2014.
(ISI WOS:000360713800063/ **Proceedings Paper**, 1 cit. GS)
<http://dx.doi.org/10.1016/j.procs.2014.05.301>
4. Benta D., Bologna G., **Dzitac I.**, E-learning Platforms in Higher Education. Case Study, 2nd International Conference on Information Technology and Quantitative Management, ITQM 2014, *Procedia Computer Science*, 31C,:1170-1176, 2014.
(ISI WOS:000360713800135/ **Proceedings Paper**, 22 cit. GS).
[doi:10.1016/j.procs.2014.05.373](http://dx.doi.org/10.1016/j.procs.2014.05.373)
5. Vesselenyi T., **Dzitac I.**, Dzitac S., Hora C., Porumb C., Preliminary Issues On Brain - Machine Contextual Communication Structure Development, *SOFA 2009, IEEE Proceedings*, ISBN 978-1-4244- 5054-1, pp. 35-40, 2009.
(ISI WOS:000275159600007/**Proceedings Paper**, 0 cit. GS).
[10.1109/SOFA.2009.5254882](http://dx.doi.org/10.1109/SOFA.2009.5254882)
6. Hora C., Vesselenyi T., Dzitac S. , **Dzitac I.**, Hora H., Wear Simulation through Cellular Automata Method, *2009 IEEE Proceedings*, ISBN 978-1-4244-5054-1, pp. 41-46, 2009.
(ISI WOS:000275159600008/ **Proceedings Paper**, 2 cit. GS)
DOI: [10.1109/SOFA.2009.5254879](http://dx.doi.org/10.1109/SOFA.2009.5254879)
7. **Dzitac I.** , Moisil I., Advanced AI Techniques for Web Mining, *Proc. of MAMECTIS '08*, ISSN 1790-2769, pp. 343-346, 2008.
(ISI WOS:000262507100062/**Proceedings Paper**, 17 cit. GS).
<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.325.5536&rep=rep1&type=pdf>

E3. Scientific articles published in journals indexed in international databases

1. Dzitac S., Vesselenyi T., **Dzitac I.**, Pârnu M., A Fuzzy Algorithm for Reliability. Simulation of an Electric Station, *ROMAI J*, 5(2):49-58, 2009.
<http://rj.romai.ro/arhiva/2009/2/RJv5n2-DzitacS.pdf>
2. Vesselenyi T., Dzitac S. ,**Dzitac I.**, Vesselenyi I., An Experimental Setup for a Brain-Computer Interface, *Annals of the Oradea University. Fascicle of Management and Technological Engineering*, Vol. 8 (XVIII), pp. 888-891, 2009.
http://imtuoradea.ro/auo.fmte/files-2009/MECATRONICA_files/VESSELENYI%20Tiberiu%20.pdf
3. **Dzitac I.**, A letter from the associate editor in chief, *International Journal of Computers, Communications & Control*, 3(3):220-220, 2008 (Letter, Scopus).
http://www.worldcat.org/title/a-letter-from-the-associate-editor-in-chief/oclc/281241785&referer=brief_results
4. Dzitac S., Goia H., **Dzitac I.**, Carlan M., Optimization of the Number of Executans in Maintenance Works, *ROMAI J.*, ISSN 841-5512, Vol. 3, pp. 125-140, 2007
(MathSciNet MR2670875 90B25)
<http://rj.romai.ro/arhiva/2007/2/RJv3n2-Dzitac.pdf>
5. Pop B., **Dzitac I.**, (2007), Mixed Variables Fuzzy Programming Algorithm, *Studies in Informatics and Control*, ISSN 1220-1766, 17(2):185-190, 2007.
(Zbl. 1265.90094)

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.
DOI: [10.3182/20070927-4-RO-3905.00115](https://doi.org/10.3182/20070927-4-RO-3905.00115)
7. Pop B., **Dzitac I.** , Fuzzy Control Rules in Convex Optimization, *Studies in Informatics and Control*, ISSN 1220-1766, 16(4): 363-366, 2006.
<http://sic.ici.ro/>
8. Pop B., **Dzitac I.**, (2006), On Choosing Proper Linguistic Description for Fractional Functions in Fuzzy Optimization, *Acta Univ. Apulensis, Math. and Informatics*, ISSN 1582-5329, No. 12, pp. 63-72, 2006.
http://auajournal.uab.ro/upload/44_49_art_extins.pdf
9. **Dzitac I.**, Dzitac S., Valeanu E., Synchronous and Asynchronous Parallelization of Some Classical Methods For Systems Resolution, *Studii si Cercetari Stiintice, Ser. Mat. Univ. Bacau*, ISSN 1224-2519, No. 16 (Suppl.): pp. 409-422, 2006.
(MathSciNet MR2318969 65H10 65Y05 68W10).
10. **Dzitac I.**, Pop B., (2006), On Triangular Fuzzy Numbers Arithmetic Approximations in Linear Optimization, *Bull. Transilv. Univ. Brasov Ser. B*, ISSN 1223-964X, Vol. 48, pp. 15-20, 2006.
<https://zbmath.org/journals/?q=se:00002935>
http://but.unitbv.ro/BU2008/Arhiva/BU2006/BULETIN%20B%20PDF/001-B-DZITA_06.pdf
11. Dzitac S., Vesselenyi T., **Dzitac I.**, A MATLAB program based finite element method for computing and simulation Lorentz power of magnetic field, *ROMAI J.*, 2(2):55-62, 2006.
(MathSciNet MR2648042 78-04). (Zbl. 1265.78013)
<http://rj.romai.ro/arhiva/2006/2/RJv2n2-Dzitac.pdf>
12. Veres M., **Dzitac I.**, Hora C., Dzitac S., Experimental results on simulation models of hydro-energetic equipments dynamic behaviour, *ROMAI J.*, ISSN 841-5512, 1(2):183-190, 2005.
<http://rj.romai.ro/arhiva/2005/2/RJv1n2-Veres.pdf>
13. Lupse V., **Dzitac I.** (2005), Survey of the ERP Systems for Small and Medium Entreprises, *An. Univ. din Oradea, Fasc. Electrotehnica, St. Calculatoarelor si sistemelor*, ISSN 1223-2106, pp. 68-75, 2005.
14. Veres M., **Dzitac I.**, Hora C., On Simulation Models of the Dynamic Behaviour of the Hydro Energetic Equipments, *ROMAI J.*, ISSN 841-5512, 1(1): 205-208, 2005.
15. Lupse V., **Dzitac I.**, A design based of object programming of a module of integrated ERP systems of small and medium enterprises, *Acta Univ. Apulensis, Math. and Informatics*, ISSN 1582-5329, Nr. 10, pp. 275-282, 2005.
(Zbl. 1113.90320 90B30)
<http://www.emis.ams.org/journals/AUA/acta10/27-Dzitac-figurile/template.pdf>
16. **Dzitac I.**, Dzitac S., Oros H., Some parallel procedures for computing the eigenvalues of a real symmetric matrix, *Acta Univ. Apulensis Math. Inform.*, ISSN 1582-5329, No. 6, pp. 111-116, 2003.
(MathSciNet MR2060693 65F15)
http://www.emis.ams.org/journals/AUA/acta6/13_Dzitac-ICTAMI.pdf
17. **Dzitac I.**, A Serial Program for Simulation of RFAIM Method, *Bul. Stiint. , Univ. Pitesti, Ser. Mat. Inf.*, ISSN 1453-116x, Nr. 9, pp. 119-128, 2003 .
18. **Dzitac I.**, Dzitac S. , Oros H. , (2003), Some Parallel Procedures For Nonlinear System Resolution, *Bul. Stiint. , Univ. Pitesti, Ser. Mat. Inf.*, Nr. 9, pp. 129-138, 2003, ISSN 1453-116x.
19. **Dzitac I.**, Dzitac S., Oros H. (2003), Some parallel procedures for computing the eigenvalues of a real symmetric matrix, *Acta Univ. Apulensis Math. and Informatics*, ISSN 1582-5329, Nr. 6, pp. 111-116, 2003.
http://www.emis.ams.org/journals/AUA/acta6/13_Dzitac-ICTAMI.pdf

20. **Dzitac I.**, Dzitac S., Oros H. (2002), Some Asynchronous Iterative Procedures For Fixed Point System Resolution, *Carpathian Journal of Mathematics/Bul. St. Univ. Baia Mare*, Seria B, Mat. Inf., ISSN 1584-2851, Vol. XVIII, Nr. 2, pp. 205-210, 2002.
[http://carpathian.ubm.ro/?m=past_issues&issueno=Vol.%2018%20\(2002\).%20No.%202](http://carpathian.ubm.ro/?m=past_issues&issueno=Vol.%2018%20(2002).%20No.%202)
21. **Dzitac I.** (2001), A binary graph for the parallel architecture, *The PAMM's periodical Bull. for Appl. & Computer Mathematics*, BAM - 1906/2001 (XCVI - C), Budapest, pp. 151-164, 2001, ISSN 0133-3526.
<https://zbmath.org/journals/?q=se:00000792>
22. **Dzitac I.** (2001), Parallel Solving a System of Nonlinear Equations, *The PAMM's periodical Bull. for Appl. & Computer Mathematics*, BAM - 1905/2001 (XCVI - C), Budapest, ISSN 0133-3526, pp. 141-150, 2001.
<https://zbmath.org/journals/?q=se:00000792>
23. **Dzitac I.**, Random-filtered asynchronous iterative method, *Carpathian Journal of Mathematics/Bul. Stiint. Univ. Baia Mare Ser. B Fasc. Mat.-Inform.*, Vol.16, no. 1, pp. 17-24, 2000.
(MathSciNet MR1832120 65J15 65H10).
[http://carpathian.ubm.ro/index.php?m=past_issues&issueno=Vol.%2016%20\(2000\).%20No.%201](http://carpathian.ubm.ro/index.php?m=past_issues&issueno=Vol.%2016%20(2000).%20No.%201)
24. **Dzitac I.**, "Parallel" and "concurrent" in informatics vocabulary, *An. Univ. Oradea Fasc. Mat.*, Vol.6, pp. 30-34, (1997/1998).
(MathSciNet MR1729867 68Q10)

F. Other works and scientific contributions

F1. Editorial and biographical materials published ISI Web of Science indexed journals

1. Filip F.G., **Dzitac I.**, Editorial Challenge: From a Quarterly to a Bimonthly Journal, *International Journal of Computers Communications & Control*, 7(5):796-797, 2012.
(ISI WOS:000310664900001/Editorial Material, IF/JCR2014=0,746)
<http://dx.doi.org/10.15837/ijccc.2012.5.1074>
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.
(ISI WOS:000257497600001 Editorial Material, IF=0,627)
<http://dx.doi.org/10.15837/ijccc.2008.5>
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.
(ISI WOS:000255333000001/Biographical-Item, IF/JCR2014=0,746)
<http://dx.doi.org/10.15837/ijccc.2007.3>
4. Filip F.G., **Dzitac I.**, Acad. Solomon Marcus at 85 Years (A Selective Bio-bibliography), *International Journal of Computers Communications & Control*, 5(2):144-147, 2010.
(ISI WOS:000275741400001 Biographical-Item, IF/JCR2014=0,746)
<http://dx.doi.org/10.15837/ijccc.2010.2>

F2. Contributions/participation in national and international conferences

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 Third 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 of 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. [ICCCC 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. [ASITELSO9](#), 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 electrotehnologies, 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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Prof.univ.dr. Ioan DZITAC

