

LISTA DE LUCRĂRI

A. 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>

B. Brevete de invenție și alte titluri de proprietate industrială

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C. 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.
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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.
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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.
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7. **I. Dzitac**, *Matematică economică*, ISBN 973-86723-2-5, Ed. Univ. Agora, 2005. 292 p. (suport de curs)
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9. **I. Dzitac**, B. Bede, S. Dzitac, A. Madar, G.I. Oros, *Analiză matematică: Calcul diferențial*, ISBN 973-613-050-9, Ed. Univ. din Oradea, 2001. 207 p. (suport de curs)

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10. **I. Dziţac**, L. Seremi, S. Dziţac, A. Cătaş, G. I. Oros, *Matematici speciale- Elemente de algebră, Geometrie analitică, Probabilităţi*, ISBN 973-613-044-4, Ed. Univ. din Oradea, 2001. 247 p. (suport de curs)
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 11. **I. Dzitac**, 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)
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 13. D. Benţa, **I. Dziţac**, *Baze de date în economie. Lucrări practice de laborator*, Ed. Universităţii Agora, ISBN 978-973-1807-50-8, 2013. 111 p. (suport de laborator)
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 14. G. Oros, A. Cătaş, G.I. Oros, **I. Dziţac**, S. Dziţac, *Functii complexe - Culegere de probleme*, ISBN 973-613-396-6, Ed. Univ. din Oradea, 2003. 236 p. (suport de seminar)
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 16. **I. Dziţac**, M. Pantea, S. Dziţac, *Ghid metodic:Algebra de liceu-clasa IX-a*, ISBN973-8193-01 – X, Ed. Univ. din Oradea, 2000. 178 p. (suport de seminar)
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<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.
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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.
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D3. Capitate 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)
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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.
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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.
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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.
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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.
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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)
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2. Stanojevic B., **Dzitac I.**, Dzitic 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.
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<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)
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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.
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5. Nadaban S., **Dzitac I.**, Atomic Decompositions of Fuzzy Normed Linear Spaces for Wavelet Applications, *Informatica*, ISSN: 0868-4952, 25(4):643-662, 2014.
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6. Felea I., Dzitic 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.
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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.
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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.

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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).
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E3. Articole științifice publicate în reviste de specialitate indexate în baze de date internaționale

1. Dzitac S., Vesselenyi T., **Dzitac I.**, Pârv M., A Fuzzy Algorithm for Reliability. Simulation of an Electric Station, *ROMAI J*, 5(2):49-58, 2009.
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F. Alte lucrări și contribuții științifice

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

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)
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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.
(ISI WOS:000257497600001 Editorial Material, IF=0,627)
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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. [ICCC2016](#), 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. [ASITEL09](#), 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. [ICCC 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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