

Fișa de verificare a îndeplinirii criteriilor minimale
corespunzătoare domeniului Informatică

a) Etica cercetării

Subsemnatul, Petrica Pop Sitar, am respectat toate normele de etica a cercetării și prin urmare perspectiva a) o evaluez cu calificativul: **îndeplinit**.

b) Producția științifică

| Productia stiintifica | Categoria | Punctaj |
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| 1. O. Matei, P.C. Pop , I. Sas si C. Chira, An improved immigration memetic algorithm for solving the heterogeneous fixed fleet vehicle routing problem, <i>Neurocomputing</i> , Vol. 150, Part A, pp. 58-66, 2015. | A | 4 |
| 2. B. Ries, M. Demange, J. Monnot and P.C. Pop , On the complexity of the selective graph coloring problem in some special classes of graphs, <i>Theoretical Computer Science</i> , Elsevier, Vol. 540-541, pp. 89-102, 2014. | A | 4 |
| 3. P.C. Pop and C. Chira, A hybrid approach based on genetic algorithms for solving the clustered vehicle routing problem, <i>IEEE Congress on Evolutionary Computation (CEC-2014)</i> , pp. 1421-1426, Beijing, China, 6-11 July 2014. | A | 8 |
| 4. O. Matei, D. Contras and P.C. Pop , Applying evolutionary computation for evolutionary ontologies, <i>IEEE Congress on Evolutionary Computation (CEC-2014)</i> , pp. 1520-1527, Beijing, China, 6-11 July 2014. | A | 8 |
| 5. G.C. Crisan, C.M. Pintea and P.C. Pop , On the resilience of an ant-based system in fuzzy environments. An empirical study, <i>IEEE International Conference on Fuzzy Systems (FUZZ-2014)</i> , pp. 2588-2593, Beijing, China, 6-11 July 2014. | A | 8 |
| 6. P.C. Pop , O. Matei and C. Pop Sitar, An Improved Genetic Algorithm for Solving the Generalized Vehicle Routing Problem, <i>Neurocomputing</i> , Vol. 109, pp. 76-83, 2013. | A | 8 |
| 7. P.C. Pop and S. Iordache, A Hybrid Heuristic Approach for Solving the Generalized Traveling Salesman Problem, <i>Proc. of GECCO 2011, Association for Computing Machinery</i> , pp. 481-488, 2011. | A | 8 |
| 8. P.C. Pop , C. Pintea and C. Pop Sitar, An ant colony based approach to the Railway Travelling Salesman Problem, <i>Proc. of EvoStar 2007, Lecture Notes in Computer Science</i> , Vol. 4448, pp. 702-711, Springer Verlag, 2007. | A | 8 |
| 9. P.C. Pop , W. Kern and G. Still, A New Relaxation Method for the Generalized Minimum Spanning Tree Problem, <i>European Journal of Operational Research</i> (IF=2.038, RIS=1.436), Elsevier, Vol. 170, pp. | A | 8 |

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| 10. C.M. Pinteaa and P.C. Pop , An improved hybrid algorithm for capacitated fixed-charge transportation problem, Logic Journal of IJPL, DOI: 10.1093/jigpal/jzv014, in press. | A | 8 |
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| 11. P.C. Pop , C.-M. Pinteaa, C. Pop Sitar and M. Hajdu-Macelaruu, An efficient reverse distribution system for solving a sustainable supply chain network design problem, Journal of Applied Logic, Elsevier, Vol. 13(2), Part A, pp. 105-113, 2015. | B | 2 |
| 12. C. Pinteaa and P.C. Pop , Sensitive Ants for Denial Jamming Attack on Wireless Sensor Network, in Proc. of CISIS 2013, Advances in Intelligent Systems and Computing Volume 239, pp 409-418, 2014. | B | 4 |
| 13. P.C. Pop and O. Matei, A memetic algorithm approach for solving the multidimensional multi-way number partitioning problem, Applied Mathematical Modelling (IF=1.706, RIS=1.654), Elsevier, Vol. 37, Issue 22, pp. 9191-9202, 2013. ISSN: 0307904X | B | 4 |
| 14. O. Matei, P.C. Pop and H. Valean, Optical Character Recognition in Real Environments using Neural Networks and k-Nearest Neighbor, Applied Intelligence, Springer, Vol. 39(4), pp. 739-748, 2013. | B | 4 |
| 15. C. Pinteaa and P.C. Pop , Sensor Networks Security Based on Sensitive Robots Agents: A Conceptual Model, in Proc. of CISIS 2012, Advances in Intelligent Systems and Computing, Springer, Vol. 189, pp. 47-56, 2013. | B | 4 |
| 16. P.C. Pop , I. Kara and A. Horvat Marc, New Mathematical Models of the Generalized Vehicle Routing Problem and Extensions, <i>Applied Mathematical Modelling</i> (IF=1.706, RIS=1.654), Elsevier, Vol. 36(1), pp. 97-107, 2012. ISSN: 0307904X | B | 4 |
| 17. P.C. Pop and C. Pop Sitar, New Models of the Generalized Fixed-Charge Network Design Problem, Carpathian Journal of Mathematics (IF=0.852), Vol. 28, No.1, pp. 143-150, 2012. | B | 4 |
| 18. P.C. Pop , A survey of different integer programming formulations of the generalized minimum spanning tree problem, Carpathian Journal of Mathematics (IF=0.852), Vol. 25, No. 1, pp. 104-118, 2009. | B | 4 |
| 19. C.M. Pinteaa, D. Dumitrescu and P.C. Pop , Combining heuristics and modifying local information to guide ant-based search, Carpathian Journal of Mathematics, Vol. 24, No. 1, pp. 94-103, 2008. | B | 4 |
| 20. C. Pinteaa, C. Chira, D. Dumitrescu, and P.C. Pop , A Sensitive Metaheuristic for Solving a Large Optimization Problem, in Proc. of SOFSEM 2008, Lecture Notes in Computer Science, Vol. 4910, pp. 551-559, 2008. | B | 2 |
| 21. P.C. Pop , On the Prize-Collecting Generalized Minimum Spanning Tree Problem, Annals of Operations Research, (IF=1.029, RIS=1.064) Springer, Vol. 150, No. 1, pp. 193-204, 2007. ISSN: 02545330 | B | 4 |
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| 27. P.C. Pop and O. Matei, A genetic algorithm approach for the multidimensional two-way number partitioning problem, in Proc. of LION 7, G. Nicosia et al. (Eds.), <i>Lecture Notes Computer Science</i> , Springer, Vol. 7997, pp. 81-86, 2013. | C | 2 |
| 28. P.C. Pop and O. Matei, Increasing the antibandwidth of sparse matrices by a genetic algorithm, in Proc. of IEA-AIE 2013, Lecture Notes in Computer Science, Springer, 2013 | C | 2 |
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| 42. P.C. Pop, C. Pinteá, C. Pop Sitar and D. Dumitrescu, A Bio-Inspired Approach for a Dynamic Railway Problem, in Proc. of SYNASC 2007, pp. 449-453, IEEE Computer Society Press, 2007. | C | 2 |
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| 48. L. Fuksz, P.C. Pop and I. Zelina, Heuristic algorithms for solving the bi-dimensional two-way number partitioning problem, Studia Universitatis Babes-Bolyai, Series Informatica, Vol. LVIII, No. 3, pp. 17-28, 2013. | D | 1 |
| 49. P.C. Pop and A. Horvat Marc, Local Search Heuristics for the Generalized Vehicle Routing Problem, in Proc. of ICSMO 2012, IACSIT Press, Vol. 23, pp. 84-88, 2012. | D | 1 |
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| TOTAL jurnale și conferințe din categoria A + B + C | | 154.32 |
| TOTAL jurnale și conferințe din categoria A + B | | 114 |

c) Impactul rezultatelor

| Numarul publicati ei care citeaza | Referinta bibliografica a publicatiei k care citeaza | S_k | $\sum_k S_k$ | n_i | $\frac{\sum_k S_k}{\max(1, n_i - 2)}$ |
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| | pp. 164-169, 2014. | | | | |
| 2. | E. Owusu, Y. Zhan and Q.R. Mao, An SVM-AdaBoost facial expression recognition system, <i>Applied Intelligence</i> , Springer, Vol. 40, Issue 3, pp. 536-545, 2014. | 4 | | | |
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| 2. | L. Kota and K. Jarmai, Mathematical Modeling of Multiple Tour Multiple Traveling Salesman Problem Using Evolutionary Programming, <i>Applied Mathematical Modelling</i> , to appear. | 4 | | |
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| C. Pinteá, P.C. Pop and C. Chira, Reinforcing Ant Colony System for the Generalized Traveling Salesman Problem, Proceedings of International Conference Bio-Inspired Computing-Theory and Applications (BIC-TA), Wuhan, China, Vol. Evolutionary Computing Section, pp. 245-252, 2006. | | 5 | 3 | 5 |
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| 17. | B. Hu, Hybrid metaheuristics for generalized network design problems, PhD thesis, Technical University of Vienna, Austria, 2008. | 1 | | | |
| 18. | D. Stanojevic, Optimization of Contemporary Telecommunications Networks: Generalized Spanning Trees and WDM Optical Networks, PhD thesis, University of Maryland, USA, 2005. | 1 | | | |
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| P.C. Pop, W. Kern and G. Still, An approximation algorithm for the generalized minimum spanning tree problem with bounded cluster size. Memorandum, No. 1577, University of Twente, the Netherlands, 2001. | | 53 | 3 | 53 | |
| 1. | C. Feremans, M. Labbe and G. Laporte, Generalized network design problems, <i>European Journal of Operational Research</i> 148 (1), pp. 1-13, 2003. ISSN: 03772217 | 8 | | | |
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| | <i>Intelligence Symposium (SIS)</i> , art. No. 1501603, pp. 63-70, 2005. | | | |
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| 10. | C. Feremans, Generalized Spanning Trees and Extensions, Universite Libre de Bruxelles, Belgium, 2001. | 1 | | |
| 11. | D. Stanojevic, Optimization of Contemporary Telecommunications Networks: Generalized Spanning Trees and WDM Optical Networks, PhD thesis, University of Maryland, USA, 2005. | 1 | | |
| P.C. Pop , W. Kern and G. Still, The generalized minimum spanning tree problem, Memorandum, No. 1542, University of Twente, the Netherlands, 2000. | | 37 | 3 | 37 |
| 1. | C. Feremans, M. Labbe and G. Laporte, A Comparative Analysis of Several Formulations for the Generalized Minimum Spanning Tree Problem, <i>Networks</i> 39 (1), pp. 29-34, 2002 | 8 | | |
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| 7. | C. Feremans, Generalized Spanning Trees and Extensions, Universite Libre de Bruxelles, Belgium, 2001. | 1 | | |
| TOTAL citări în forumuri de tip A și B | | 564 | | |
| TOTAL citări | | 670.91 | | |

d) Performanța academică

| Performanța academică | Punctaj |
|--|---|
| <p>Cărți autor/editate și capitole publicate în edituri de categoria (conform clasamentului SENSE):</p> <ol style="list-style-type: none"> 1. P.C. Pop, Generalized Network Design Problems. Modelling and Optimization, Series in Discrete Mathematics and Applications, De Gruyter, 2012. 2. P.C. Pop, The generalized minimum spanning tree problem, Twente University Press, 2002 3. P.C. Pop, Cercetari Operationale, Editura RisoPrint, 2005. 4. P.C. Pop, Modelare si Programare Matematica. Teorie si Aplicatii, Editura Universitatii de Nord Baia Mare, 2009. | <p>4 puncte</p> <p>4 puncte</p> <p>2 puncte</p> <p>2 puncte</p> |
| total | 12 puncte |
| <p>Director/editor al unei reviste de tip: A B C D</p> <ol style="list-style-type: none"> 1. Managing Editor, Carpathian Journal of Mathematics, ISSN: 1584 – 2851, factor impact: 0.906 (2011), 0.852 (2012). | 12 puncte |
| total | 12 puncte |
| <p>Director (coordonator/responsabil), membru al unui grant/proiect/contract/program de cercetare național/internațional</p> <p>PROIECTE/GRANTURI INTERNATIONALE</p> <ol style="list-style-type: none"> 1. Hybrid bi-level optimization approaches for generalized network design problems, bilateral project between Romania and Austria, 2014-2015 - director 2. Collaborative Environment for Eco Design of Product Services and Production Processes Integrating highly personalized innovative functions, 2013-2017 – membru 3. Algorithmic Discrete Optimization Network (nr. Contract 504438), Universitatea Tehnica din Viena, Austria, August - Noiembrie 2005 - membru 4. Algorithmic Methods for optimizing Railways in Europe (nr. contract HPRN-CT-1999-00104), Computer Technology Institute, Universitatea din Patras, Grecia, Februarie 2003 - Februarie 2004 – membru 5. The selective graph coloring problem", grant PHC Bosphore 26284RB, EGIDE, 2012-2013 – membru 6. Radon ICIAM grant, Johann Radon Institute for Computational and Applied Mathematics, Austrian Academy of Sciences, iulie 2007 – membru | <p>2 puncte</p> <p>3 puncte</p> <p>4 puncte</p> <p>4 puncte</p> <p>1 punct</p> <p>1 punct</p> |

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| 7. Grant NATO (Senior fellowship) perioada August - Octombrie 2004, cercetator la Instituto per le Applicazioni del Calcolo "M. Picone", Bari, Italia – membru | 1 punct |
| PROIECTE/GRANTURI NATIONALE | |
| 1. Noi metode hibride metaeuristice pentru rezolvarea problemelor de proiectare a retelelor, PN-II-RU-TE-2011-3-0113, 2011-2014 – director | 6 puncte |
| 2. Metode algoritmice de rezolvare a problemelor de optimizare combinatorica, programul Centre de cercetare de excelenta CEEEX, ET34/2006, 2006-2008 – director | 2 puncte |
| 3. Probleme de modelare, optimizare si securitate in retele IT, executant Universitatea de Nord, beneficiar Programming Pool, 2006 – director | 2 puncte |
| 4. Cercetari privind optimizarea proceselor in cadrul companiei Universal Alloy Corporation SRL, 2013 – director | 2 puncte |
| 5. Proiect de cofinantare a participarii Romaniei la PC 7, Innovative design of personalized product-services and of their production process based on collaborative environments, 2014-2017, 171770 RON – membru | 1 punct |
| 6. Cercetarea, dezvoltarea si implementarea gestionarii informatice a documentelor, ANCS, 2010-2013 – membru | 4 puncte |
| 7. Metode numerice eficiente, cu aplicatii pe supercalculatoare, CEEEX, 2008 – membru | 3 puncte |
| total | 36 puncte |
| Membru în comitetul științific (de program) al unor conferințe, simpozioane, workshop-uri, de tip: A B C D | |
| 1. Genetic and Evolutionary Computation Conference (GECCO), Madrid, Spain, 11-15 July 2015. | 4 puncte |
| 2. Genetic and Evolutionary Computation Conference (GECCO), Vancouver, Canada, 12-16 July 2014. | 4 puncte |
| 3. Genetic and Evolutionary Computation Conference (GECCO), Amsterdam, Olanda, 6-10 July, 2013. | 4 puncte |
| 4. Genetic and Evolutionary Computation Conference (GECCO), Philadelphia, USA, 7-11 July, 2012. | 4 puncte |
| 5. Genetic and Evolutionary Computation Conference (GECCO), Dublin, Irlanda, 12-16 July, 2011. | 4 puncte |
| 6. 5-th International Workshop on Nature Inspired Cooperative Strategies for Optimization (NICSO 2011), Cluj-Napoca, Romania, 20 - 22 October 2011. | 2 puncte |
| 7. IEEE International Conference on Computers, Software & Applications (COMSAC 2013), Kyoto, 22 – 26 July, 2013, compsoc-2013.cs.iastate.edu/admnet2013.php | 2 puncte |
| 8. International Symposium on Applications and the Internet (SAINT 2012), 16 - 20 July 2012, Izmir, Turkey. | 1 punct |
| 9. 10-th International Conference on Hybrid Artificial Intelligent Systems (HAIS 2014), 22th-24-th June 2015, Bilbao, Spain. | 1 punct |
| 10. 9-th International Conference on Hybrid Artificial Intelligent Systems (HAIS 2014), 11th-13th June 2014, Salamanca, Spain. | 1 punct |

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| 11. 8-th International Conference on Hybrid Artificial Intelligent Systems (HAIS 2013), 11th-13th September 2013, Salamanca, Spain. | 1 punct |
| 12. 7-th International Conference on Hybrid Artificial Intelligent Systems (HAIS 2012), 28th-30th March 2012, Salamanca, Spain. | 1 punct |
| 13. 6-th International Conference on Hybrid Artificial Intelligent Systems (HAIS 2011), 23rd-25th May 2011, Wroclaw, Poland. | 1 punct |
| 14. 5-th International Conference on Hybrid Artificial Intelligent Systems (HAIS 2010), 23rd-25th June 2010, San Sebastian, Spain. | 1 punct |
| 15. 3rd International Conference on Agents and Artificial Intelligence (ICAART 2011), Rome, Italy, 28-30 January 2011. | 1 punct |
| 16. International Conference on Evolutionary Computation, (ICEC 2010), Valencia, Spain, 24-26 October 2010. | 1 punct |
| 17. 12th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC 2010), Timisoara, Romania, 23-26 September, 2010. | 1 punct |
| 18. 11-th th International Conference on Natural Computing (ICNC'15), Zhangjiajie, China, 15-17 August, 2015. | 1 punct |
| 19. 10-th International Conference on Natural Computing (ICNC'14), Xiamen, China, 19-21 August, 2014 http://icnc-fskd.xmu.edu.cn/program_committees.htm | 1 punct |
| 20. 9-th International Conference on Natural Computing (ICNC'13), Shenyang, China, 23-25 July, 2013 | 1 punct |
| 21. 7-th International Conference on Natural Computing (ICNC'11), Shanghai, China, 26-28 July, 2011 | 1 punct |
| 22. 6-th International Conference on Natural Computing (ICNC'10), Yantai, China, 10-12 August 2010. | 1 punct |
| 23. 7th Workshop on Computational Optimization (WCO'14), Warsaw, Poland, 7 - 10 September, 2014 | 1 punct |
| 24. 14 th International Conference on Intelligent Systems Design and Applications (ISDA 2014), Okinawa, Japan, 27-30 November, 2014. http://www.mirlabs.org/isda14/committees.php | 1 punct |
| 25. 6 th International Conference on Evolutionary Computation Theory and Applications, 24-26 October, 2014, Rome, Italy http://www.ecta.ijcci.org/ProgramCommittee.aspx | 0,5 puncte |
| 26. 15th EU/ME Workshop Metaheuristics and Engineering, Istanbul, Turkey on March 24-25, 2014 | 0,5 puncte |
| 27. IEEE International Conference on Automation, Quality and Testing, Robotics AQTR 2014, May 22-24 2014, Cluj-Napoca, Romania | 0,5 puncte |
| 28. Soft Computing Techniques for Time-Series Analysis, SCTTSA – SOFA 2014, 24-26 July, Timisoara, Romania http://www.sofa2014.org/documents/Special_Session_SCTTSA-SOFA-2014-SSProposal.pdf | 0,5 puncte |
| 29. 6 th International Conference on Soft Computing and Pattern Recognition, SoCPaR 2014, Tunis, Tunisia, 11-14 August 2014, http://www.mirlabs.org/socpar14/committees.php | 0,5 puncte |
| 30. First Afro-European Conference for Industrial Advancement (AECIA 2014), 17-19 November, 2014, Addis Ababa, Ethiopia. | 0,5 puncte |
| 31. International Conference on Evolutionary Computation Theory and | 0,5 puncte |

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| Applications (ECTA 2015), 12-14 November, 2015, Lisbon, Portugal. | |
| 32. International Conference on Evolutionary Computation Theory and Applications (ECTA 2014), 22-24 October, 2014, Roma, Italy. http://www.ecta.ijcci.org/ProgramCommittee.aspx | 0,5 puncte |
| 33. International Conference on Evolutionary Computation Theory and Applications (ECTA 2012), 5-7 October, 2012, Barcelona, Spain. | 0,5 puncte |
| 34. International Conference on Evolutionary Computation Theory and Applications (ECTA 2011), 24-26 October, 2011, Paris, France. | 0,5 puncte |
| 35. 6 th World Congress on Nature and Biologically Inspired Computing (NaBIC 2014), Porto, Portugal, 30 July -1 August 2014. | 0,5 puncte |
| 36. 5 th World Congress on Nature and Biologically Inspired Computing (NaBIC 2013), Fargo, North Dakota, US, 12-14 August 2013. | 0,5 puncte |
| 37. 4 th World Congress on Nature and Biologically Inspired Computing (NaBIC 2012), Mexico City, Mexico, 5-9 November 2012. | 0,5 puncte |
| 38. 3rd World Congress on Nature and Biologically Inspired Computing (NaBIC 2011), Salamanca, Spain, 19-21 October 2011. | 0,5 puncte |
| 39. 10-th International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO 2015), 15th-17th June, 2015, Burgos, Spain. | 0,5 puncte |
| 40. 9-th International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO 2014), 25th - 27 th June 2014, Bilbao, Spain. | 0,5 puncte |
| 41. 8-th International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO 2013), 11th - 13 th September 2013, Salamanca, Spain. | 0,5 puncte |
| 42. International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO 2012), 5th - 8th September 2012, Ostrava, Czech Republic. | 0,5 puncte |
| 43. International Conference on Soft Computing Models in Industrial and Environmental Applications (SOCO 2011), Salamanca, Spain, 6th - 8th April 2011. | 0,5 puncte |
| 44. International Conference on Evolutionary Computation, (ICEC 2010), Valencia, Spain, 24-26 October 2010. | 0,5 puncte |
| 45. International Conference on Applied Mathematics, ICAM 9, Baia Mare, 25-28 Septembrie 2013. | 0,5 puncte |
| 46. International Conference on Applied Mathematics, ICAM 8, Baia Mare, 27-30 Octombrie 2011. | 0,5 puncte |
| 47. International Conference on Applied Mathematics, ICAM 7, Baia Mare, 1-4 Septembrie 2010. | 0,5 puncte |
| 48. 18th Online World Conference on Soft-Computing in Industrial Applications (WSC18), 1-12 December 2014. http://www.fti.itb.ac.id/wsc18/program-committee/ | 0,5 puncte |
| 49. 17th Online World Conference on Soft-Computing in Industrial Applications (WSC17), 10-21 December 2012. http://dap.vsb.cz/wsc17/organization.html | 0,5 puncte |
| 50. 16th Online World Conference on Soft-Computing in Industrial Applications (WSC16), 5-16 December 2011. http://wsc16.cs.lboro.ac.uk/Organization.html | 0,5 puncte |
| 51. International Conference on Computer Information Systems and Industrial Applications (CISIA2015), June 28-29, 2015, Bangkok, Thailand. | 0,5 puncte |
| total | 54,5 puncte |

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| Membru în comitetul de organizare a unor conferințe științifice: | |
| 1. Membru in comitetul de organizare al conferinței: International Conference on Applied Mathematics, ICAM 9, Baia Mare, 25-28 Septembrie 2013. | 1 punct |
| 2. Membru in comitetul de organizare al conferinței: International Conference on Applied Mathematics, ICAM 8, Baia Mare, 27-30 Octombrie 2011. | 1 punct |
| 3. Membru in comitetul de organizare al conferinței: International Conference on Applied Mathematics, ICAM 7, Baia Mare, 1-4 Septembrie 2010. | 1 punct |
| 4. Membru in comitetul de organizare al conferinței: International Conference on Applied Mathematics, ICAM 6, Baia Mare, 18-21 Septembrie 2008. | 1 punct |
| 5. Membru in comitetul de organizare al conferinței: International Conference on Applied Mathematics, ICAM 5, Baia Mare, 21-24 Septembrie 2006. | 1 punct |
| total | 5 puncte |
| Membru în comisii de evaluare a tezelor de doctorat la o universitate din top: 100 200 500 1000 | |
| 1. Membru in comisia de evaluare a tezei de doctorat elaborate de C. Pintea, Universitatea Babes-Bolyai, Cluj-Napoca, 2008. | 0,5 puncte |
| 2. Membru in comisia de evaluare a tezei de doctorat elaborate de O. Matei, Universitatea Tehnica din Cluj-Napoca, 2012. | 0,5 puncte |
| total | 1 punct |
| Brevete si inventii active (OSIM, ORDA, etc.) | |
| 1. C.N. Sabo, P.C. Pop and N. Tomai, SYSTEM AND PROCESS FOR DYNAMIC GENERATION OF COMPUTER APPLICATION INTERFACES, patent number RO128876-A0, 2012. | 8 puncte |
| 2. C.N. Sabo, N. Tomai and P.C. Pop , SYSTEM AND PROCESS FOR THE AUTOMATIC ANALYSIS OF THE COMMUNICATION LANGUAGE BETWEEN TWO INFORMATIC SYSTEMS, patent number RO128954-A0, 2013. | 8 puncte |
| total | 16 puncte |
| Consolidarea de echipe de cercetare dovedită prin publicații, participări în proiecte, dezvoltarea de instrumente software, resurse și colecții de date de largă utilitate | |
| Am format o echipa de cercetare in domeniul optimizarii combinatoriale devedita prin publicatii si participari in proiecte de cercetare. Membrii echipei sunt: C. Pintea, O. Matei, A. Horvat Marc, I. Zelina, C. Pop Sitar, C. Sabo, L. Fucsz si Macelaru Mara. | 8 x 6 = 42 puncte |
| total | 48 puncte |
| Premii și alte merite (la decizia universității sau institutului de cercetare) | |
| Premiu pentru rezultate deosebite obtinute in cercetare Universitatea Tehnica din Cluj-Napoca, 2012. | 10 puncte |
| TOTAL valori pentru perspectiva d) | 194,5 puncte |

Centralizator verificare perspective:

| Perspectiva | Punctaj realizat | Conditii minimale | Îndeplinire |
|---------------------------------|---|---|--------------------|
| a) Etica cercetării | Am respectat normele de etică a cercetării | Se respectă normele de etică a cercetării | DA |
| b) Producția științifică | 154.32 Din care 72 puncte din lucrări de categoria A și 42 lucrări de categoria B | 56 puncte din care 24 puncte din lucrări de categoria A și 16 puncte din lucrări de cel puțin categoria B | DA |
| c) Impactul rezultatelor | 670.91 puncte Din care 564 puncte realizate din forumuri de tip A și B | 120 puncte (din care 40 de puncte în forumuri de minim tip B) | DA |
| d) Performanța academică | 194,5 puncte | 60 puncte | DA |

Punctaj total realizat: 1019.28 > 236 punctaj minimal pentru gradul de profesor.