Lucrări publicate

Notă: toate lucrările publicate după 2017 sunt publicate după obținerea atestatului de abilitare în informatică.

Selecție 10 lucrări

1. A. Spataru, L. Tranca, M. Penteliuc, <u>M. Frincu</u>, *Parallel cloud movement forecasting based on a modified Boids flocking algorithm*, Procs. 20th ISPDC, 2021 – coordonator doctorat, proiect TE, student masterand; 3 citări

2. <u>M. Frincu</u>, M. Sferdian, *When old meets new: evaluating numerical and machine learning based eclipse prediction methods*, Romanian Astronomical Journal, vol. 31(2), 2021, pp. 133-152. (50% contribution) – coordonator student licență, Scopus

3. F. Colar et al., *FRIPON: a worldwide network to track incoming meteoroids*, Astronomy and astrophysics, vol. 644, pp. A53, 2020. (IF: 6.240) – studiu interdisciplinar internațional, citat de 57 de ori, jurnal A

4. <u>M. Frincu</u>, B. Irimie, T. Selea, A. Vulpe, *Evaluating distributed systems and applications through accurate models and simulations*, in J. Kolodziej, F. Pop, C. Dobre (Eds.): Modeling and Simulation in HPC and Cloud Systems, Springer, ISBN: 978-3-319-73767-6, pp. 1-18, 2018. (50% contribution) – coordonator

5. <u>M. Frincu</u>, *Was the Parta Neolithic Sanctuary Astronomically Aligned?*, Journal of Mediterranean Archaeology and Archaeometry, vol. 18(4), 43-51, 2018. (IF: 0.6, 100% contribution) – studiu interdisciplinar

6. A. Ezugwu, A. O. Adewumi, M. E. Frincu, *Simulated annealing based symbiotic organisms search optimization algorithm for traveling salesman problem*, Expert Systems with Applications, Elsevier, vol. 77, pp. 189-210, 2017 (IF: 8.6, 25% contribution) - cea mai citată lucrare (158 de citări), revistă A*

7. R. Pal, C. Chelmis, <u>M. Frincu</u>, V. Prasanna, *MATCH for the Prosumer Smart Grid: The Algorithmics of Real-Time Power Balance*, IEEE Transactions on Parallel and Distributed Systems, IEEE Press, vol. 27(1), pp. 3532-3546, 2016. (IF: 2.17, 10% contribution)

8. <u>M. E. Frîncu</u>, *Scheduling Highly Available Applications on Cloud Environments*, Future Generation Computing Systems, Elsevier, vol. 32, pp. 138–153, DOI: 10.1016/j.future.2012.05.017, ISSN: 0167-739X, 2014. (IF 2.365, 100% contribution) – 67 de citări

9. <u>M. E. Frîncu</u>, N. Villegas, D. Petcu, H. Müller, R. Rouvoy, *Self-Healing Distributed Scheduling Platform*, Procs. 11th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid), IEEE Computer Press, 2011, pp. 225–234. (29.1% acceptance rate, 70% contribution) – conferință A, 25 de citări

10. <u>M. E. Frîncu</u>, C. Craciun, *Multi-objective Meta-heuristics for Scheduling Applications with High Availability Requirements and Cost Constraints in Multi-Cloud Environments*, Procs. 4th IEEE International Conference on Utility and Cloud Computing (UCC), IEEE Computer Press, 2011, pp. 267–274. (28% acceptance rate, 80% contribution) – 100 de citări

Teză doctorat

<u>M. Frîncu</u>, *Planificare Adaptivă pentru Sisteme Distribuite / Adaptive Scheduling for Distributed Systems*, Universitatea de Vest Timișoara, România, 2011.

Teză abilitare

<u>M. Frîncu</u>, *Planificarea Sarcinilor și Accelerarea Aplicațiilor pe Cloud în Era Big Data / Job Scheduling and Application Acceleration on Clouds in the Big Data Era*, Universitatea de Vest Timișoara, România, 2017.

Capitole de carte

1. <u>M. Frincu</u>, B. Irimie, T. Selea, A. Vulpe, *Evaluating distributed systems and applications through accurate models and simulations*, in J. Kolodziej, F. Pop, C. Dobre (Eds.): Modeling and Simulation in HPC and Cloud Systems, Springer, ISBN: 978-3-319-73767-6, pp. 1-18, 2018. (50% contribution)

2. <u>M. E. Frîncu</u>, D. Petcu, *Resource Management for HPC on the Cloud*, in E. Jeannot, J. Zilinskas (Eds.): High-Performance Computing on Complex Environments, John Wiley & Sons, ISBN: 978-1-118-71205-4, pp. 303–323, 2014. (90% contribution)

3. <u>M. E. Frîncu</u>, *Scheduling Service Oriented Workflows Inside Clouds Using an Adaptive Agent Based Approach*, in B. Furht, A. J. Escalante (Eds.): Handbook of Cloud Computing, Springer, ISBN 978-1-4419-6523-3, pp. 159–182, 2010. (100% contribution)

4. <u>M. E. Frîncu</u>, C. Crăciun, *Dynamic and Adaptive Rule-Based Workflow Engine for Scientific Problems in Distributed Environments*, in S. Ahson, M. Ilyas (Eds.): Cloud Computing and Software Services: Theory and Techniques, Taylor & Francis, ISBN 978-1-43980-315-8, pp. 227–252, 2010. (70% contribution)

5. D. Petcu, G. Macariu, A. Cârstea, <u>M. Frîncu</u>, *Service-Oriented Symbolic Computations*, in N. Antonopoulos, G. Exarchakos, M. Li, A. Liotta (Eds.): Handbook of Research on P2p and Grid Systems for Service-oriented Computing: Models, Methodologies and Applications, vol. 2, Information Science Publishing, ISBN 978-1-61520-686-5, pp. 1053–1075, 2010. (10% contribution)

6. D. Petcu, D. Zaharie, M. Neagul, S. Panica, <u>M. Frîncu</u>, D. Gorgan, T. Ştefănuţ, and V. Bacu, *Remote Sensed Image Processing on Grids for Training in Earth Observation*, in Yung-Sheng Chen (Ed.): Image Processing, InTeh, ISBN 978-953-307-026-1, pp. 115–140, 2009. (15% contribution)

Lista articolelor/studiilor în extenso în reviste

Cu factor de impact: IEEE, Elsevier, Springer, Wiley

1. <u>M. Frincu</u>, M. Penteliuc, A. Spataru, *A solar radiation forecast platform spanning over the edge-cloud continuum*, Electronics, vol. 11(17), 2022. (IF: 2.69, 50% contribution)

2. F. Colar et al., *FRIPON: a worldwide network to track incoming meteoroids*, Astronomy and astrophysics, vol. 644, pp. A53, 2020. (IF: 6.240)

3. A. Ezugwu, A. O. Adewumi, M. E. Frincu, *Simulated annealing based symbiotic organisms search optimization algorithm for traveling salesman problem*, Expert Systems with Applications, Elsevier, vol. 77, pp. 189-210, 2017 (IF: 8.6, 25% contribution)

4. R. Pal, C. Chelmis, <u>M. Frincu</u>, V. Prasanna, *MATCH for the Prosumer Smart Grid: The Algorithmics of Real-Time Power Balance*, IEEE Transactions on Parallel and Distributed Systems, IEEE Press, vol. 27(1), pp. 3532-3546, 2016. (IF: 2.17, 10% contribution)

5. <u>M. Frincu</u>, *Was the Parta Neolithic Sanctuary Astronomically Aligned?*, Journal of Mediterranean Archaeology and Archaeometry, vol. 18(4), 43-51, 2018. (IF: 0.6, 100% contribution)

6. A. Ezugwu, S. Junaidu, <u>M. Frincu</u>, S. Buhari, A. Obiniyi, *Scheduling multi-component applications with mobile agents in heterogeneous distributed systems* Concurrency and Computation: Practice and Experience, Wiley Press, vol. 28(5), pp. 1462-1479, 2016 (IF: 0.997, 5% contribution)

7. A. Kumbhare, <u>M. Frîncu</u>, Y. Simmhan, V. Prasanna, *Reactive Resource Provisioning Heuristics for Dynamic Dataflows on Cloud Infrastructure*, IEEE Transactions on Cloud Computing, IEEE Press, vol. 3(2), pp. 105–118, DOI: 10.1109/TCC.2015.2394316, 2015 (25% contribution)

8. <u>M. E. Frîncu</u>, S. Genaud, J. Gossa, *On the Efficiency of Several VM Provisioning Strategies for Workflows with Multi-threaded Tasks on Clouds*, Computing, Springer, vol. 96(11), pp. 1059–1086, DOI: 10.1007/s00607-014-0410-0, ISSN: 1436-5057, 2014. (IF: 0.807, 95% contribution)

9. <u>M. E. Frîncu</u>, *Scheduling Highly Available Applications on Cloud Environments*, Future Generation Computing Systems, Elsevier, vol. 32, pp. 138–153, DOI: 10.1016/j.future.2012.05.017, ISSN: 0167-739X, 2014. (IF 2.365, 100% contribution)

10. D. Petcu, S. Panica, <u>M. E. Frîncu</u>, M. Neagul, G. Macariu, D. Gorgan, T. Stefanut, *Experiences in building a Grid-based platform to serve Earth observation training activities*, Computer Standards & Interfaces, Elsevier, vol 34, 493–508, DOI: 10.1016/j.csi.2011.10.010, ISSN: 0920-5489, 2011. (IF 0.825, 20% contribution)

Alte jurnale (e.g., indexate Scopus)

11. <u>M. Frincu</u>, M. Sferdian, *When old meets new: evaluating numerical and machine learning based eclipse prediction methods*, Romanian Astronomical Journal, vol. 31(2), 2021, pp. 133-152. (50% contribution)

12. E. Absalom, <u>M. Frincu</u>, S. Junaidu, *Characterization of grid computing resources using measurement-based evaluation*, Multiagent and Grid Systems, IOS Press, vol. 12(1), 2016, pp. 13–34. (5% contribution)

13. <u>M. Frîncu</u>, S. Genaud, J. Gossa, *Client-Side Resource Management on the Cloud: Challenges, Solutions and Future Directions*, Journal of Cloud Computing, InderScience, 2015, pp. 234-257. (70% contribution)

14. E. Absalom, <u>M. Frincu</u>, A. Obiniyi, S. Buhari, S. Junaidu, *Multiagent-based approach for scheduling meta-applications in heterogeneous grid environments*, Multiagent and Grid Systems, IOS Press, vol. 11(2), 2015, pp. 59–79. (5% contribution)

15. F. Zamfirache, <u>M. Frîncu</u>, *Automatic selection of scheduling algorithms based on classification models*, Studia Universitatis Babes-Bolyai Series Informatica, vol. LVI(2), pp. 95–100, ISSN 2065-9601, 2011. (50% contribution)

16. A. Cârstea, <u>M. Frîncu</u>, G. Macariu, and D. Petcu, *Validation of SymGrid-services framework through event based simulation*, International Journal of Grid and Utility Computing, InderScience, vol. 2(1), pp. 33–44, ISSN 1741-8488, 2011. (30% contribution)

17. <u>M. E. Frîncu</u>, D. Petcu, *OSyRIS: a Nature Inspired Workflow Engine for Service Oriented Environments*, Scalable Computing: Practice and Experience, vol. 11(1), pp. 81–97, ISSN 1895-1767, 2010. (80% contribution)

18. D. Petcu, S. Panica, M. Neagul, <u>M. Frîncu</u>, D. Zaharie, R. Ciorba, A. Dinis, *Earth Observation Data Processing in Distributed Systems*, Informatica, Slovenian Society Informatika, vol. 34(4), pp. 463–47, ISSN 0350-5596, 2010. (15% contribution)

19. <u>M. E. Frîncu</u>, G. Macariu, A. Cârstea, *Dynamic and Adaptive Workflow Execution Platform for Symbolic Computations*, Pollack Periodica, Akadémiai Kiadó, vol. 4(1), pp. 145–156, HU ISSN 1788-1994, 2009. (60% contribution)

20. D. Petcu, A. Cârstea, G. Macariu, <u>M. Frîncu</u>, *Service-oriented Symbolic Computing with SymGrid*, Scalable Computing: Practice and Experience, vol. 9(2), pp. 111–124, ISSN 1895-1767, 2008. (10% contribution)

Jurnale ERIH+

21. <u>M. Frincu</u>, Raul Perez-Enriquez, Levon Aghikyan *Revisiting Sevsar: Towards a Possible Gnomon in the Armenian Highlands*, Journal of Skyscape Archaeology, vol. 6(2), 2020. (60% contribution)

22. <u>M. Frincu</u>, *The skyscape in the Muradzar region of Armenia: a possible pastoral calendar and ritualistic site*, Journal of Skyscape Archaeology, vol. 5(1), 2019. (100% contribution)

Alte jurnale

23. R. Perez-Enriquez, A. Bajic, <u>M. Frincu</u>, *Possible Gnomonic Algorithm*, Global Journal of Human-Social Science, Global Journals, vol. 18 (D2), pp. 1–5, 2018.

24. <u>M. Frincu</u>, Ioana Giurginca, *Astronomical Alignments of Paleo-Christian Basilicas in Romania*, Sociology and Anthropology, vol. 5, 412-419, 2017.

25. <u>M. Frincu</u>, *Incadrarea astro-peisagistica a sitului megalitic de pe Mt. Mic (Skyscape of the megalithic site on the Mt. Mic*, Tibiscum, vol. 7, 2017.

Lista publicații în extenso în conferințe internaționale

LNCS (ISI proceedings)

26. F. Micota, <u>M. Frîncu</u>, D. Zaharie, *Population-based Metaheuristics for Tasks Scheduling in Heterogeneous Distributed Systems*, Procs. 7th International Conference on Numerical Methods and Applications (NMA), Aug 20–24, Borovets, Bulgaria, LNCS 6046, Springer, 2010, pp. 321–328. (40% contribution)

27. <u>M. E. Frîncu</u>, *Dynamic Scheduling Algorithm for Heterogeneous Environments with Regular Task Input from Multiple Requests*, Procs. 4th International Conference on Grid and Pervasive Computing (GPC), LNCS 5529, Springer, 2009, pp. 199–210. (100% contribution)

28. A. Cârstea, <u>M. Frîncu</u>, A. Konovalov, G. Macariu, D. Petcu, *On Service-oriented Symbolic Computing*, Procs. 7th International Conference on Parallel Processing and Applied Mathematics (PPAM), LNCS 4967, Springer, 2008, pp. 843–851. (20% contribution)

IEEE press (ISI proceedings)

29. M. Penteliuc, <u>M. Frincu</u>, *Short term cloud motion forecast based on Boid's algorithm for use in PV output prediction*, Procs. IEEE PECS ISGT Europe, 2021 (PhD advisor)

30. M. Vonica, A. Ancuta, <u>M. Frincu</u>, *Glacier movement prediction through computer vision and satellite imagery*, Procs. 23rd SYNASC, 2021 (advisor)

31. D. Craciun, <u>M. Frincu</u>, *Selection methods for demand response: improving comfort and balancing loads*, Procs. IEEE PECS ISGT Europe, 2021 (advisor)

32. A. Spataru, L. Tranca, M. Penteliuc, <u>M. Frincu</u>, *Parallel cloud movement forecasting based on a modified Boids flocking algorithm*, Procs. 20th ISPDC, 2021 (PhD advisor)

33. R. Sichitiu, <u>M. Frincu</u>, O. Vaduvescu, *Digital Tracking Cloud Distributed Architecture for Detection of Faint NEAs*, Procs. 21st International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), 2019, pp. 121-129 (PhD advisor)

34. M. Penteliuc, <u>M. Frincu</u>, *Prediction of Cloud Movement from Satellite Images using Neural Networks*, Procs. 21st International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), 2019, pp. 222-229 (PhD advisor)

35. T. Selea, A. Spataru, <u>M. Frincu</u>, *Reusing Resource Coalitions for Efficient Scheduling on the Intercloud*, Procs. 16th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid), IEEE Press, 2016, (poster) (30% contribution)

36. A. Vulpe, <u>M. Frincu</u>, *Exploring Scalability in Pattern Finding in Galactic Structure using MapReduce* Procs. 16th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid), IEEE Press, 2016 (SCALE challenge finalist, 40% contribution)

37. S. Aman, <u>Marc Frincu</u>, C. Chelmis, U. Noor, Y. Simmhan, V. Prasanna, *Prediction models for dynamic demand response: Requirements, challenges, and insights*, Procs. SmartGridComm, 2015, pp. 338-343 (10% contribution)

38. A. Kumbhare, <u>M. Frîncu</u>, Y. Simmhan, V. Prasanna, *Fault-Tolerant and Elastic Streaming MapReduce with Decentralized Coordination*, Procs. 35th IEEE International Conference on Distributed Computing Systems (ICDCS), IEEE Press, 2015, pp. 328–338. (13% acceptance rate, 20% contribution)

39. C. Wickramaarachchi, A. Kumbhare, <u>M. Frincu</u>, C. Chelmis, V. Prasanna, *Real-time Analytics for Fast Evolving Social Graphs*, Procs. 15th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid), IEEE Press, 2015, pp. 829–834. (SCALE challenge finalist, 10% contribution)

40. <u>M. Frincu</u>, *Distributed Scheduling Algorithm for Highly Available Component based Applications*, Procs. Workshop on Dependable Parallel, Distributed and Network-Centric Systems Job Scheduling Strategies for Parallel Processing (DPDNS) – IPDPS Workshops, IEEE Press, 2015, pp. 1033–1041. (100% contribution)

41. F. Knirsch, D. Engel, <u>M. Frincu</u>, V. Prasanna, *Model-based Assessment for Balancing Privacy Requirements and Operational Capabilities in the Smart Grid*, Procs. IEEE Conference on Innovative Smart Grid Technologies (iSGT-US), IEEE Press, 2015, pp. 1–5. (17% contribution)

42. <u>M. Frincu</u>, C. Chelmis, M. Noor, V. Prasanna, *Accurate and Efficient Selection of the Best Consumption Prediction Method in Smart Grids*, IEEE International Conference on BigData (BigData), IEEE Press, 2014, pp. 721–729. (18.5% acceptance rate, 40% contribution)

43. V. Zois, <u>M. Frîncu</u>, V. Prasanna, *Integrated Platform for Automated Sustainable Demand Response in Smart Grids*, Procs. IEEE 1st International Workshop on Intelligent Energy Systems (IWIES), IEEE Press, 2014, pp. 64–69. (30% contribution)

44. <u>M. E. Frîncu</u>, Z. Gima, *A Bottom-up Approach to Sustained Curtailment and Comfort for Controlled Demand Response*, Procs. 2nd IEEE Conference on Technologies for Sustainability (SusTech), IEEE Press, 2014, pp. 61–68. (70% contribution)

45. A. Kumbhare, <u>M. E. Frîncu</u>, C. S. Raghavendra, V. K. Prasanna, *Efficient Extraction of High Centrality Vertices in Distributed Graphs*, Procs. 18th IEEE High Performance Extreme Computing Conference (HPEC), IEEE Press, 2014, pp. 1–7. (best paper finalist, 15% contribution)

46. C Wickramaarachchi, <u>M. E. Frîncu</u>, P. Small, V. K. Prasanna, *Fast Parallel Algorithm For Unfolding Of Communities In Large Graphs*, Procs. 18th IEEE High Performance Extreme Computing Conference (HPEC), IEEE Press, 2014, pp. 1–6. (15% contribution)

47. V. Zois, <u>M. E. Frîncu</u>, C. Chelmis, R. Saeed, V. Prasanna, *Efficient Customer Selection for Sustainable Demand Response in Smart Grids*, Procs. International Green Computing Conference (IGCC), IEEE Press, 2014, pp. 1–6. (30% contribution)

48. E. Michon, J. Gossa, S. Genaud, <u>M. E. Frîncu</u>, A. Burel, *Porting Grid Applications to the Cloud with Schlouder*, Procs. 5th International Conference on Cloud Computing Technology and Science (CloudCom), IEEE Computer Press, 2013, pp. 505–512. (5% contribution)

49. <u>M. E. Frîncu</u>, S. Genaud, J. Gossa, *Comparing Provisioning and Scheduling Strategies for Workflows on Clouds*, Procs. 2nd CloudFlow Workshop – IPDPS Workshops, IEEE Computer Press, 2013, pp. 2101–2110. (citation 1, 90% contribution)

50. <u>M. E. Frîncu</u>, F.A. Spataru, *Minimizing Resource Rent Loss while Maximizing User Availability in Cloud Applications through Online Switching of the Scaling Method*, Procs. 1st MICAS Workshop – SYNASC Workshops, IEEE Computer Press, 2012, pp. 449–456. (90% contribution)

51. D. Petcu, <u>M. E. Frîncu</u>, S. Panica, M. Neagul, *Towards Programmatic Management of Services from Multiple Clouds*, Procs. 4th INCoS, IEEE Computer Press, 2012, pp. 487–488. (25% contribution)

52. <u>M. E. Frîncu</u>, C. Craciun, *Multi-objective Meta-heuristics for Scheduling Applications with High Availability Requirements and Cost Constraints in Multi-Cloud Environments*, Procs. 4th IEEE International Conference on Utility and Cloud Computing (UCC), IEEE Computer Press, 2011, pp. 267–274. (28% acceptance rate, 80% contribution)

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54. <u>M. E. Frîncu</u>, *D-OSyRIS: A Self-Healing Distributed Workflow Engine*, Procs. 10th International Symposium on Parallel and Distributed Computing (ISPDC), IEEE Computer Press, 2011, pp. 215–222. (100% contribution)

55. <u>M. E. Frîncu</u>, N. Villegas, D. Petcu, H. Müller, R. Rouvoy, *Self-Healing Distributed Scheduling Platform*, Procs. 11th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid), IEEE Computer Press, 2011, pp. 225–234. (29.1% acceptance rate, 70% contribution)

56. <u>M. E. Frîncu</u>, *A Method for Distributing Scheduling Heuristics Inside Service Oriented Environments Using a Nature-Inspired Approach*, Procs. 9th International Symposium on Parallel and Distributed Computing (ISPDC), IEEE Computer Press, 2010, pp. 211–218. (100% contribution)

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58. <u>M. E. Frîncu</u>, *Distributed Scheduling Policy in Service Oriented Environments*, Procs. 11th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), IEEE Computer Press, 2009, pp. 205–213. (100% contribution)

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63. G. Macariu, <u>M. Frîncu</u>, A. Cârstea, D. Petcu, A. Eckstein, *Redesigning Parallel Symbolic Computations Packages*, Procs. 16th International Conference on Parallel Architecture and Compilation Techniques (PACT), IEEE Computer Press, 2007, pp. 417. (30% contribution)

64. A. Cârstea, <u>M. Frîncu</u>, G. Macariu, D. Petcu, K. Hammond, *Generic Access to Web an Grid-based Symbolic Computing Services*, Procs. 6th International Symposium on Parallel and Distributed Computing (ISPDC) , IEEE Computer Press, 2007, pp. 143–150. (20% contribution)

ACM

65. R. Pal, C. Chelmis, C. Tadepalli, <u>M. Frincu</u>, S. Aman, V. Prasanna, *Online Time Series Clustering for Demand Response: A Theory to Break the 'Curse of Dimensionality'*, Procs. e-Energy, ACM, 2015, pp 95–100. (25% acceptance rate, challenge paper track, 10% contribution)

66. C. Chelmis, R. Saeed, <u>M. Frincu</u>, V. Prasanna, *Curtailment Estimation Methods for Demand Response: Lessons Learned by Comparing Apples to Oranges*, Procs. e-Energy, 2015, pp. 217–218. (5% contribution)

67. <u>M. Frincu</u>, C. Chelmis, S. Aman, V. Zois, R. Saeed, V. Prasanna, C. Fern, A. Akbari, *Enabling Automated Dynamic Demand Response: From Theory to Practice*, Procs. e-Energy, 2015, pp. 229–230. (20% contribution)

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68. E. Absalom, <u>M. Frincu</u>, S. Junaidu, *A Multiagent-Based Approach to Scheduling of Multi-component Applications in Distributed Systems*, Procs. CSOC, 2015, pp. 1–12. (5% contribution)

69. F. Knirsch, D. Engel, C. Neureiter, <u>M. Frîncu</u>, V. Prasanna, *Model-driven Privacy Assessment in the Smart Grid*, Procs. 2nd International Conference on Information Systems Security and Privacy (ICISSP), SCITEPRESS, 2015, pp. 178–181 .(best paper award, 11% contribution).

70. C. Chelmis, S. Aman, M. R. Saeed, <u>M. Frincu</u>, V. Prasanna, *Estimating Reduced Consumption for Dynamic Demand Response*, Workshop on Computational Sustainability – AAAI Workshops, AAAI Digital Library, 2015, pp. 17–20. (5% contribution)

71. F. Zamfirache, <u>M. Frîncu</u>, Automatic Selection of Scheduling Algorithms based on (Un)Supervised Classification Models, Procs. 3rd Conference on Knowledge Engineering: Principles and Techniques (KEPT) –selected papers, Presa Universitara Clujeana, ISSN 2067-1180, 2011, pp. 185–194. (50% contribution)

72. D. Petcu, S. Panica, M. Neagul, <u>M. Frîncu</u>, D. Zaharie, D. Gorgan, T. Stefanut, V. Bacu, *GiSHEO: On-line Platform for Training in Earth Observation*, Procs. 5th International Conf. on Virtual Learning (ICVL), Bucharest University Press, ISSN 1844-8933, 2010, pp. 290–297. (10% contribution)

73. D. Petcu, D. Zaharie, S. Panica, <u>M. Frîncu</u>, M. Neagul, D. Gorgan, T. Stefanut, *Grid-based Platform for Training in Earth Observation*, Geophysical Research Abstracts, vol. 12, EGU2010-6713-1, 2010. (15% contribution)

74. D. Petcu, D. Zaharie, D. Gorgan, S. Panica, M. Neagul, <u>M. Frîncu</u>, V. Bacu, T. Stefanut, *On demand Grid Services for Training in Earth Observation*, 5th EGEE User Forum / Contributions book, 2010, pp. 68–69. (5% contribution)

75. <u>M. Frîncu</u>, S. Panica, M. Neagul, D. Petcu, *GiSHEO: On Demand Grid Service-based Platform for Earth Observation Data Processing*, Procs. 1st Conference on High Performance Grid Middleware (HiperGRID), Politehnica Press, 2009, pp. 415–422. (40% contribution)

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