

Curriculum vitae

Dana PETCU

February 8, 2014

1 Identification

1.1 Personal data

- Date and place of birth: May 12, 1966, Timișoara, Romania
- Marital status: Divorced, one child
- Birth name: Dana Gioncu
- Languages: Romanian, English, German, French

1.2 Addresses

<i>University</i>	<i>Institute</i>	<i>Home</i>
Computer Science Department West University of Timișoara B-dul Vasile Pârvan 4-6 300223 Timișoara, Romania http://www.info.uvt.ro/~petcu tel:+40-256-592-370,fax:-136 petcu@info.uvt.ro	Institute e-Austria Timișoara B-dul Vasile Pârvan 4 300223 Timișoara Romania http://www.ieat.ro tel./fax.:+40-256-244834 dana@ieat.ro	Str.Toplita no. 3 300012 Timișoara Romania tel.: +40-256-226150 mobile: +40-745-405523 Skype: dana.petcu

1.3 IDs in research indexing services

- Scopus: <http://www.scopus.com.scopoesprx.elsevier.com/authid/detail.url?authorId=6603604868>
- WoS: <http://www.researcherid.com/rid/C-2889-2011>
- DBLP: <http://www.informatik.uni-trier.de/~ley/db/indices/a-tree/p/Petcu:Dana.html>
- Google Scholar: <http://scholar.google.ro/scholar?q=Dana+Petcu>
- Microsoft Academic: <http://academic.research.microsoft.com/Author/931727/dana-petcu>
- ACM Digital Library: http://dl.acm.org/author_page.cfm?id=81312484560
- ResearchGate: http://www.researchgate.net/profile/Dana_Petcu/
- Mendeley: <http://www.mendeley.com/profiles/dana-petcu/>
- zbMATH: <http://www.zbmath.org/?q=ai:petcu.dana>
- ORCID: <http://orcid.org/0000-0002-4773-770X>

2 Experience

2.1 Education

- | | | | | |
|----------|--------------------|---|------------------------------|---------|
| – MS in | Computer Science | Faculty of Natural Science | University of Timișoara | 1988 |
| – Tempus | PhD scholarship | IWR | University of Heidelberg | 1992-93 |
| – PhD in | Numerical Analysis | Faculty of Mathematics | West University of Timișoara | 1994 |
| | Thesis: | Numerical solution of stiff differential equation systems | | |

2.2 Research interests

- Primary: parallel and distributed computing
- Secondary: numerical analysis, mathematical software, computer graphics

2.3 Teaching experience

Parallel Computing, Grid and Cloud computing, Distributed Systems, Mathematical Software, Computer Graphics, Algorithms, Programming Languages

2.4 Positions

- Professor Computer Science Department, West University of Timișoara 2003-present
- PhD Advisor Computer Science Department, West University of Timișoara 2005-present
- Assoc.prof. Computer Science Department, West University of Timișoara 1997-2003
- Lecturer Chair of Fundamental Informatics, West University of Timișoara 1994-1997
- Assistant Chair of Fundamental Informatics, West University of Timișoara 1990-1994
- Programmer Bega-Pam, Timișoara 1990
- Programmer IURT Lugoj 1988-1990

2.5 Management experience

- Director Institute e-Austria Timișoara 2002-present
- Director Computer Science Department, West University of Timișoara 2008-2011
- Director Undergraduate studies on Computer Science, WUT 2004-2008
- Director Master studies in Software Engineering, WUT 2010-present
- Director PhD studies in Computer Science, WUT 2012-present
- Member CSUD (Doctoral studies), WUT 2012-present
- Member Senate, WUT 2012-present
- President CSCCU - Scientific Council for Research and Creation of the University, WUT 2013-present

3 Membership

3.1 Representation

- Expert in the Romanian Delegation at FP7-ICT Committee (2007-2013),
- Expert in the Romanian Delegation at e-IRG (2008-present),
- Expert in the Romanian Delegation at e-Infrastructure Policy Forum (2011-2013),
- Expert in the FP7-Committee for Competitiveness & Innovation Framework Programme (CIP) (2007-2008)
- Expert in the FP7-COST programme, ICT Domain (2007-2008)

3.2 Evaluation expertise

- Expert evaluator for EC R&D programmes FP6-IST, FP7-ICT, FP7-Capacities, ESF, INTAS (2003-2013),
- Expert evaluator for Irish research programmes (2009-2013)
- Expert evaluator for Romanian National programmes: CNCISIS (2001-2004), CEEX (2005-2007), PNII (2008-2012)

3.3 Professional groups

- Cloud Computing Expert Group of the European Commission, from 2011 - present
- OW2, open source community, from 2013 - present

3.4 Professional associations

- IEEE Society Affiliate Number: 870444XX
- IT History Society

3.5 Awards

- Maria-Sybilla-Merian Award, 2005 (<http://www.uni-due.de/ekfg/prize.shtml>)
- IBM Faculty Award, 2009

4 Journal papers

4.1 Papers in journals with ISI impact factor

4.1.1 Elsevier

- 2013 1. D. Petcu, G. Macariu, S. Panica, C. Craciun, *Portable Cloud Applications - from Theory to Practice*, Future Generation Computer Systems 29, issue 6 (2013), pp. 1417-1430 ISSN: 0167-739X, DOI: <http://dx.doi.org/10.1016/j.future.2012.01.009> on-line from Jan 2012 (Impact factor: 1.864, Citations: 22).
- 2012 2. D. Petcu, S. Panica, M. Frincu, M. Neagul, D. Zaharie, G. Macariu, Dorian Gorgan, T. Stefanut, *Experiences in building a Grid-based platform to serve Earth observation training activities*, Computers Standards & Interfaces 34 (2012), 493-508, DOI: <http://dx.doi.org/10.1016/j.csi.2011.10.010> (Impact factor: 0.978, Citations: 1)
- 2005 3. D.Petcu, *The performance of parallel iterative solvers*, Computers & Mathematics with Applications vol. 50, (2005), Pergamon-Elsevier Science, ISSN 0898-1221, UK, 1179-1189. (Impact factor: 0.43, Citations: 4)
- 2003 4. D.Petcu, V.Gioncu, *Computer program for available ductility analysis of steel structures*, Computers & Structures Volume 81, Issues 22-23, September 2003, ISSN 0045-7949, Pages 2149-2164 (Impact factor: 0.634, Citations: 4)
- 2001 5. D.Petcu, *Experiments with an ODE Solver on a Multiprocessor System*, Computers & Mathematics with Applications vol. 42, no. 8-9, Oct.-Nov. (2001), Pergamon-Elsevier Science, UK, ISSN 0898-1221, 1189-1199 (Impact factor: 0.383)
- 1997 6. V.Gioncu, D.Petcu, *Available rotation capacity of wide-flange beams and beam-columns. Part 1. Theoretical approaches*, Journal of Constructional Steel Research, vol. 43, no. 1-3, July-September 1997, Elsevier Science Ltd, Oxford, ISSN 0143-974X, 161-217. (Impact factor: 0.259, Citations: 36)
7. V.Gioncu, D.Petcu, *Available rotation capacity of wide-flange beams and beam-columns. Part 2. Experimental and numerical tests*, Journal of Constructional Steel Research, vol. 43, no. 1-3, July-September 1997, Elsevier Science Ltd, Oxford, ISSN 0143-974X, 219-244. (Impact factor: 0.259, Citations: 18)

4.1.2 Springer

- 2014 8. D. Petcu, *Consuming Resources and Services from Multiple Clouds: From Terminology to Cloudware Support*, Journal of Grid Computing, Springer, available on-line January 2014, doi: 10.1007/s10723-013-9290-3 (Impact factor: 1.603)
- 2013 9. V. Stankovski, D. Petcu, *Developing a Model Driven Approach for engineering applications based on mOSAIC*, Journal of Cluster Computing, ISBN 1386-7857, doi: 10.1007/s10586-013-0263-x Springer US, available on-line April 2013 (Impact factor: 0.776)
- 2012 10. N.M. Calcavecchia, B.A.Caprarescu, E. Di Nitto, D. J. Dubois, D. Petcu, *DEPAS: A Decentralized Probabilistic Algorithm for Auto-Scaling*, Computing, Springer, 0010-485X (Print), 1436-5057 (Online), DOI: 10.1007/s00607-012-0198-8, vol. 94, issue 8-10, 701-730, (preliminary: Technical Report 2012.5, Politecnico di Milano arXiv:1202.2509v1 [cs.DC], <http://arxiv.org/abs/1202.2509>; <http://arxiv.org/pdf/1202.2509v1>) (Impact factor: 0.807, Citations: 2)
- 2005 11. D. Petcu, M. Paprzycki, M. Ganzha, *Clustering Multiple and Cooperative Instances of Computational Intensive Software Tools*, LNCS 3606, ISSN 0302-9743, pp. 452-456, 2005. (Impact factor: 0.402, Citations: 1)
12. C. Bonchiş, G. Ciobanu, C. Izbăşa, D. Petcu, *A Web-Based P Systems Simulator and Its Parallelization*, LNCS 3699, ISSN 0302-9743, pp. 58-69, 2005. (Impact factor: 0.402, Citations: 1)
- 2004 13. D.Petcu, D.Dubu, M.Paprzycki, *Towards a Grid-aware Computer Algebra System*, LNCS 3036, ISSN 0302-9743, 490-495, 2004. (Impact factor: 0.515)
14. D.Petcu, D.Dubu, M.Paprzycki, *Grid-based parallel Maple*, LNCS 3241, ISSN 0302-9743, pp. 215-223, 2004. (Impact factor: 0.515, Citation: 1)
- 2003 15. D.Zaharie, D.Petcu, *Adaptive Pareto Differential Evolution and its Parallelization*, LNCS 3019, ISSN 0302-9743, 2003, pp. 261-268. (citations: 44)
- 2002 16. D. Petcu, H. Popa, D. Ţepeneu, *A user-level interface for clustering mathematical software kernels*, LNCS 2336, ISSN 0302-9743, 2002, 175-182 (Impact factor: 0.415)
17. D. Petcu, *Solving large systems of differential equations with PAVIS*, LNCS 2328, ISSN 0302-9743, 2002, pp. 437-445 (Impact factor: 0.415)
- 2001 18. D.Petcu, *Numerical Solution of ODEs with Distributed Maple*, LNCS 1988, ISSN 0302-9743, 2001, 666-674 (Impact factor: 0.415)
19. D. Petcu, *Solving initial value problems with parallel Maple processes*, LNCS 2150, ISSN 0302-9743, 2001, pp. 926-934. (Impact factor: 0.415, Citation: 1)
- 2000 20. D.Petcu, *PVMaple: A Distributed Approach to Cooperative Work of Maple Processes*, LNCS 1908, ISSN 0302-9743, 2000, 216-224. (Impact factor: 0.39, Citation: 1)
- 1999 21. D.Petcu, *Solving Initial Value Problems with a Multiprocessor Code*, LNCS 1662, ISSN 0302-9743, 1999, 452-466. (Impact factor: 0.872)
- 1997 22. D.Petcu, *Implementation of some multiprocessor algorithms for ODEs using PVM*, LNCS 1332, ISSN 0302-9743, 1997, 375-383.

4.1.3 Others

- 2014 23. J. Južna, P. Češarek, D. Petcu and V. Stankovski, *Solving Solid and Fluid Mechanics Problems in the Cloud with mOSAIC*, Computing in Science and Engineering, <http://dx.doi.org/10.1109/MCSE.2013.135> (Impact factor: 1.729)
- 2013 24. D. Petcu, S. Panica, C. Craciun, M. Neagul, C. Sandru, *Cloud resource orchestration within an open-source component-based platform as a service*, Concurrency and Computation: Practice and Experience, doi: 10.1002/cpe.3175, on-line 22 Nov 2013 (Impact factor: 0.845)
- 2005 25. D.Petcu, C.Popa, *A new version of Kovarik's approximate orthogonalization algorithm without matrix inversion*, International Journal of Computer Mathematics, vol. 82, no. 10, October 2005, 1235-1246, no. GCOM041194 ISSN 0020-7160 print/ISSN 1029-0265 online Taylor & Francis Ltd <http://www.tandf.co.uk/journals> DOI: 10.1080/00207160512331331174 (Impact factor: 0.254, Citations: 3)

26. D.Petcu, M.Papryzcki, D.Dubu, *Design and implementation of a grid extension of Maple*, Scientific Programming, vol. 13, no. 2, 2005, ISSN 1058-9244, IOS Press, 137-149. (citations: 3)
- 1994 27. D.Petcu, *A parallel algorithm for stiff ordinary differential equations*, Informatica, Vilnius, 1994, vol.5, no. 3-4, ISSN 0868-4952, 373-384
- 1993 28. D.Petcu, *On the Kantorovich Hypothesis for Newton's Method*, Informatica, Vilnius, 1993, vol. 4, no. 1-2, ISSN 0868-4952, 188-198 (citations: 2)

4.2 Papers in internationally refereed journals

- 2013 29. D. Petcu, B. Di Martino, S. Venticinqu, M. Rak, T. Mhr, G. Esnal Lopez, F. Brito, R. Cossu, M. Stopar, S. Šperka, V. Stankovski, *Experiences in Building a mOSAIC of Clouds*, Journal of Cloud Computing: Advances, Systems and Applications 2013, Vol. 2, Issue 1, 2:12, Springer, ISSN: 2192-113X, on-line May 2013, doi: 10.1186/2192-113X-2-12 (citations: 1)
- 2012 30. D. Petcu, *A Panorama of Cloud Services*, Scalable Computing: Practice and Experience, vol 13, no. 4, 2012, 303-314
31. A. Bessani, R. Kapitza, D. Petcu, P. Romano, S.V. Gogouvitis, D. Kyriazis, R.G. Cascella, *A look to the old-world sky: EU-funded dependability cloud computing research*, SIGOPS Oper. Syst. Rev. 46, 2 2012, 43-56, doi: 10.1145/2331576.2331584
- 2011 32. A. Carstea, M. Frincu, G. Macariu and D. Petcu, *Validation of SymGrid-services framework through event-based simulation*, Int. J. Grid and Utility Computing, Vol. 2, No. 1, 2011
- 2010 33. D. Petcu, S. Panica, M. Neagul, M. Frincu, D. Zaharie, R. Ciorba, A. Dinis, *Earth Observation Data Processing in Distributed Systems*, Informatica 34 (2010), 463-476 (citations: 1)
34. M. E. Frincu and D. Petcu, *OSyRIS: a Nature Inspired Workflow Engine for Service Oriented Environments*, Scalable Computing: Practice and Experience, Volume 11, Number 1, ISSN 1895-1767, 2010, 81-97 (citations: 2)
35. D. Gorgan, V. Bacu, D. Rodila, F. Pop and D. Petcu, *Experiments on ESIP-Environment oriented satellite data processing platform*, Earth Science Informatics Vol 3, no. 4, December 2010, DOI: 10.1007/s12145-010-0065-0, ISSN 1865-0473 (citations: 2)
- 2008 36. D. Petcu, *Teaching Grid Technologies to PhD Students, Part 1: Using Best Practices to Build the Course*, IEEE Distributed Systems Online, vol. 9, no. 3, 2008, art. no. 0803-o3002, <http://dsonline.computer.org/portal/pages/dsonline/2008/03/o3002edu.html>
37. D. Petcu, *Teaching Grid Technologies to PhD Students, Part 2: Course Structure and Experiences*, IEEE Distributed Systems Online, vol. 9, no. 4, 2008, art. no. 0804-o4001, <http://dsonline.computer.org/portal/pages/dsonline/2008/04/o4001edu.html>
38. D. Petcu, A. Cârstea, G. Macariu, M. Frincu, *Service-oriented Symbolic Computing with SymGrid*, Scalable Computing: Practice and Experience, Volume 9, Number 2, ISSN 1895-1767, 2008, pp. 111-124.
39. D. Petcu, Andrei Eckstein, Claudiu Giurgiu, *Adapting a Legacy Code for Ordinary Differential Equations to Novel Software and Hardware Architectures*, Transactions on Computers, Issue 5, vol. 7, May 2008, 463-472 (citations: 2)
40. D. Petcu, D. Gorgan, F. Pop, D. Tudor, D. Zaharie, *Satellite Image Processing on a Grid-based Platform*, International Scientific Journal of Computing, vol. 7, 2008, issue 2, ISSN 1727-6209, 51-58 (citations: 1)
- 2007 41. D. Petcu, S. Panica, A. Eckstein, *Land-Cover Classification on Computational Grids*, International Journal of Computers, Issue 2, Vol. 1, 2007, ISSN: 1998-4308, 22-27 <http://www.naun.org/journals/computers/2007.htm> (citations: 1)
42. D. Petcu, *Grid Services for Satellite Image Processing*, Transactions on Computers, Issue 2, Vol. 6, ISSN 1109-2750, 347-354, 2007 (citations: 2)
43. D. Petcu, *Towards Automated Creation of Clients for Grid Services Wrapping CFD Codes*, Transactions on Computers, Issue 3, Vol. 6, ISSN 1109-2750, 573-580, 2007
- 2006 44. D. Petcu, D. Vizman and M. Paprzycki, *Heuristic Load Balancing for CFD Codes Executed in Heterogeneous Computing Environments*, Scalable Computing: Practice and Experience, Volume 7, Number 2, ISSN 1895-1767, 2006, pp. 15-23. (citations: 2)
45. D. Petcu, *A Parallel Rule-based System and Its Experimental Usage in Membrane Computing*, Scalable Computing: Practice and Experience, Volume 7, Number 3, ISSN 1895-1767, 2006, pp. 39-49. (citations: 1)
- 2005 46. D. Petcu, M. Petcu, *Concurrent Instance of a Rule-based System on a Condor Cluster*, Transactions on Computers, Issue 8, Vol. 4, ISSN 1109-2750, 995-1002, 2005
47. D.Petcu, *Speedup in solving differential equations on clusters of workstations*, Int. J. Computational Science and Engineering, Vol. 1, Nos. 2/3/4, 2005, Inderscience Enterprises Ltd., 134-141, ISSN (Print): 1742-7185, ISSN (Online): 1742-7193. (citations: 1)
- 2002 48. St. Maruster, V. Negru, D. Petcu, C. Şandru — *Intelligent front-end for solving differential and non-linear equations*, Journal of Mathematical Sciences 108 (6): 1139-1151, March 2002, ISSN 1072-3374, extension of the version from POMI Journal, vol.258, 1999, 23-34, eds. N.N. Vasilev & A. M. Vershik, Petersburg.
- 2000 49. D.Petcu, M.Drăgan, *Designing an ODE solving environment*, Lectures Notes in Computational Science and Engineering 10: Advances in Software Tools for Scientific Computing, eds. H.P. Langtangen, A.M. Bruaset, E. Quak, Springer-Verlag, Berlin, 2000, ISSN: 1439-7358, 319-338. (citations: 5)
50. D.Petcu *The potential for distributing computation in large initial value problems*, Notes on Numerical Fluid Mechanics 73: Large Scale Scientific Computations of Engineering and Environmental Problems, 2000, eds. Michael Griebel, Svetozar Margenov, Plamen Yalamov, ISSN 0179-9614, 180-195.
- 1999 51. D.Petcu, V.Negru, *Interactive system for stiff computations and distributed computing*, International Journal of Applied Science and Computations, ISSN 1089-0025, vol. 6, no. 2, 1999. (citations: 1)

4.3 Papers in Romanian refereed journals

- 2012 52. Dana Petcu, Daniela Zaharie, *Experience in Running a Computer Science Masters Programme in English. First Steps towards Internationalization*. Quality Assurance Review for Higher Education, Vol. 4, Nr. 1, 2012, pp. 5 - 13
53. L. Donath, D. Petcu, D. Zaharie, M. Boldea, P. Craciun, E. Feker, *The internal evaluation of international master. The case of West University of Timisoara*, Quality Assurance Review for Higher Education, Vol. 4, Nr. 2, 2012, pp. 41 - 51

- 2009 54. D. Petcu, A. Eckstein, A. Carstea, A. Craciun, *Mathematics on the net: state of the art and challenges*, Analele Universității din Timișoara, Seria Matematică-Informatică, vol. XLVII, 2, 2009, 95-116.
- 2008 55. D. Petcu, S. Panica, *Document Conversions Using Grid-based e-Infrastructure for Digital Libraries*, Scientific Bulletin of "Politehnica" University of Timișoara, Romania, Transactions on Automatic Control and Computer Science, vol. 53 (67), no. 3, 2008, 139-144.
- 2006 56. G. Neagu, N. Andrei, V. Sima, Al. Stanciu, N. Tapus, V. Cristea, C. Nae, R. Potolea, D. Petcu, *The virtual organisation GridMOSI - a component of the national research infrastructure* (in Romanian), Revista Romana de Informatica si Automatica, vol. 16, nr. 4, 2006, pp. 113-120
57. D. Petcu, C. Bonchiș, C. Izbășa *Symbolic Computations based on Grid Services*, Int. Journal of Computers, Communications and Control, Vol. 1, no. 1, 2006, 44-50.
- 2005 58. D.Petcu, *Software issues in solving initial value problems for ordinary differential equations*, Creative Mathematics, North University of Baia Mare, vol. 13, 2005, 97-110. (citations: 1)
59. D. Petcu, D. Dubu, *An Extension of Maple for Grid and Cluster Computing*, Studies in Informatics and Control, Vol. 14, no. 1 (ISSN 1120-1766), 2005, pp. 31-36
- 2004 60. D. Petcu, *Building a computational grid: design issues*, Analele Științifice ale Universității "Alexandru Ioan Cuza" din Iași, Informatică, Tomul XV, 2004, 139-152.
61. C.Popa, D. Petcu, M. Petcu, *On Kovarik's Orthogonalization Algorithm without Matrix Inversion*, Scientific Bulletin of "Politehnica" University of Timișoara, Romania, Transactions on Automatic Control and Computer Science, Vol.49 (63), 2004, ISSN 1224-600X, pp. pp. 223-226
62. D.Petcu, D.Dubu, *Mapping general purpose scientific computing environments onto a computational grid*, Analele Universității din Timișoara, Seria Matematică-Informatică, vol. XLII, 2004, 6th Int. Symposium: "Symbolic and Numeric Algorithms on Scientific Computing", SYNASC 04, September 2004, Timișoara, 197-212.
- 2002 63. D.Petcu, C.Popa, *On the Parallel Implementation of Kovarik's Approximate Orthogonalization Algorithm*, Analele Universității din Timișoara, Seria Matematică-Informatică, vol. XL, 2002, 4th Int. Workshop: "Symbolic and Numeric Algorithms on Scientific Computing", SYNASC 02, October 2002, Timișoara, 197-212.
64. D. Petcu, *On the speedup of parallel iterative numerical methods*, Analele Științifice ale Universității "Al. I. Cuza" din Iași, Tomul XI, 2002, p. 304-317
- 2001 65. D.Petcu, D. Vizman, M. Popescu *Computational Fluid Dynamic on a Cluster*, Analele Universității din Timișoara, Seria Matematică-Informatică, vol. XXXIX, 2001, 3rd Int. Workshop: "Symbolic and Numeric Algorithms on Scientific Computing", SYNASC 01, October 2-5, 2001, Timișoara, 171-180.
- 2000 66. D.Petcu, *A prototype system for cooperative CAS tasks*, Analele Universității din Timișoara, Seria Matematică-Informatică, vol. XXXVIII, 2000, 2nd Int. Workshop: "Symbolic and Numeric Algorithms on Scientific Computing", SYNASC 00, October 4-6, 2000, Timișoara, 125-140.
- 1999 67. D. Petcu, *Design of an User Interface for Mathematical Software*, Analele Universității din Timișoara, Seria Matematică-Informatică, vol. XXXVII, 1999, Symposium "50 years Jubilee of Mathematical Faculty" – section Computer Science and Applications, Timișoara, November 1998, 137-142.
68. D. Petcu, *Parallel Solving Environment for ODEs*, Analele Universității din Timișoara, Seria Matematică-Informatică, vol. XXXVII, 1999, 1st Int. Workshop: "Symbolic and Numeric Algorithms on Scientific Computing", SYNASC 99, 10-11 August 1999, Timișoara, 45-57.
- 1995 69. D.Petcu, *Implicit Runge-Kutta Methods on a Distributed Computational System*, Analele Universității din Timișoara, Seria Matematică-Informatică, vol. XXXIII, fasc. 2, 1995, 209-220
70. D.Petcu, L.Cucu, *Plotting Conics and Quadrics on a Distributed Computational System*, Analele Universității din Timișoara, Seria Matematică-Informatică, vol. XXXIII, fasc. 2, 1995, 221-231
- 1994 71. D.Petcu, *One-step Methods for the Numerical Solution of Stiff Ordinary Differential Systems*, Revue D'Analyse Numérique et de Théorie de L'Approximation, Tome 23, no. 2, 1994, pp. 197-216
72. D.Petcu, *Parallel Algorithms for the Numerical Integration of Stiff ODE Systems*, Analele Universității din Timișoara, Seria Matematică-Informatică, vol. XXXII, fasc. 2, 1994, 65-81
- 1993 73. D.Petcu, *Modified Adams-Moulton Schemes for Solving Stiff Differential Equations*, Analele Universității din Timișoara, Seria Matematică-Informatică, vol. XXXI, fasc. 1, 1993, pp. 101-112
74. D.Petcu, *Second Derivative Split Multistep Methods for Stiff Ordinary Differential Equations*, Analele Universității din Timișoara, Seria Matematică-Informatică, vol. XXXI, fasc. 2, 1993, pp. 229-254
- 1992 75. D.Petcu, *One-step Discretization of Stiff Differential Equations*, Analele Universității din Timișoara, Seria Științe Matematice, vol. XXX, fasc. 1, 1992, pp. 59-87
76. D.Petcu, *A Family of Multistep Linear Methods for Solving Stiff Ordinary Differential Equations*, Analele Universității din Timișoara, Seria Științe Matematice, vol. XXX, fasc. 2-3, 1992, pp. 257-282
- 1990 77. D.Petcu, *Search Method For One-Dimensional Minimization*, Analele Universității din Timișoara, vol. XXVIII, fasc. 2-3, Seria Științe Matematice, 1990, pp. 165-175
78. D.Petcu, *On the Error Estimate of Newton's Method for a Hölder Continuous F-derivate*, Analele Universității din Timișoara, vol. XXVIII, fasc. 2-3, Seria Științe Matematice, 1990, pp. 149-163
- 1988 79. D.Petcu, *New Methods for Solving Stiff Differential Equation Systems*, Analele Universității din Timișoara, vol. XXVI, fasc. 3, Seria Științe Matematice, 1988, pp. 67-72

5 Proceedings papers

5.1 Proceedings from ACM

- 2013 80. D. Petcu, *Multi-Cloud: expectations and current approaches*. In Proceedings of the 2013 international workshop on Multi-cloud applications and federated clouds (MultiCloud '13). ACM, New York, NY, USA, 1-6. doi: 10.1145/2462326.2462328, 2013 (citations: 1)
- 2012 81. D. Petcu, *How to build a reliable mOSAIC of multiple cloud services*. In Proceedings of the 1st European Workshop on Dependable Cloud Computing (EWDCC '12). ACM, New York, NY, USA, Article 4, 2012. doi: 10.1145/2365316.2365320,
82. D. Petcu, C. Sandru, *Towards Component-based Software Engineering of Cloud applications*, Procs. WICSA/ECSA 2012 Companion Volume, ICPS - published by ACM, 80-81, 2012, doi: 10.1145/2361999.2362013

5.2 Springer's LNCS starting from 2006

- 2014 83. D. Petcu, On the Management of Cloud Services in Multi-Clouds for Scientific Applications, in Ivan Lirkov et al (eds.): LSSC 2013, LNCS 8353, pp. 501–509, 2014
- 2012 84. D. Petcu, S. Panica, C. Sandru, C. Craciun, M. Neagul, *Experiences in Building an Event-Driven and Deployable Platform as a Service*, In X.S. Wang et al. (Eds.): WISE 2012, LNCS 7651, pp. 666–672, 2012.
85. K. Wasielewska, M. Drozdowicz, P. Szymeja, M. Ganzha, M. Paprzycki, I. Lirkov, D. Petcu, C. Badica, *Agents in Grid System Design and Implementation*, LSSC 2011, I. Lirkov, S. Margenov, and J. Wansiewski (Eds.): LNCS 7116, 2012, Springer, pp. 662-669
86. D. Petcu, *Challenges of Future e-Infrastructure Governance*, M. Alexander et al. (Eds.): Euro-Par 2011 Workshops, Part II, LNCS 7156, pp. 86-95, 2012.
- 2011 87. D. Petcu, *Portability and Interoperability between Clouds: Challenges and Case Study*, W. Abramowicz et al. (Eds.): ServiceWave 2011, LNCS 6994, pp. 62-74, 2011. (citations: 15)
88. D. Petcu, C. Craciun, M. Neagul, S. Panica, B. Di Martino, S. Venticinque, M. Rak, and R. Aversa, *Architecturing a Sky Computing Platform*, ServiceWave 2010 Workshops, LNCS 6569, 2011, 1-13 (citations: 3)
89. B. Di Martino, D. Petcu, R. Cossu, P. Gonçalves, Tamás Mähr, and M. Loichate, *Building a Mosaic of Clouds*, EuroPar Wokshops 2010, LNCS 6586, 2011, 529-536 (citations: 28)
90. S. Venticinque, R. Aversa, B. Di Martino, M. Rak, D. Petcu, *A Cloud Agency for SLA Negotiation and Management*, EuroPar Wokshops 2010, LNCS 6586, 2011, 547-554 (citations: 20)
- 2008 91. A. Cârstea, M. Frincu, A. Konovalov, G. Macariu, D. Petcu, *On Service-oriented Symbolic Computing*, PPAM - Parallel Processing and Applied Mathematics, LNCS 4967, 2008, Springer, pp. 843-851.
92. A. Cârstea, G. Macariu, D. Petcu, and A. Konovalov, *Pattern Based Composition of Web Services for Symbolic Computations*, M. Bubak et al. (Eds.): ICCS 2008, Part I, LNCS 5101, pp. 126-135, 2008.
- 2007 93. K. Hammond, A. Al Zain, G. Cooperman, D. Petcu, Phil Trinder, *SymGrid: A Framework for Symbolic Computation on the Grid*, A.M. Kermarrec, L. Bouge, and T. Priol (Eds.): EuroPar 2007, LNCS 4641, pp. 447-456, 2007, Springer-Verlag, Berlin, Heidelberg 2007. (citations: 7)
94. D. Zaharie, D. Petcu, S. Panica, *A Hierarchical Approach in Distributed Evolutionary Algorithms for Multiobjective Optimization*, Procs LSCC, LNCS 4818, 2007, Springer, pp. 505-514. (citations: 3)
- 2006 95. D. Petcu, D. Vizman, M. Paprzycki, *Porting CFD Codes Towards Grids: A Case Study*, PPAM 2005, LNCS 3911, ISSN 0302-9743, pp. 817-824, 2006

5.3 Proceedings from IEEE Computer Press

- 2013 96. C. Marinescu, D. Petcu, Quality Assessment in the Cloud: Is It Worthwhile?, 2013 17th European Conference on Software Maintenance and Reengineering (CSMR), pp.453-456, 5-8 March 2013 doi: 10.1109/CSMR.2013.70
- 2012 97. C. Sandru, D. Petcu, V. Munteanu, *Building an Open-source Platform-as-a-Service with Intelligent Management of Multiple Cloud Resources*, Procs. UCC 2012, 333-338. doi: 10.1109/UCC.2012.54 (citations: 2)
98. V. Stankovski, J. Južna, D. Petcu, *Enabling Legacy Engineering Applications for Cloud computing: Experience with the mOSAIC API and Platform*, Procs. EIDWT 2012, 2012 Third International Conference on Emerging Intelligent Data and Web Technologies, 281-286 doi: 10.1109/EIDWT.2012.49
99. D. Petcu, M.E. Frincu, S. Panica, M. Neagul *Towards Programmatic Management of Services from Multiple Clouds*, Procs. InCoS 2012, 2012 Fourth International Conference on Intelligent Networking and Collaborative Systems, 487-488, doi: 10.1109/iNCoS.2012.77 (citations: 1)
100. S. Panica, D. Petcu, I. Lazkanotegi Larrate, T. Mahr, *Sky Computing Platform for Legacy Distributed Application*, Procs 2012 11th International Symposium on Parallel and Distributed Computing (ISPDC'12), 293-300, doi: 10.1109/ISPDC.2012.47
101. D. Petcu, V. Stankovski, *Towards Cloud-enabled Business Process Management based on Patterns, Rules and Multiple Models*, Procs. ISPA 2012, 10th IEEE International Symposium on Parallel and Distributed Processing with Applications, 454-459, doi: 10.1109/ISPA.2012.66
102. D. Ardagna, E. Di Nitto, G. Casale, D. Petcu, P. Mohagheghi, S. Mosser, P. Matthews, A. Gericke, C. Ballagny, F. D'Andria, C.S. Nechifor, C. Sheridan, *MODACLOUDS: A Model-Driven Approach for the Design and Execution of Applications on Multiple Clouds*, Procs. MISE/ICSE 2012, 50-56. (citations: 14)
- 2011 103. D. Petcu, M. Frincu, C. Craciun, S. Panica, M. Neagul, G. Macariu: *Towards Open-Source Cloudware*, In Procs. Fourth IEEE International Conference on Utility and Cloud Computing, UCC 2011, pp.330-331, DOI: 10.1109/UCC.2011.53 (citations: 3)
104. S. Panica, M. Neagul, C. Craciun, D. Petcu, *Serving Legacy Distributed Applications by a Self-configuring Cloud Processing Platform*, Procs. of the 6th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2011), vol I, 2011, 139-145. (citations:1)
105. M. Frincu, N. Villegas, D. Petcu, H.A. Mueller, R. Rouvoy, *Self-Healing Distributed Scheduling Platform*, Procs. 11th

- IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid'11), IEEE Computer Press, 2011, ISBN 978-1-4577-0129-0, 225 - 234 (citations: 2)
106. D. Petcu, C. Cracium, M. Neagul, M. Rak, I. Lazcanotegui, *Building an Interoperability API for Sky Computing*, Proceedings of the 2011 International Conference on High Performance Computing & Simulation Workshop on Cloud Computing Interoperability and Services (InterCloud 2011), IEEE CS, ISBN 978-1-61284-381-0, 405-412 (citations: 11)
- 2010 107. D. Petcu, *Identifying Cloud Computing Usage Patterns*, Procs. Cluster 2010, ISBN 978-1-4244-8395-2, IEEE Computer Press, 2010, p. 1-8 (citations: 9).
108. C. Mindruta, D. Petcu, *A Semantic Services Architecture for Solving ODE Systems*, Procs. SYNASC 2010, IEEE Computer Press, 2010, pp.301-307.
- 2009 109. S. Panica, M. Neagul, D. Petcu, T. Stefanut, D. Gorgan, *Designing a Grid-based Training Platform for Earth Observation*, Procs. SYNASC 2008, ISBN: 978-0-7695-3523-4, IEEE Computer Press, 2009, pp. 394-397
110. M. Neagul, S. Panica, D. Petcu, D. Zaharie, D. Gorgan, *Web and Grid Services for Training in Earth Observation*, IEEE International Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications 21-23 September 2009, (IDAACS'09), Rende (Cosenza), Italy, ISBN 978-1-4244-4882-1-09 p.241-246
111. A. Carstea, G. Macariu, M. Frincu, D. Petcu, *Description and Execution of Patterns for Symbolic Computations*, Procs. SYNASC 2009, ISBN: 978-0-7695-3964-5, IEEE Computer Press, 2009, pp. 205-212
- 2008 112. G. Macariu, A. Carstea, M. Frincu, D. Petcu, *Towards a Grid Oriented Architecture for Symbolic Computing*, Procs. ISPDC 2008, Krakow, ISBN: 978-0-7695-3472-5, 2008, IEEE Computer Press, pp. 259-266
113. A. Cârstea, G. Macariu, M. Frincu, D.Petcu, *Workflow Management for Symbolic Grid Services*, Procs. SYNASC 2008, ISBN: 978-0-7695-3523-4, IEEE Computer Press, 2009, pp. 373-379
- 2007 114. D. Petcu, *Distributed Symbolic Computations*, Invited talk, ISPDC 2007, July 5-8 2007, Hagenberg, IEEE Computer Press, Los Alamitos (ISBN 0-7695-2917-8), 10-11.
115. A. Cârstea, Marc Frîncu, G. Macariu, D. Petcu, K. Hammond, *Generic Access to Web an Grid-based Symbolic Computing Services*, ISPDC 2007, July 5-8 2007, Hagenberg, IEEE Computer Press, Los Alamitos (ISBN 0-7695-2917-8), 143-150 (citations: 1)
116. D. Petcu, D. Zaharie, D. Gorgan, F. Pop, D. Tudor, *MedioGrid: a Grid-based Platform for Satellite Image Processing*, IEEE Fourth International Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2007), Dortmund, Germany, September 6-8, 2007, IEEE Computer Press, 137-142. (citations: 8)
117. G. Macariu, M. Frincu, A. Carstea, D. Petcu, A. Eckstein, *Redesigning Parallel Symbolic Computations Packages*, PACT 2007, 16th International Conference on Parallel Architecture and Compilation Techniques, 15-19 Sept. 2007, ISSN 1089-795X, IEEE Computer Press, pp. 417.
118. D. Petcu, S. Panica, D. Banciu, V. Negru, A. Eckstein, *Optical character recognition on a Grid infrastructure*, Procs. 3rd International Conference on Automated Production of Cross Media Content for Multi-channel Distribution, AXMEDIS 2007, J. Delgado, K. Ng, P. Nesi, P. Bellini (eds.), IEEE Computer Society Press, Los Alamitos, ISBN 0-7695-3030-3, 2007 pp. 21-25 (citations: 1)
119. M. Frîncu, D. Petcu, *Remote Control for Graphic Applications*, SYNASC 2007, September 2007, Timisoara, IEEE Computer Press, ISBN 0-7695-3078-8, 2007, pp. 304-309. (citations: 1)
120. G. Macariu, D. Petcu, *Parallel Multiple Polynomial Quadratic Sieve on Multi-core Architectures*, SYNASC 2007, September 2007, Timisoara, IEEE Computer Press, ISBN 0-7695-3078-8, 2007, pp. 59-65.
121. A. Cârstea, G. Macariu, M. Frîncu, D. Petcu, *Composing Web-based Mathematical Services*, SYNASC 2007, September 2007, Timisoara, IEEE Computer Press, ISBN 0-7695-3078-8, 2007, pp. 327-334.
- 2006 122. D.Petcu, *Between Web and Grid-based Mathematical Services*, ICCGI, 1-3 August 2006, Bucharest, IEEE Computer Society Press, Los Alamitos (ISBN 0-7695-2629-2), eds. P. Dini, C. Popoviciu, C. Dini, Gunter Van de Velde, E. Borcoci, pp. 41-47 (citations: 4)
123. D.Petcu, V. Iordan, *Grid Service based on GIMP for Processing Remote Sensing Images*, SYNASC 2006, Timisoara, 25-29 September 2006, IEEE Computer Society Press, Los Alamitos (ISBN 0 7695 2740 X), 251-258 (citations: 7)
124. N.Somosi, D.Petcu, *A Parallel Algorithm for Rendering Huge Terrain Surfaces*, SYNASC 2006, Timisoara, 25-29 September 2006, IEEE Computer Society Press, Los Alamitos (ISBN 0 7695 2740 X), 274-278 (citations: 1)
- 2005 125. M.Petcu, D.Petcu, *Distributed rule-based system*, SOFA 2005, 27-30 August 2005, Szeged, IEEE Computer Society Press, IEEE Hungary Section (ISBN 963 219 001 7), 257-262.
126. D.Petcu, *Parallel Jess*, ISPDC 2005, 4-6 July 2005, Lille, IEEE Computer Society Press, Los Alamitos (ISBN 0-7695-2434-6), 307-314. (citations: 4)
127. D.Petcu, *Adapting a Partitioning-based Heuristic Load-balancing Algorithm to Heterogeneous Computing Environments*, SYNASC 2005, Timisoara, 25-29 September 2005, IEEE Computer Society Press, Los Alamitos (ISBN 0 7695 2453 2), 170-173.
- 2004 128. D.Petcu, D.Dubu, M. Paprzycki, *Extending Maple to the Grid: Design and Implementation*, ISPDC 2004, 5-8 July 2004, Cork, IEEE Computer Society Press, Los Alamitos (ISBN 0-7695-2210-6), 209-216. (citations: 2)
- 2003 129. D.Petcu, *Parallel explicit-state reachability analysis and state space construction*, Proceedings of Second International Symposium on Parallel and Distributed Computing, ISPDC 2003, 13-14 October 2003, Ljubljana, IEEE Computer Society Press, Los Alamitos (ISBN 0-7695-2069-3), 207-214. (citations: 7)
- 2000 130. D.Petcu, *Experiments with PVM Maple and Parallel Methods for ODEs*, Cluster2000: IEEE International Conference on Cluster Computing, Chemnitz, Germany, 28 Nov. -1 Dec. 2000, Proceedings, IEEE Computer Society, 393-394.

5.4 Proceedings of international conferences

- 2013 131. A. Edmonds, T. Metsch, D. Petcu, E. Elmroth, J. Marshall, P. Ganchosov, *FluidCloud: An Open Framework for Relocation of Cloud Services*, In Proceedings USENIX ATC, 24-28 June, 2013, San Jose.
132. D. Petcu, *On the Interoperability in Multiple Clouds*. In Proceedings of the 3rd International Conference on Cloud Computing and Services Science, CLOSER 2013, 581-590, 2013, DOI: 10.5220/0004503105810590
- 2012 133. D. Petcu, *Cloudware Support for Scientific Applications*, Procs. RO-LCG 2012, ISBN 978-973-662-701-1, Cluj-Napoca, Oct. 2012, pp. 70-73, <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6528249&isnumber=6528224>

134. A. Toma, S. Panica, D. Zaharie, D. Petcu, *Computational Challenges in Processing Large Hyperspectral Images*, Procs. RO-LCG 2012, ISBN 978-973-662-701-1, Cluj-Napoca, Oct. 2012, pp. 111-114, <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6528260&isnumber=6528224>
135. D. Petcu, *Towards Programmable Infrastructures: the Steps made by Cloud Computing and their Technical Support*, Procs. WoSS-4, CLASS Conference, Slovenia, Oct 2012, pp. 19-21
136. B. A. Caprarescu, D. Petcu. *Decentralized Probabilistic Auto-Scaling for Heterogeneous Systems*, Procs. ADAPTIVE 2012, ISBN: 978-1-61208-219-6, 7-12 (preliminary version at arXiv:1203.3885v1 [cs.DC], available at <http://arxiv.org/abs/1203.3885>) (citations: 1)
- 2011 137. D. Petcu, D. Zaharie, S. Panica, A. S. Hussein, A. Sayed, H. El-Shishiny, *Fuzzy Clustering of Large Satellite Images using High Performance Computing*, In Proceedings of SPIE Volume 8183, article 818302 (2011), SPIE Remote Sensing Conference: High-Performance Computing in Remote Sensing, 19-22 September 2011, Prague, doi:10.1117/12.898281 (citations: 1)
138. D. Petcu, S. Panica, M. Neagul, *From Grid Computing Towards Sky Computing. Case Study for Earth Observation*, Proceedings Cracow Grid Workshop 2010, Academic Computer Center, Poland, ISBN 978-83-61433-03-3 p. 11-20 (citations: 5)
139. S. Venticinque, R. Aversa, B. Di Martino, D. Petcu, *Agent based Cloud provisioning and management. Design and Prototypal Implementation*, Procs. CLOSER 2011 - 1st International Conference on Cloud Computing and Services Science, Ed. F. Leymann, I. Ivanov, M. van Sinderen and B. Shishkov SciTePress - Science and Technology Publications, Portugal, ISBN: 978-989-8425-52-2, 184-191 (citations: 8)
140. D. Petcu, C. Craciun, M. Rak, *Towards a cross platform Cloud API. Components for Cloud Federation*, Procs. CLOSER 2011 - 1st International Conference on Cloud Computing and Services Science, Ed. F. Leymann, I. Ivanov, M. van Sinderen and B. Shishkov SciTePress - Science and Technology Publications, Portugal, ISBN: 978-989-8425-52-2, 166-169 (citations: 6)
- 2010 141. S. Panica, M. Neagul, D. Petcu, *Processing remote sensing images on a Grid-based platform*, ICWI2010: IADIS Int. Conference WWW/Internet 2010, Timisoara, October 2010, Procs., B. White, P. Isaias, D. Andone (eds). pp. 397-399, ISBN: 978-972-8939-25-0.
142. D. Petcu, S. Panica, M. Neagul, M. Frincu, D. Zaharie, D. Gorgan, T. Stefanut, V. Bacu, *GiSHEO: On-line Platform for Training in Earth Observation*, ICVL 2010: 5th International Conf. on Virtual Learning, Târgu Mureş, October 2010, Procs., M. Vlada, G. Albeanu, D.M. Popovici (eds.), Bucharest University Press, ISSN 1844-8933, pp. 290-297
143. D.Petcu, D. Zaharie, S. Panica, M. Frincu, M. Neagul, D. Gorgan, and T. Stefanut, *Grid-based platform for training in Earth Observation*, Geophysical Research Abstracts, Vol. 12, EGU2010-6713-1, 2010
144. D. Petcu, D. Zaharie, D. Gorgan, S. Panica, M. Neagul, M. Frincu, V. Bacu, T. Stefanut, *On demand Grid services for training in Earth Observation*, 5th EGEE User Forum / Contributions book, 2010, 68-69.
- 2009 145. D. Petcu, V. Iordan, *Understanding Service Oriented Architectures in the Classroom: from Web Services to Grid Services*, Procs. ISD 2008 - Information Systems Development Towards a Service Provision Society Papadopoulos, G.A.; Wojtkowski, W.; Wojtkowski, G.; Wrycza, S.; Zupancic, J. (Eds.) Springer Hardcover ISBN: 978-0-387-84809-9, 2009, pp. 831-838 (citations: 2)
146. D. Gorgan, V. Băcu, G. Neagu, D. Petcu, F. Pop, *ESIP - Grid based Satellite Data Processing Platform*, 4rd EGEE User forum, Catania, Feb 2009, Book of abstracts. (citations: 1)
147. D.Petcu, *GiSHEO - Grid-based Services for Education in Earth Observation*, EGEE Conference, Barcelona, Sept 2009, Book of abstracts.
148. D.Gorgan, V. Bacu, D. Rodila, F. Pop, D. Petcu, *Experiments on ESIP - Environment oriented Satellite Data Processing Platform*, SEE-Grid User Forum, December 2009, Istanbul
149. B.A. Caprarescu and D. Petcu, *A Self-Organizing Feedback Loop for Autonomic Computing*, ADAPTIVE 2009 November 15-20, 2009 - Athens/Glyfada, Greece, Best paper award. In Future Computing, Service Computation, Cognitive, Adaptive, Content, Patterns, 2009. COMPUTATIONWORLD '09., IEEE CS Press, 126 - 131. (citations: 3)
- 2008 150. Frincu, M.E., Petcu, D., *On Designing an Asynchronous and Dynamic Platform for Solving Single Task Requests of Remote Applications*, Procs. ICCGI '08. The Third International Multi-Conference on Computing in the Global Information Technology, 2008, pp. 12-18.
151. D.Petcu, A. Eckstein, C. Giurgiu, *Reengineering a software system implementing parallel methods for differential equations*, Procs. 7th Int. Conf. on Software Engineering, Parallel and Distributed Systems (SEPADS'08), University of Cambridge, UK, Feb. 20-22, 2008, ISSN: 1790-5177, ISBN: 9878-960-6766-42-8, pp. 95-100.
152. S.Panica, D. Petcu, D. Zaharie, *Evolutionary multi-objective optimization on Grid environments*, Procs. PDCN 2008, Parallel and Distributed Computing and Networks - 2008, Innsbruck, 11-14 February 2008, Acta Press, ISBN 978-0-88986-713-0, editor H. Burkhart, pp. 81-86 (citations: 1)
153. G.Neagu, N.Andrei, V.Sima, V.Cristea, C.Nae, R.Potolea, D. Petcu, *Grid enabled applications for modeling, simulation and optimization*, 3rd EGEE User forum, Clermont-Ferrand, Feb 2008, Book of abstracts, pp. 189
- 2007 154. D.Petcu, S. Panica, A. Eckstein, *Satellite Image Processing on Computational Grids*, Procs. ACMOS'07, 9th International Conference on Automatic Control, Modeling & Simulation, Istanbul, Turkey, May 27-29, 2007, ISBN 978-960-8457-72-0, pp. 216-221
155. K. Hammond, D. Petcu, P. Trinder, A.Al Zain, S. Linton, and G. Michaelson, *Using Parallel Functional Programming Technology to achieve Heterogeneous Symbolic Computing on the Grid*, Procs. 8th Symposium on Trends in Functional Programming (TFP 2007), Marco T. Morazan, Henrik Nilsson (Eds.), TR-SHU-CS-2007-0-1, pp. 22-34
156. D. Petcu, K. Hammond, P. Trinder, A. Al Zain, *SymGrid: Symbolic Computations on Grids*, 2nd EGEE User forum, Manchester, May 2007, Books of Abstracts, pp. 241-242.
- 2006 157. D. Petcu, *Improving Computer Algebra Systems by Using Grid Services*, in 1st Austrian Grid Symposium, J. Volkert, T. Fahringer, D. Kranzlmüller, W. Schreiner (eds.), Austrian Computer Society, Band 210, ISBN 3-85403-210-2, 2006, 102-110
158. D.Petcu, *A Solution for Satellite Image Processing on Grids*, Procs. DNCOCO'06, 5th Int. Conf. on Data networks, Communications and Computers, Bucharest, October 16-18, 2006, ISBN 960-8457-54-8, pp. 75-80
159. D.Petcu, *Automatic Generated Clients of Grid Services for Computational Fluid Dynamics*, Procs. MATH'06, 10th

- International Conference on Applied Mathematics, Dallas, Texas, USA, November 1-3, 2006, ISBN 960-8457-55-6, pp. 96-101
160. D. Zaharie, S. Panica, M. Stoia-Djeska, M. Dragan, D. Petcu, *Airfoil shape optimization by coupling computational fluid dynamics with evolutionary multiobjective optimization*, Procs. Proceedings of the International Multiconference on Computer Science and Information Technology (IMCSIT 2007), October 15 - 17, 2007, Wisla, Poland, vol. 2, M. Ganzha, M. Paprzycki, T. Pelech-Pilichowski (eds), ISSN 1896-7094, Polskie Towarzystwo Informatyczne, Katowice, 323-325.
- 2005 161. D.Petcu, D.Tepeneu, M.Paprzycki, T.Mizutani, T.Ida, *Survey of Symbolic Computations on the Grid* (invited talk), Procs. SETIT 2005, 3rd International Conference: Sciences of Electronic, Technologies of Information and Telecommunications March 27-31, 2005 - Tunisia. (citations: 1)
162. D.Petcu, M. Petcu, *Distributed Jess on a Condor Pool*, Procs. ICCOMP'05, 9th International CSCC Multiconference - Computers'05, July 11-16, 2005, Vouliagmeni, Greece, ed. N. E. Mastorakis, K. Passadis, ISBN: 960-8457-29-7, CD version, paper 497-315. (citations: 2)
163. G. Ciobanu, D. Petcu, *P accelerators: Parallelization of sequential simulators*, in Cellular Computing: complexity aspects, M.A.Gutierrez-Naranjo, Gh.Păun, M.J.Perez-Jimenez (Eds.), ESF PESC Exploratory Workshop, Fenix Editora, Sevilla, 2005, 177-186.
- 2003 164. D.Petcu, D.Vizman, J.Friedrich, M.Popescu, *Crystal Growth Simulation on Clusters*, Proc. of HPC2003: High Performance Computing Symposium 2003, ed. I. Banicescu, March 30-April 3, Orlando, Florida, Simulation Councils Inc. San Diego (ISBN 1-56555-264-4), 2003, 41-46
- 2001 165. D. Petcu, D. Gheorghiu, *PAVIS: a parallel virtual environment for solving large mathematical problems*, Parallel Computing. Advances and Current Issues, eds. G.R. Joubert, A. Murli, F.J. Peters, M. Vanneschi, Proceedings of the International Conference PARCO 2001, Napoli, Italia, 04-07.09.2001, Imperial College Press, 2002, 490-497.
166. D. Petcu, *Connected mathematical software kernels: a solution for large IVP integration*, HERCMA 2001: 5th Hellenic - European Conference on Computer Mathematics and its Applications, 20-22.09.2001, Atena, Grecia, Proceedings, ed. E.A. Lipitakis, LEA (ISBN 960-85176-7-2) Hellas, 2002, 613-620
167. D. Petcu, D. Vizman, M. Popescu, *Computational fluid dynamics on a cluster*, SYNASC 01: 3rd International Workshop on Symbolic and Numerical Algorithms for Scientific Computing, Timișoara, 02-05.10.01, Proceedings, Risc-Linz Report Series No. 01-20, 15-21.
168. D.Petcu, *Working with multiple Maple kernels connected by Distributed Maple or PVM Maple*, RISC-Linz Technical Report Series No. 01-18, eds. RISC-Linz Faculty: E.S. Blurock, B.Buchberger et al., March 2001.
- 2000 169. D.Petcu, *Towards the automatic numerical solution of ODEs*, ITI'2000: 22nd International Conference on Information Technology Interfaces, Pula, Croatia, June 13-16 2000, eds. D. Kalpic, V. Hljuz Dobric, SRCE Publication (ISBN 953-96769-1-6), Zagreb, 2000, 171-176.
170. D.Petcu, *Anatomy of an Automatic Solution Generator for Differential Equations*, Algoritmy 2000: 15th Conference on Scientific Computing, Proceedings, Vysoke Tatry - Podbanske, Slovakia, 10-15 September, 2000, eds. Angela Handlovicova, Magda Komornikova, Karol Mikula, Daniel Sevcovic, Vydavatel'sto STU (ISBN 80-227-1391-0), Bratislava, 217-226.
171. D.Petcu, *Numerical Solution of ODEs with Distributed Maple*, RISC-Linz Technical Report Series No. 00-09, eds. RISC-Linz Faculty: E.S. Blurock, B.Buchberger et al., february 2000, 12 pages.
172. A. Moldovan, D. Petcu, V. Gioncu, *Post-critical behaviour of thin-walled beams. DuctRot-TWM computer program*, Proceedings of the 3th International Conference on Coupled Instabilities in Metal Structures CIMS'2000, 21-23 Sept. 2000, Lisbon, eds. Dinar Camotim, Dan Dubinã, Jacques Rondal, Imperial College Press, London, 595-604.
- 1999 173. D.Petcu, *On the Use of Multiprocessor Systems for Initial Value Problems*, Proceedings of the 3th International Conference on Parallel Processing & Applied Mathematics, PPAM'99, Kazimierz Dolny, Poland, 14-17 September 1999, eds. Roman Wyrzykowski, Bohdan Mochnecki, Henryk Piech, Janusz Szopa, Puhw Axon S.C., Institute of Mathematics and Computer Science, Technical University of Czestochowa, 306-318.
174. A.Moldovan, D.Petcu, V.Gioncu, *Ductility of Thin-Walled Members*, SDSS'99: Proceedings of the 6th International Colloquium on Stability and Ductility of Steel Structures, Timișoara, Romania, 9-11 September 1999, eds. Dan Dubinã, Miklós Iványi, Elsevier Science Ltd., 299-308. (citations: 6)
- 1998 175. D.Petcu, *Problem solving environment for ordinary differential equations*, NMDE'98: 2nd Meeting on Numerical Methods for Differential Equations, Coimbra, 25-27 February 1998, Proceedings, ed. P.Oliveira et al. The Press of the University of Coimbra, 177-186.
176. D.Petcu, *Parallel quadric rendering with load balancing strategy*, VECPAR'98: 3rd International Meeting on Vector and Parallel Processing, Porto, 21-23 June 1998, Proceedings, Part III, FEUP Press, Porto, 763-776.
177. D.Petcu, M.Drăgan, *Parallel rendering algorithm for curved surfaces*, PARELEC'98: International Conference on Parallel Computing in Electrical Engineering, Białystok, 2-5 September 1998, The Press of the Technical University of Białystok, 191-196.
178. D.Petcu, *Computer environment for numerical ODE solvers*, Proceedings of DIFFEQ98: 2nd International Conference on Differential Equation and Applications, Saint-Petersburg, 15-20 June 1998, ed. G.Osipenko, Russian Foundation for Basic Research, The Press of State Technical University from Saint Petersburg, 72-85.
- 1996 179. V.Gioncu, L.Tîrcă, D.Petcu, *Rotation capacity of rectangular hollow section beams*, 7th International Symposium on Tubular Structures, 28-30 Aug. 1996, Miskolc, Ungaria, ed. M. Iványi, Akadémiai Kiado, Budapest, 345-356. (citations: 1)
180. V.Gioncu, L.Tîrcă, D.Petcu, *Interaction between in-plane and out-of-plane plastic buckling of wide-flange section members*, in Proceedings of the 2nd International Conference on Coupled Instabilities in Metal Structures, CIMS 96, septembrie 5-7, 1996, Liège, ed. J. Rondal et al, Imperial College Press, 273-281. (citations: 4)
- 1995 181. V.Gioncu, D.Petcu, *Corrugated Hypar Structures*, in Lightweight Structures in Civil Engineering, ed. J.B. Obrebski, International Conference, Warsaw University of Technology, Warsaw, Poland, 25-29 Sept. 1995, 637-644.
182. V.Gioncu, D.Petcu, *Obliczenia, projektowanie i zastosowania blach faldowych w postaci faldodowej paraboloidy hiperbolicznej*, Sympozjum Blachy Faldowe, zasosowania i rozwizania, Rzeszów, grudzień 1995, 109-123
183. V.Gioncu, D.Petcu, *Numerical Investigations on the Rotation Capacity of Beams and Beam-Columns*, Proceedings of International Colloquim Stability of Steel Structures. Further Direction in Stability Research and Design, European Session, 21-23 Sept. 1995, vol. I, ed. M. Iványi, B. Veröci, Akadémiai Kiado, Budapest, 163-174. (citations: 3)

5.5 Proceedings of conferences organized in Romania with international referees

- 2009 184. Frincu, M.; S. Panica, M. Neagul, D. Petcu, *Gisheo: On Demand Grid Service Based Platform for EO Data Processing*, Proceedings of the 3rd International Workshop on High Performance Grid Middleware (HiperGrid'09), Volume 2, Politehnica Press, Bucharest, 2009, pp. 415-422.
- 2008 185. S. Panica, D. Petcu, A. Eckstein, *Solving Computational-Intensive Tasks for Digital Libraries by using Grid-based e-Infrastructures*, Procs. CONTI 2008, vol. 2, pp. 65-68.
186. D. Petcu, *Migrating an Expert System towards Service Oriented Architecture and Multicore Systems*, In Scientific and Educational Grid Applications, H.N. Teodorescu, M. Crauss (Eds.), Ed. Politehniun, Iasi, 2008, ISBN 978-973-621-236-9, 39-48.
187. A. Cârstea, G. Macariu, M. E. Frîncu, D. Petcu, *Secure Orchestration of Symbolic Grid Services*, Procs. HiperGrid 2008, IEEE Romania, Ed. Politehnica Press, ISSN 2065-0701, pp. 25-32
- 2007 188. D. Petcu, D. Zaharie, H. Popa, M. Frincu, A. Eckstein, *Grid Services Based on Heuristic Methods for Multi-Objective Optimization Problems*, Procs. CSCS-16, 16th Intern. Conference on Control Systems and Computer Science, 22-25 May, 2007, Editura Printech, vol. 2, ISBN 978-973-718-743-7, 136-141.
189. D. Petcu, A. Eckstein, C. Giurgiu, *Using Statefull Web Services to Expose the Functionality of Legacy Software Codes*, Procs. SACCS 2007, Iasi, 9th Internat. Symposium on Automatic Control and Computer Science, Proceedings, CD version, ISSN 1843-665-X
190. S. Panica, D. Petcu, D. Zaharie, *A Grid-enabled Framework for Evolutionary Multiobjective Optimization*, Procs. SACCS 2007, Iasi, 9th Internat. Symposium on Automatic Control and Computer Science, Proceedings, CD version, ISSN 1843-665-X
- 2006 191. D.Petcu, C. Bonchiş, M. Radu, *Applying Task Farming Model over Grids*, in Procs. International Conference on Computers, Communications & Control June 1-3, 2006, Baile Felix -Oradea, Romania, eds. I.Dziţac, Florin-Gheorghe Filip, Mişu-Jan Manolescu, Publisher: Agora University, 382-386.
192. D.Petcu, *Building a Portal for Grid-based Services*, in Procs. 7th International Conference on Technical Informatics - CONTI2006, eds. O. Prostean, M. Crisan, E.E. Precup, D. Andreescu, D. Pescaru, M. Stratulat, Ed. Politehnica, 2006, vol. 2: Computer and Software Engineering, 143-148
193. D. Zaharie, D. Petcu, *Communications Strategies in Distributed Evolutionary Algorithms for Multi-objective Optimization*, in Procs. 7th International Conference on Technical Informatics - CONTI2006, eds. O. Prostean, M. Crisan, E.E. Precup, D. Andreescu, D. Pescaru, M. Stratulat, Ed. Politehnica, 2006, vol. 1: Automation and Applied Informatics, 151-156
194. D.Petcu, D.Zaharie, *Parallel implementation of multi-population differential evolution*, Revised version of (199) in Concurrent Information Processing and Computing, eds. Dan Grigoraş, Alex Nicolau, IOS Press, vol. 195 NATO Science Series: Computer & Systems Series, May 2005, ISBN 1-58603-502-9, pp. 223-232. (citations: 11)
- 2004 195. D.Petcu, *Faster Computer Algebra Systems via Parallel and Grid Extensions*, Proceedings SACCS04, 8th International Symposium on Automatic Control and Computer Science, October 22-23, 2004, eds. Mitićă Crauss, Corneliu Lazăr, Ed. Politehniun, ISBN 973-621-086-3, Iaşi, 2004, 42-45 and Bul. Inst. Polit. Iasi, fasc. 1-4, tom L (LIV), 2004, pp. 101- 107.
196. D. Petcu, D. Dubu, *An extension of Maple for grid and cluster computing*, Procs. of the International Conference on Computers and Communications -ICCC 2004, eds. I.Dziţac, T. Maghiar, C.Popescu, Oradea, Băile Felix SPA, May 27-29 2004 (ISBN 973-613-542-X), Metropolis SRL, Oradea, 355-360.
197. D.Petcu, D.Dubu, *Mapping General Purpose Scientific Computing Environments onto a Computational Grid*, Proceedings SYNASC04, 6th International Symposium Timișoara, Workshop: Symbolic Computation on Grids, September 26-30, 2004, eds. D.Petcu, V.Negru, D.Zaharie, T.Jebelean, Ed.Mirton, ISBN 973-661-441-7, Timișoara, 2004, 574-585
- 2003 198. D.Petcu, D.Dubu, *Parallel state construction on a cluster*, Proceedings CSCS-14, 14th International Conference on Control Systems and Computer Science, 2-5 July, 2003, Editura Politehnica Press, ISBN 973-8449-18-9, 192-198.
199. D.Zaharie, D.Petcu, *Parallel implementation of multi-population differential evolution*, CIPC 2003, Concurrent Information Processing and Computing, Nato Advanced Research Workshop, Sinaia, July 2003, pre-proceeding, eds. D. Grigoras et al, A.I.Cuza University Press, 262-269. (citations: 15)
200. D.Petcu, D.Dubu, *Load Balancing in Parallel State Space Exploration*, Proceedings SYNASC03, 5th International Workshop Timișoara, October 1-4, 2003 eds. D.Petcu, V.Negru, D.Zaharie, T.Jebelean, Ed.Mirton, ISBN 973-661-104-3, Timișoara, 2003, 211- 221
201. D.Petcu, A.Oprean, *Constructing a grid portal*, Proceedings SYNASC03, 5th International Workshop Timișoara, October 1-4, 2003 eds. D.Petcu, V.Negru, D.Zaharie, T.Jebelean, Ed.Mirton, ISBN 973-661-104-3, Timișoara, 2003, 324- 328
- 2002 202. D.Petcu, C.Popa, *On the parallel implementation of Kovarik approximate orthogonalization algorithm*, Proceedings SYNASC02, 4th International Workshop Timișoara, October 9-12, 2002 eds. D.Petcu, V.Negru, D.Zaharie, T.Jebelean, Ed.Mirton, ISBN 973-585-785-5, Timișoara, 2002, 263- 274
- 2001 203. D.Petcu, M.Petcu, *Efficiency model for parallel methods solving ODEs*, Proceedings of the 9th Symposium of Mathematics and its Applications,"Politehnica " University of Timișoara, 3-6 November 2001, eds. N.Boja, P. Corsini, R. Mirfolic, P. Găvrută, O. Lipovan, Centru de Multiplicare al UPT, ISSN 1224-6069, p. 376-381.
204. D.Petcu, *Connecting scientific computing environments*, Proceedings CSCS-13, 13th International Conference on Control Systems and Computer Science, May 31- June 2, 2001, Editura Politehnica Press, ISBN 973-85237-1-0, 388-393.
- 1999 205. D.Petcu, *Experiments with the method of line for time-dependent nonlinear partial differential equations*, Proceedings of the 8th Symposium of Mathematics and its Applications,"Politehnica " University of Timișoara, 4-7 November 1999, eds. N.Boja, P. Corsini, P. Găvrută, G. Milovanović, Tipografia "Politehnica" Timișoara, 121-126.
- 1998 206. St.Mărușter, V.Negru, D.Petcu, C.Sandru, *INTENSE - Intelligent non-linear algebraic and differential equations solver*, SINTES9: International Symposium on System Theory, Robotics, Computers and Process Informatics, Craiova, 4-6 June 1998, Vol. I: System Theory, pp. 38-45.
- 1997 207. D.Petcu, *A numerical software product for solving ordinary differential equations*, Proceedings of the 7th Symposium of Mathematics and its Applications, 6-9 November 1997, Tipografia Universității Politehnica Timișoara, pp. 217-222
208. D.Petcu, *Distributed and Parallel Implementations of Runge-Kutta methods*, Proceedings of ICAOR: International Conference on Approximation and Optimization, Cluj-Napoca 29 July - 1 August 1996, ed. D.D. Stancu, Gh. Coman, W.

- Breckner, P. Blaga, vol. II, Transilvania Press, 1997, pp. 193-202
- 1996 209. D.Petcu, L.Cucu, *Distributed plotting of curves and surfaces*, in Proceedings of ROSYCS '96: Romanian Symposium on Computer Science. Concurrent Systems and Formal Languages. Evolutionary Computing, eds: T.Juncan, H.Luchian, C. Masalagiu, F.L.Tiplea, pp. 215-224.
- 1995 210. D.Petcu, *Solving differential equations on a multiprocessor machine*, Proceedings of the 6th Symposium of Mathematics and its Applications, Timișora, 2-5 november 1995, Editura Mirton, ed. N.Boja, 289-297
- 1993 211. D.Petcu, *Some Stiff Stable Methods for the Numerical Integration of Ordinary Differential Equations*, Proceedings of the 9th Romanian Symposium on Computer Science, ROSYCS '93, 12-13 November 1993, editors V.Felea, G.Ciobanu, Universitatea A.I.Cuza Iasi, pp. 447-454
212. D.Petcu, *Efficient Methods for Numerical Solution of Ordinary Differential Equations*, Proceedings of the 5th Symposium of Mathematics and its Applications, 29-30 October 1993, ed. N.Boja, Ed. Mirton, Timișoara, 1993, pp. 234-240
- 1991 213. D.Petcu, *On the Hypothesis for the Error Estimate of Newton's Method*, Lucrările celui de-al IV-lea Simpozion de Matematici și Aplicații al Universității Tehnice din Timișoara, Ed. Mirton, Timișoara, ed. N.Boja, 1991, pp. 130-140

5.6 Proceedings of national conferences

- 2007 214. G. Neagu, N. Andrei, V. Sima, V. Cristea, C. Nae, R. Potolea, D. Petcu, Al. Stanciu, *Grid Enabled Applications for Modelling, Simulation and Optimization*, Procs. Conferinta AMCSIST, Brasov, October 2007 (Best Session Technical Paper Award)
- 2006 215. D. Petcu, *Adapting software applications to Grid environments* (in Romanian), MedioGrid workshop, eds. D.Gorgan, C.Meleti, Ed. Mediamira, Cluj-Napoca, 2006, 136-145.
- 2000 216. D.Petcu, *A tool for evaluating numerical methods for differential equations*, Proceedings CITTI 2000: Prima Conferință de Informatică Teoretică și Tehnologii Informatice, Constanța, 25-27 Mai 2000, pp. 1-7.
- 1996 217. D.Petcu, L.Cucu, *Concurrent drawing of curves and surfaces*, 5th Symposium in Descriptive Geometry, Design, Engineering and Computer Graphics, "Graphics, a scientific language", 17-19 June 1996, Timișoara, vol. IV: Grafică și proiectare asistată, procesarea imaginilor, partea a II-a, 861-868.
- 1988 218. D.Petcu, *New methods for solving stiff differential equations* (in Romanian), SNIC, IVth National Symposium in Informatics for Building Engineering, vol. 2, Timișoara, 26-27 May 1988, pp. 287-294.

5.7 Extended abstracts

- 2008 219. D.Petcu, S. Panica, *Porting legacy software codes towards Grid architectures*, presented at the National Workshop "Computational Physics and Modelling of Complex Phenomena", 29-20 May 2008, Timisoara.
220. D. Petcu, *Grid and Earth Science Education*, presented at 21st Internat. CODATA Conference, 3-8 Oct 2008, Kiev.
221. F. Serban, D. Petcu, *Grid and Earth Science Education*, presented at 3rd Grid & e-Collaboration Workshop for the Earth Science Community, 16-17 January 2008, Frascati.
- 2004 222. D. Dubu, D. Petcu, *Augmenting computer algebra systems through grid*, CaVIS 2004: Computer Aided Verification of Information Systems, Timișoara, February 2004, Extended Abstract, 36-39
223. D. Petcu, D.Zaharie, *On applying random and genetic search in model checking*, CaVIS 2004: Computer Aided Verification of Information Systems, Timișoara, February 2004, Extended Abstract, 62-65
224. C. Bădică, D. Petcu, *Parallel state space exploration and partial order reduction for model based diagnosis of static systems*, CaVIS 2004: Computer Aided Verification of Information Systems, Timișoara, February 2004, Extended Abstract, 40-43
- 2003 225. D. Petcu, D. Dubu, *Parallel and distributed computing in model checking*, CaVIS 2003: Computer Aided Verification of Information Systems, Timișoara, February 2003, Extended Abstract, 47-50
- 2000 226. D.Petcu, *Experiments with Parallel Methods for ODEs*, NUMDIFF-9: 9th Seminar on Numerical Solution of Differential and Differential-Algebraic Equations, 4-8 September 2000, Proceedings, 29-30.
227. D. Petcu, *ODE-solving environment with distributed computing facilities*, ICCAM 2000: 9th International Congress on Computational and Applied Mathematics, Leuven, Belgia, 17-21 July, 2000, 78-80.
- 1998 228. D.Petcu, *Application du calcul parallèle aux systèmes des équations différentielles*, 4ème Colloque Franco-Roumain, Metz, 31 August-4 September 1998, 21-23.
- 1997 229. D.Petcu, V.Negru, T.Jebelean, *EPODE, a prototype ExPert system for solving initial value problems of ODEs*, SNADE '97, Praga, 11-17 June 1997, Proceedings, 19-21.

6 Technical reports

- 2012 230. B.A. Caprarescu, E. Kaslik, D. Petcu: Theoretical Analysis and Tuning of Decentralized Probabilistic Auto-Scaling. CoRR abs/1202.2981 (2012)
231. B.A. Caprarescu, E. Kaslik, D. Petcu, Decentralized Probabilistic Auto-Scaling for Heterogeneous Systems. CoRR abs/1203.3885 (2012)
232. N.M. Calcavecchia, B.A. Caprarescu, E. Di Nitto, D.J. Dubois, D. Petcu: DEPAS: A Decentralized Probabilistic Algorithm for Auto-Scaling. CoRR abs/1202.2509 (2012)
- 2008 233. A. Carstea, G. Macariu, M. Frincu, D. Petcu *Secure Orchestration of Symbolic Grid Services*, IeAT Technical Report 08-08
- 2004 234. D.Petcu, Software Issues in Solving Initial Value Problems for Ordinary Differential Equations IeAT Technical Report 04-08
235. D.Petcu, D. Dubu, *An Extension of Maple for Grid and Cluster Computing*, IeAT Technical Report 04-03
236. D.Petcu, *Speedup Involving Differential Equations on Cluster Workstations*, IeAT Technical Report 04-02
- 2003 237. D.Petcu, Building a Computational Grid: Design Issues, IeAT Technical Report 03-09
238. D.Petcu, A. Oprean, Constructing a Grid Portal IeAT Technical Report 03-08
239. D. Zaharie, D.Petcu, Parallel Implementation of multi-population differential evolution, IeAT Technical Report 03-07
240. D.Petcu, D. Dubu, Parallel State Space Construction on a Cluster, IeAT Tech.Report 03-02

7 Books

7.1 Book chapters

- 2014 241. M.E. Frincu, D. Petcu, Resource Management for HPC on the Cloud, In Emmanuel Jeannot, Julius Zilinskas (eds.): High-Performance Computing on Complex Environments ISBN: 978-1-118-71205-4, June 2014, 303-323
- 2013 242. D. Petcu, *Building Automatic Clouds with an Open-source and Deployable Platform-as-a-service*, Advances in Parallel Computing, Volume 23: Cloud Computing and Big Data, eds. Charlie Catlett, Wolfgang Gentzsch, Lucio Grandinetti, Gerhard Joubert, Jos Luis Vazquez-Poletti, 978-1-61499-321-6 (print) — 978-1-61499-322-3 (online) pages 3-19, doi: 10.3233/978-1-61499-322-3-3
243. R. Cossu, C. Di Giulio, F. Brito and D. Petcu, *Cloud Computing for Earth Observation*, in Data Intensive Storage Services for Cloud Environments, ed. Dimosthenis Kyriazis, Athanasios Vouloimos, Spyridon V. Gogouvitis and Theodora Varvarigou, 166-191 (2013), doi:10.4018/978-1-4666-3934-8.ch012
244. D. Petcu, M. Rak, *Open-Source Cloudware Support for the Portability of Applications Using Cloud Infrastructure Services*, In Z. Mahmood (ed.), Cloud Computing: Methods and Practical Approaches, Computer Communications and Networks, DOI 10.1007/978-1-4471-5107-4.15, Springer-Verlag, London, 2013, 323-341
- 2012 245. D. Petcu, *Research Challenges of Cloud Computing*, chapter 6, Calin Enachescu, Florin Gheorghe Filip, Barna Iantovics (Eds.), Advanced computational technologies, Romanian Academy Publishing House, 2012, Bucharest , ISBN 978-973-27-2256-5, 89-98
246. M. Rak, M. Ficco, J. Luna, H. Ghani, N. Suri, S. Panica, D. Petcu *Security Issues in Cloud Federation*, In Achieving Federated and Self-Manageable Cloud Infrastructures: Theory and Practice, eds. Massimo Villari, Ivona Brandic, Francesco Tusa, IGI Global, 2012, pp. 176-194, DOI: 10.4018/978-1-4666-1631-8.ch010, ISBN: 978-1-4666-16318
247. D. Petcu, *Invitation to a Journey in the ERA of Cloud Computing*, in D.Petcu, J.L. Vazquez-Poletti (eds), European Research Activities in Cloud Computing, Cambridge Scholars Publishing, UK, January 2012, 1-18
- 2011 248. K. Wasielewska, M. Ganzha, M. Paprzycki, M. Drozdowicz, D. Petcu, C. Badica, N. Attaoui, I. Lirkov, R. Olejnik, *Negotiations in an Agent-based Grid Resource Brokering System*, in P. Ivnyi, B.H.V. Topping, (Editors), "Trends in Parallel, Distributed, Grid and Cloud Computing for Engineering", Saxe-Coburg Publications, Stirlingshire, UK, Chapter 16, pp 355-374, 2011. Computational Science, Engineering & Technology Series, doi:10.4203/cssets.27.16, ISBN 978-1-874672-53-1 (citations: 1)
249. M. Drozdowicz, K. Wasielewska, M. Ganzha, M. Paprzycki, N. Attaoui, I. Lirkov, R. Olejnik, D. Petcu, C. Badica, *Ontology for Contract Negotiations in an Agent-based Grid Resource Management System*, in P. Ivnyi, B.H.V. Topping, (Editors), "Trends in Parallel, Distributed, Grid and Cloud Computing for Engineering", Saxe-Coburg Publications, Stirlingshire, UK, Chapter 15, pp 335-354, 2011. Computational Science, Engineering & Technology Series, doi:10.4203/cssets.27.15, ISBN 978-1-874672-53-1
250. F. Moscato, R.Aversa, B. Di Martino, D. Petcu, M. Rak, S. Venticinque, *An Ontology for the Cloud in mOSAIC*, in Cloud Computing: Methodology, Systems, and Applications Lizhe Wang, Rajiv Ranjan, Jinjun Chen, Boualem Benatallah, October 2011, CRC Press, ISBN: 978-1439856413, pp. 467-486 (citations: 4)
- 2010 251. D. Petcu, G. Macariu, A. Carstea, M.E. Frincu, *Service-Oriented Symbolic Computing*. Chapter 15 in Handbook of Research on P2P and Grid Systems for Service-Oriented Computing: Models, Methodologies and Applications, Eds. N. Antonopoulos, G. Exarchakos, A. Liotta, M. Li, ISBN: 978-1-61520-686-5 , Information Science Reference, Hershey-New York, January 2010, pp. 1053-1075 (citations: 1)
- 2009 252. D. Petcu, *Challenges of Data Processing for Earth Observation in Distributed Environments*, G.A. Papadopoulos and C. Badica (Eds.): Intelligent Distributed Computing III, Studies in Computational Intelligence SCI 237, ISSN: 1860-949X, Springer, pp. 9-19 (invited talk at IDC 2009 - 3rd International Symposium on Intelligent Distributed Computing). (citations: 1)
253. D. Petcu, D. Zaharie, M. Neagul, S. Panica, M. Frincu, D. Gorgan, T. Stefanut and V. Bacu, *Remote Sensed Image Processing on Grids for Training in Earth Observation*, Chen Yung-Sheng (ed.), Image Processing, ISBN 978-953-307-026-1, In-Teh, Croatia, December 2009, pp. 115 - 140, DOI: 10.5772/7049 (citations: 1, downloads over 10000)
254. D. Petcu, A. Baltat, *Transforming an Interactive Expert Code into a Statefull Service and a Multicore-Enabled System*, in Intelligent Systems and Technologies Methods and Applications, Series: Studies in Computational Intelligence , Vol. 217 Teodorescu, Horia-Nicolai; Watada, Junzo; Jain, Lakhmi C. (Eds.) July, 2009, ISBN: 978-3-642-01884-8, pp. 137-159. (citations: 2)

255. D.Petcu, D.Țepeneu, M.Paprzycki, T.Ida, *Symbolic Computations on Grids*, invited chapter 6 in the book "Engineering the Grid: status and perspective", eds. Beniamino di Martino, Jack Dongarra, Adolfo Hoisie, Laurence Yang, and Hans Zima, American Scientific Publishers, ISBN: 1-58883-038-1, 2006, pp. 91-107
256. D.Petcu, M. Paprzycki, M. Ganzha, *Cluster Computing facilities in a service-oriented architecture*, in a Russian book, 2006.
- 2002 257. D. Petcu, V.Gioncu, *DUCTROT computer program*, in Ductility of Seismic-Resistant Steel Structures, V. Gioncu, F.M. Mazzolani, E & FN Spon, Londra (2002), 673-682, ISBN 049225501 & Demo CD with DuctRot-M
- 2000 258. V.Gioncu, G. Mateescu, D. Petcu, A. Anastasiadis, *Prediction of available ductility by means of local plastic mechanism method: DuctRot computer program*, in Moment resistant connections of steel frames in seismic areas. Design and Reability, ed. F.M. Mazzolanni, E & FN Spon, Londra, 2000, 95-146. (citations: 4)

7.2 Monographs

- 1998 259. D.Petcu, *Parallelism in solving ordinary differential equations*, Mathematical Monographs 64, Tipografia Universității, 1998, 232 pages (citations: 17)
- 1996 260. D.Petcu, *Parallel Numerical Algorithms. Part I: Solving systems of linear, nonlinear or differential equations*, Mathematical Monographs 60, Tipografia Universității din Timișoara, 1996, 148 pages.
261. D.Petcu, *Parallel Numerical Algorithms. Part II: Solving partial differential equations*, Mathematical Monographs 61, Tipografia Universității din Timișoara, 1996, 134 pages.
- 1995 262. D.Petcu, *Multistep Methods for Stiff Initial Value Problems*, Mathematical Monographs 50, Tipografia Universității din Timișoara, 1995, 186 pages.
- 1994 263. D.Petcu, *Parallel computing* (in Romanian), Editura de Vest, Timișoara, 1994, ISBN 973-36-0227-2, 160 pages.

7.3 Book editor

- 2012 264. D.Petcu, J.L. Vázquez-Poletti, *European Research Activities in Cloud Computing*, Cambridge Scholars Publishing, UK, 2012, ISBN (10): 1-4438-3507-2, ISBN (13): 978-1-4438-3507-7 (citations: 2)

7.4 Book introductions

- 2013 265. Dana Petcu, Alex Galis, and Stamatis Karnouskos, *The Future Internet Cloud: Computing, Networking and Mobility*, in Alex Galis, Anastasios Gavras (Volume Eds.) *The Future Internet – Future Internet Assembly 2013: Validated Results and New Horizons LNCS 7858, XXI- XXIII*, 2013

7.5 Proceedings editor

- 2012 266. A. Voronkov, V. Negru, T. Ida, T. Jebelean, D. Petcu, S. Watt, D. Zaharie, 14th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2012, Timisoara, Romania, September 26-29, 2012. IEEE Computer Society 2012, ISBN 978-0-7695-4934-7
267. D. Petcu, E. Troubitsyna (eds.): *ADAPTIVE 2012*, The Fourth International Conference on Adaptive and Self-Adaptive Systems and Applications, ISBN: 978-1-61208-219-6, July 22-27, 2012, Nice, France
- 2011 268. D. Wang, V. Negru, T. Ida, T. Jebelean, D. Petcu, S. M. Watt, D. Zaharie (Eds.): 13th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2011, Timisoara, Romania, September 26-29, 2011. IEEE Computer Society 2011, ISBN 978-1-4673-0207-4
- 2010 269. T. Ida, V. Negru, T. Jebelean, D. Petcu, S. Watt, D. Zaharie, *Proceedings of SYNASC 2010*, 12th Int. Symp. on Symbolic and Numeric Algorithms for Scientific Computing, September 26-29, 2010, Timisoara, IEEE Computer Press, ISBN: 978-0-7695-4324-6
- 2009 270. N. Abdennadher, D. Petcu, *Advances in Grid and Pervasive Computing*, 4th Int. Conf. GPC 2009, Geneva, Switzerland, May 2009, Springer, ISSN 0302-9743, ISBN 978-3-642-01670-7, LNCS 5529, 486 pages
271. S. Watt, V. Negru, T. Ida, T. Jebelean, D. Petcu, D. Zaharie, *Proceedings of SYNASC 2009*, 11th Int. Symp. on Symbolic and Numeric Algorithms for Scientific Computing, September 26-29, 2009, Timisoara, IEEE Computer Press, ISBN 978-0-7695-3964-5
- 2008 272. V. Negru, T. Jebelean, D. Petcu, D. Zaharie, *Proceedings of SYNASC 2008*, 10th Int. Symp. on Symbolic and Numeric Algorithms for Scientific Computing, September 26-29, 2008, Timisoara, IEEE Computer Press, Los Alamitos, ISBN 978-0-7695-3523-4, 600 pages.
- 2007 273. V.Negru, D.Petcu, D.Zaharie, A. Abraham, B. Buchberger, A. Cicortas, D. Gorgan, J. Quinqueton, *Proceedings of SYNASC 2007*, 9th Int. Symp. on Symbolic and Numeric Algorithms for Scientific Computing, September 25-29, 2007, Timisoara, IEEE Computer Press, Los Alamitos, ISBN 0-7695-3078-8, 2007, 500 pages.
- 2006 274. D.Petcu, B.Foliot, D.Grigoras, J.Morrison, M.Paprzycki, Isaac Scherson, B.Toursal, M.Tudruj, *Proceedings of ISPDC 2006*, 5th Int. Symp. on Parallel and Distributed Computing, Timisoara, July 6-9, 2006, IEEE Computer Press, Los Alamitos, ISBN 0-7695-2638-1, 2006, 370 pages
275. V.Negru, D.Petcu, D.Zaharie, A. Abraham, B. Buchberger, A. Cicortas, D. Gorgan, J. Quinqueton, *Proceedings of SYNASC 2006*, 8th Int. Symp. on Symbolic and Numeric Algorithms for Scientific Computing, September 25-29, 2006, Timisoara, IEEE Computer Press, Los Alamitos, ISBN 978-0-7695-2740-6, 2006, 460 pages
- 2005 276. D.Zaharie, D.Petcu, V.Negru, T.Jebelean, G.Ciobanu, A. Cicortas, A. Abraham, M. Paprzycki, *Proceedings of SYNASC 2005*, 7th Int. Symp. on Symbolic and Numeric Algorithms for Scientific Computing, September 25-29, 2005, Timisoara, IEEE Computer Press, Los Alamitos, ISBN 0-7695-2453-2, 2005, 470 pages
277. Abramson, D. , Alexandrov, V. , Ashworth, M. , Buyya, R., Coddington, P. , Deelman, E. , De Roure, D. , Hawick, K., King, C.T., Laforenza, D., Lau, F.C.M., Moore, R., Morrison, J., Ong, H., Paprzycki, M., Parastatidis, S., Petcu, D., Rana, O., Uthayopas, P., Wang, C.-L., Williams, R., Yang, J., Yunck, T., Zhang, L.-J., Katz, D.S., Baker, M., *Proceedings of the International Conference on Parallel Processing Workshops*, 2005

- 2004 278. D.Petcu, V.Negru, D. Zaharie, T. Jebelean, Proceedings of SYNASC 2004, 6th Int. Symp. on Symbolic and Numeric Algorithms for Scientific Computing, September 26-30, 2004, Timisoara, Ed. Mirton, Timisoara, ISBN 973-661-441-7, 600 pages
- 2003 279. D.Petcu, V.Negru, D. Zaharie, T. Jebelean, Proceedings of SYNASC 2003, 5th Int. Symp. on Symbolic and Numeric Algorithms for Scientific Computing, October 1-4, 2003, Timisoara, Ed. Mirton, Timisoara, ISBN 973-661-104-3, 334 pages
- 2002 280. D.Petcu, V.Negru, D. Zaharie, T. Jebelean, Proceedings of SYNASC 2002, 4th Int. Symp. on Symbolic and Numeric Algorithms for Scientific Computing, October 9-12, 2002, Timisoara, Ed. Mirton, Timisoara, ISBN 973-585-785-5, 2002, 400 pages

7.6 Textbooks

- 2006 281. D.Petcu, *Grid architectures and technologies* (in Romanian), Ed. Eubeea, Timișoara, ISBN 973-673-056-7, 2006, 292 pages. (citations: 3)
282. L.Cucu, V.Iordan, V.Negru, D.Petcu, G.Petrov, P.Popovici, D.Zaharie, *Tests for informatics exams* (in Romanian), Ed. Mirton, Timișoara, ISBN 973-661-844-7, 2006, 166 pages.
- 2004 283. D.Petcu, D.Pop, *Modeling three-dimensional world* (in Romanian), Ed. Eubeea, Timișoara, ISBN 973-673-011-5, 2004, 182 pages.
- 2002 284. D.Petcu, V.Negru, *Distributed processing* (in Romanian), Editura Universității de Vest, Seria Alef, 2002, Timișoara, ISBN 973-85552-8-0, 420 pages (citations: 3)
- 2001 285. D.Petcu, *Parallel processing* (in Romanian), Editura Eubeea, 2001, Colecția Informatică, Timișoara, ISBN 973-9479-48-0, 414 pages.
- 2000 286. D.Petcu, *Mathematics assisted by computers* (in Romanian), Colecția Informatică, Editura Eubeea, 2000, Timișoara, ISBN 973-9479-13-8, 310 pages.
- 1999 287. D.Petcu, L.Cucu, *Computer Graphics* (in Romanian), Tipografia Universității Timișoara, 1999, 230 pages.
- 1998 288. O.Dogaru, Gh.Bocșan, I.Despi, A.Ionică, V.Iordan, L.Luca, D.Petcu, P.Popovici, *Informatics for teachers* (in Romanian), Editura de Vest, Timișoara, 1998, ISBN 973-36-0308-2, 357 pages.
- 1997 289. D.Petcu, *Maple, a standard for computer assisted mathematics* (in Romanian), Tipografia Universității Timișoara, 1997, 230 pages.
- 1995 290. O.Dogaru, D.Petcu, Gh.Petrov, *Turbo Pascal. Exercises and problems* (in Romanian), Timișoara, Editura de Vest, 1995, ISBN 973-36-0200-0, 376 pages.
291. D.Petcu, L.Cucu, *Computer graphics principles* (in Romanian), Editura Excelsior, Timișoara, 1995, ISBN 973-9015-51-4, 190 pages.
- 1994 292. D.Petcu, *Parallel algorithms* (in Romanian), Tipografia Universității Timișoara, 1994, 205 pages.

7.7 Book reviews

- 2008 293. D. Petcu, A Comprehensive Development Guide for the Globus Toolkit, IEEE Distributed Systems Online, vol. 9, no. 6, 2008, art. no. 0806-o6003. (citations: 4)
- 2005 294. D. Petcu, Parallel Numerical Applications on Grid Environments, IEEE Distributed Systems Online, vol. 6, no. 4, Apr., 2005

8 Special talks

8.1 Invited talks

- 2012 • D. Petcu, *Benefits and Barriers of Symbolic Computations on Clouds and Grids*, ACA 2012, Sofia, June 2012
- 2011 • D.Petcu *Portability and Interoperability between Clouds: Challenges and Case Study*, ServiceWave 2011, October 2011, Poznan.
- D. Petcu, *Playing with the mOSAIC of Clouds*, Contrail Summer School On Cloud and Grid computing, Hyères-les-Palmiers, France, June 27-July 1, 2011.
- 2009 • D. Petcu, *Challenges of Data Processing for Earth Observation in Distributed Environments*, IDC 2009 - 3rd International Symposium on Intelligent Distributed Computing, Cyprus.
- 2007 • D. Petcu, *Distributed Symbolic Computations*, Invited talk, ISPDC 2007, July 5-8 2007, Hagenberg.
- D. Petcu, *Trends in Grid Computing*, Procs. SACCS 2007, Iasi, 9th Internat. Symposium on Automatic Control and Computer Science, Proceedings, CD version, ISSN 1843-665-X
- D.Petcu, *Mathematics on the net: state-of-the-art and challenges*, 8th French-Romanian Colloquium on Applied Mathematics, 28-31 August 2006, Chambery, France
- 2005 • D.Petcu, *Software issues in solving initial value problems for ordinary differential equations*, ICCAM 2005, Baia Mare .
- 2002 • D. Petcu, *Applications of multiprocessing in solving differential equations*, Simpozion Intinerant, Secțiunea Matematică Aplicată și Informatică, Constanța, 16.01.2002

8.2 Invited keynotes

- 2012 • D. Petcu, *HPC in the Cloud*, CLASS Conference 2012, Bled, Oct 2012
- D. Petcu, *From a Desktop to a Supercomputer, Cluster, Grid, Cloud, InterCloud: Where my Research Code Should Run?*, ComputationWorld 2012, Nisa, July 2012
- D. Petcu, *The Cloudy Sky of Programmable Infrastructures*, HEUNET, Izmir, July 2012
- D. Petcu, *Building European consensus on sustainability*, e-FISCAL workshop, Samos, July 2012
- D. Petcu, *Open-source platform-as-a-service: requirements and implementation challenges*, High Performance Computing, Grids and Clouds, Cetraro, June 2012

- 2011 • D. Petcu, *How is built a mOSAIC of Clouds*, International Research Workshop on Advanced High Performance Computing Systems Cetraro, Italy, June 27 - 29, 2011
- 2010 • D.Petcu, *From Grid Computing towards Sky Computing. Case study for Earth Observation*, CGW 2010 - Cracow Grid Workshop, October 11-13, 2010, Cracow
- 2009 • D. Petcu, *Grid-based Services for High Education in Earth Observation*, 4th GRID & e-Collaboration Workshop, 25-26 Feb. 2009, Frascati
- D.Petcu, *e-Science and Grids*, EWM 2009, NoviSad, August 2009
- 2008 • D. Petcu, *Recent experiences in Grid-enabling legacy software codes*, presentation at Alice workshop, Sibiu, 2008.
- D. Petcu, S. Panica, *Using Desktop Grids for Evolutionary Multi-objective Optimization*, DAPSYS 2008, Debrecen.
- 2001 • D. Petcu, *ODE solving environment with distributed computing facilities*, Advanced Environments and Tools for High Performance Computing: EuroConference on Problem Solving Environments for Numerical Mathematics, Science and Engineering Applications, Castelvechio Pascoli, 16-21.07.2001.
- 1996 • D.Petcu, *Parallel Calculus for Solving Differential Equations*, PARADIS 96, International Summer School on parallel and distributed systems, Vatra Dornei, 26-30.08.1996, 1-19.

8.3 Invited project presentations

- 2013 • D. Petcu, *Modelling Quality of Service for the Cloud*, Engineering the Cloud, ICT 2013, Vilnius, November 2013.
- D. Petcu, *Towards Application Level Interoperability in Multi-Clouds*, Cloud Standards and Interoperability Workshop, CloudPlugFest 2013, Madrid, September 2013.
- D. Petcu, *HOST & ICAM. Case study of synergies between FP7-RegPOT and Structural Funds*, A Research Potential capitalization exercise: Thematic workshop on capacity building Stairway to excellence, Brussels, June 2013.
- 2012 • D. Petcu, *Open-source platform-as-a-service*, 2nd Working Meeting of IFIP WG on Services-oriented Systems, Bologna, September 2012
- D. Petcu, *Storage and Software Components Management in Multiple Clouds using mOSAIC*, e-Challenges 2012, Lisbon, October 2012
- D. Petcu, *mOSAIC- facts, objectives and current results*, CLASS conference, Bled, October 2012
- D. Petcu, *How to build a reliable mOSAIC of multiple Cloud services*, EWDC 2012, Sibiu, May 2012

8.4 Invited lectures

- 2013 • D. Petcu, *The challenges of Multi-Clouds*, seminar at University of Pavia, December 19, 2013, (<http://peg.unipv.it/Reti/slides/Seminar-Petcu.pdf>)
- D. Petcu, *Cloud Computing challenges from a developer to a provider point of view*, seminar at University Carlos III Madrid, January 29-30 2013.
- 2005 • D.Petcu, *Extending Computer Algebra Systems to the Grids: State-of-the-art, Design and Implementation*, 28.01.2005, Seconda Universita di Napoli, Italy
- 1997 • D.Petcu, V.Negru, *EPODE, front-end user interface for solving ODEs – implementation of some parallel algorithms*, PARADIS 97, Advanced Informatics Summer School, Parallel and Distributed Computer Systems, 21-25.07.1997, Mangalia (invited lecture), 1-10.

8.5 Invited tutorials

- 2013 • D. Petcu, *Cloud Management Software for Multi-Clouds*, Cloud computing SummerSchool, "Paving the way to the Cloud", Almere, July 2013.
- 2012 • D. Petcu, *How to Port an Application Between Clouds?*, ADAPTIVE 2012 (Tutorial), Nice, July 2012
- 2003 • D.Petcu, *Experiments with ODE and CFD Codes on Clusters*, Dagstuhl Seminar nr. 03211, May 18-23 2003, published in IJPDEC in 2005, no. 3/4.
- 1997 • D.Petcu, V.Gioncu, *DUCTROT '97, Ductility of rotation – Rotation Capacity of Steel Beams and Beam Columns*, Roma, Napoli, Salerno si Lecce (tutorials), 16.10.97-30.10.1997, TEMPUS JEP 11297.

8.6 Invitations to expert panels

- 2013 • D.Petcu, *Multiple Clouds and multiple interest communities: challenges in developing open-source software in Cloud-related collaborative projects*, Community Summit: Open Source Communities as Collaborative Innovation Platforms, Opportunities and Challenges, Open World Forum 2013, Paris, Oct 2013.
- 2012 • D. Petcu, *Perspective on Fog computing*, FOG Panel, CLASS Conference, Bled, Oct 2012
- D. Petcu, *Where my application should run? HPC, Grids or Clouds?*, e-Fiscal workshop, Panel: e-Infrastructure for research and science: owned, leased or hybrid approaches? July 2012, Samos
- D. Petcu, *e-IRG and mOSAIC position*, CloudScape IV, Panel: Trust, Legal & Security Issues in Cloud Computing, Feb 2012, Brussels
- 2008 • D. Petcu, *HPC in Romania*, PARA 2008, Panel 2: Future Trends in Parallel & Scientific Computing, May 2008, Trondheim
- 2006 • D.Petcu, *QoS in Grid environments*, ICCGI Panel: Integrated Network and Application QoS for GRID Applications, July 30, 2006, Bucharest

9 Contributions to research policy documents

- 2012 • e-IRG Task Force on Cloud Computing, *Cloud Computing for research and science: a holistic overview, policy, and recommendations*, 30 Oct 2012, available at http://www.e-irg.eu/images/stories/dissemination/e-irg_cloud_computing_paper_v.final.pdf
- Cloud Computing Expert Group Report, *Advances in Clouds. Research in Future Cloud Computing*, 2012, May 2012, available at <http://cordis.europa.eu/fp7/ict/ssai/docs/future-cc-2may-finalreport-experts.pdf>

- Cloud Expert Group Recommendations, A Roadmap for Advanced Cloud Technologies under H2020, December 2012, available at: <http://cordis.europa.eu/fp7/ict/ssai/docs/cloud-expert-group/roadmap-dec2012-vfinal.pdf>

10 Research grants

10.1 International research grants

10.1.1 Project coordinator

- 2012 • FP7 HOST: High Performance Computing Service Center, 2012-2014, European Commission FP7-REGPOT, <http://host.hpc.uvt.ro>
- 2010 • FP7 SPRERS: Strengthening the Participation of Romania at European R&D in Software Services, 2010-2011, European Commission FP7-ICT, www.sprers.eu

10.1.2 Scientific coordinator

- 2010 • FP7 mOSAIC: Open-source API and Platform for multiple Clouds, 2010-2013, European Commission FP7-ICT, www.mosaic-cloud.eu

10.1.3 Coordinator of bilateral projects

- 2009 • SciCom: Scientific Computing Platform. Collaboration Romania-Austria, 2009-2010
- 2008 • AEMTIA: Automated Exploration of Mathematical Theories for Industrial Applications, Institute e-Austria Timișoara & RISC Linz, 2008-2011
- 2006 • COBURDIS: Collaboration Romania-Ukraine in Distributed Computing, 2006-2007
- 2002 • Automated verification of software and hardware components, IeAT & RISC Linz, 2002-2005
- 1996 • Entwicklung paralleler Algorithmen für die Lösung steifer Differentialgleichungen, June 1996, University Ruprecht-Karls Heidelberg

10.1.4 Local team coordinator in collaborative projects

- 2013 • FP7 SPECS, 2013-2016, www.specs-project.eu
- FP7 SCAPE, 2013-2014, www.scape-project.eu
- 2012 • FP7 MODAClouds, 2012-2015, www.modaclouds.eu
- CIP SEED, 2012-2014, www.seed-project.eu
- 2010 • FP7 HP-SEE, 2010-2013, www.hp-see.eu
- 2008 • FP7 DEHEMS 2008-2011, www.dehems.eu
- FP7 SEE-GRID-SCI, 2008-2010
- 2006 • FP6 SCIEnce, 2006-2011

10.1.5 Member

- 2010 • FP7 EGI-Inspire, 2010-2014
- 2008 • FP7 EGEE-3, 2008-2010
- 2007 • FP6 SEE-GRID-2, 2007-2008
- FP6 EGEE-2, 2007-2008
- 2005 • FP6 VISP 2005-2008, <http://www.visp-project.org>,
- FP6-ERG5 SystemeMaThEx 2005-2007

10.2 International funds, national execution

10.2.1 Project coordinator

- 2009 • InfraGrid: Service-oriented Grid Infrastructure, EC Structural Funds, 2009-2011
- 2008 • ESA GISHEO: On-demand Grid services for training and high education in Earth Observation, 2008-2010, European Space Agency – PECS Programme, <http://gisheo.info.uvt.ro>

10.2.2 Member

- 2010 • ICAM: Advanced research institute in environmental problems, EC Structural Funds, 2010 - 2013

10.3 National research grants

10.3.1 Project coordinator

- 2012 • AMICAS: Automated Management in Cloud, 2012-2014, <http://amicas.hpc.uvt.ro>
- 2006 • GRAI: Grid computing and Artificial Intelligence, 2006-2008
- 2005 • ProWest: Promotion of the research activities in computer science in West Romania, 2005-2007
- P-systems: Models and implementations for simulating P systems, 2005-2006
- 2004 • CompGrid: high performance computing on wide area networks, 2004-2006
- 2002 • High performance computing technologies based on grid and cluster architectures, 2002-2003
- 1998 • Parallel and distributed processing in graphics, image processing and computational geometry, 1998-1999.

10.3.2 Local team coordinator in collaborative projects

- 2005 • MedioGrid: Parallel and distributed image processing on grid architecture of geographical and environment data, 2005-2008.
- GridMOSI: Virtual organization based on Grid technology for high performance modelling, simulation, and optimization, 2005-2008.
- NanoSim: Transport phenomena and structure formation at the micro/nanometer scale in biomedicine and materials science, 2005-2008
- ForMol: Computational formalism inspired by Molecular Biology, 2005-2008

10.3.3 Member

- 2008 • ASISTSYS: Integrated System of Assistance for Patients with Severe Neuromotor Affections, 2008-2011
- SCIPA: Semantic software services for collaboration and inter-operability for adaptive business processes, 2008-2011
- 2007 • SIPADOC: Integrated system for the digitization and capitalization of the document's cultural patrimony, 2007-2010
- PEGAF: Grid-based experimental platform for developing applications based on workflows and with dynamic allocation of resources, 2007-2010
- 2006 • SIAPOM: Integrated System for Analysis and Multidisciplinary Design Optimisation, 2006-2008
- 2005 • SINRED: National management system for digital resources in science and technologies based on Grid architectures, Oct 2005- Sept 2008
- MindSoft: Multi-agent models and soft computing in knowledge engineering, 2005-2007.
- 2001 • Distributed environments for solving scientific problems, 2001-2003.
- Distributed models for solving complex problems, 2001-2002.
- 2000 • Center for advanced technologies in computer science, 2000-2001.
- 1998 • Intelligent interfaces for nonlinear problems, 1998-2000.
- 1997 • Pilot center for teaching informatics, 1997-2002
- Computational geometry in movement planning, 1997.
- Computer program for the strength to the seismic loads, 1997.
- 1996 • Biographic methods for the study of nonlinear and unelastic behaviour of steel structures under seismic actions, 1996
- 1995 • Intelligent environments for scientific computing, 1995-2002
- Computing methods for seismic actions on steel structures, 1995.
- 1993 • Coupling symbolic and numeric calculus, 1993-1994.

11 Editorial activity

11.1 Chief Editor

- 2009 • Scalable Computing: Practice and Experience (SCPE, from 2009)

11.2 Editorial board

- 2013 • Journal of Cloud Computing Research (from 2013)
- Soft Computing and Networking (from 2013)
- 2008 • International Scientific Journal of Computing (from 2008)
- 2006 • Multiagent and Grid Systems (MAGS, from 2006)
- Journal on Computer Science and Information Systems (IJCSIS, from 2006),
- International Review on Computers and Software (IRECOS, from 2006),
- International Journal of Computers, Communications & Control (IJCCC, from 2006)
- 2005 • International Journal of Computer Science and Applications (IJCSA, from 2005)
- Scalable Computing: Practice and Experience (SCPE, from 2005),

11.3 Journal reviewer

- 2013 • World Wide Web: Internet and Web Information Systems (from 2013)
- Informatica (from Vilnius, 2013)
- 2012 • Scientific Research and Essays (from 2012)
- IEEE Transactions on Dependable and Secure Computing (from 2012)
- Computer Science and Information Sciences (from 2012)
- Transactions on Parallel and Distributed Systems (from 2012)
- Journal of Network and Computer Applications (from 2012)
- IEEE Computer (from 2012)
- 2011 • Journal of Grid Computing, Springer (from 2011)
- 2010 • Computer Standards & Interfaces, Elsevier (CSI, from 2010)
- Journal of Supercomputing (from 2010)
- 2008 • Information Sciences, Elsevier (INS, from 2008)
- 2007 • Engineering Applications of Computational Fluid Mechanics, (JEACFM, from 2007)
- International Journal of Grid and Utility Computing (IJGUC, from 2007)
- Bulletin of the Belgian Mathematical Society (from 2007)
- International Journal of Computational Science and Engineering, InderScience Publishers (from 2007)
- ISAST Transactions on Scientific Computing (from 2007)
- 2006 • Mathematical Reviews (MR, from 2006 until 2012),

- International Journal of Computer Mathematics, Taylor & Francis (from 2006)
- 2005 • Computing Reviews (CR, from 2005 until 2013),
- Journal of Systemics, Cybernetics and Informatics (JSCI, from 2005),
- Parallel Computing, Elsevier (PARCO, from 2005)
- Future Generation Computer Systems, Elsevier, (FGCS, from 2005),
- 1998 • Annals of West University of Timișoara, Mathematical-Computer Science Series (from 1998)
- 1993 • Zentralblatt für Mathematik (ZBL, from 1993)

11.4 Editorials

- 2013 • Vlado Stankovski, Dana Petcu: Editors's Introduction to the Special Issue on "Grid, Cloud and Sky Applications for Knowledge-based Industries and Businesses". *Informatica (Slovenia)* 37(2): 113 (2013)
- 2012 • J.L. Vasquez-Poletti, D. Petcu, F. Lelli, *Introduction to the Special Issue - Selected papers from the International Workshop on Clouds for Business and Business for Clouds*, Scalable Computing: Practice and Experiences, Vol. 13, no. 3, Sept 2012, <https://www.scpe.org/index.php/scpe/article/view/791>
- D. Petcu, D. Zaharie, *Agent based systems & semantic software services*, Scalable Computing: Practice and Experiences, Vol. 13, no. 1, March 2012, <https://www.scpe.org/index.php/scpe/article/view/762>
- 2011 • D. Petcu, J.L. Vasquez-Poletti, *Introduction to the Special Issue - Selected Papers from the 2nd Workshop on Software Services*, Scalable Computing: Practice and Experiences, Vol. 12, no. 3 & 4, Sept & Dec 2011, <https://www.scpe.org/index.php/scpe/article/view/96> and <https://www.scpe.org/index.php/scpe/issue/view/98>
- D. Petcu, M. Paprzycki, *Introduction to the Special Issue - New Directions in Cloud and Grid Computing*, Scalable Computing: Practice and Experiences, Vol. 12, no. 2, June 2011, <https://www.scpe.org/index.php/scpe/article/view/95>
- D. Petcu, A. Galis, *Introduction to the Special Issue - Selected Papers from the 1st Workshop on Software Services*, Scalable Computing: Practice and Experiences, Vol. 12, no. 1, March 2011, <https://www.scpe.org/index.php/scpe/article/view/93>
- 2010 • D. Petcu, E. Deelman, N. Meyer, M. Paprzycki *Introduction to the Special Issue - Grid and Cloud Computing and their Application*, Scalable Computing: Practice and Experiences, Vol. 11, no. 2, June 2010, <https://www.scpe.org/index.php/scpe/article/view/643>
- 2008 • D. Petcu, P. Stpiczynski, *Editorial to Special Section on Multi-Agent Systems and Large-Scale Distributed Systems*, International Transactions on Systems Science and Applications (ITSSA), Vol. 3, No. 4, 2008, p. 289, ISSN 1751-1461
- 2007 • D. Petcu, *Practical Aspects of Large-Scale Distributed Computing*, Scalable Computing: Practice and Experience (SCPE), Vol. 8, No. 3, 2007 (electronic version, ISSN 1097-2803, <http://www.scpe.org/?a=volume&v=31>)
- D. Petcu, *Challenges concerning symbolic computations on grids*, Scalable Computing: Practice and Experience (SCPE), Vol. 6, No. 3, 2005 (electronic version, ISSN 1895-1767, <http://www.scpe.org/?a=volume&v=23>)

12 Conference organization

12.1 Member in steering committees of conference series

- 2006 • ISPDC (from 2006)
- 2003 • SYNASC (from 2003)

12.2 Event organizer or co-organizer/ local chair/ programme chair

- 2014 • MultiCloud/CLOSER (SP), MICAS 2014 (RO), HPCSP 2014 (RO), C4Bio 2014 (US), SCoDiS-LaSCoG (PL), Software Arch Track/FiCloud 2014 (SP)
- 2013 • MoCSOP 2013 (SP), MICAS 2013 (RO), HPCSP 2013 (RO), SYNASC 2013 (RO)
- 2012 • WoSS-4 (SL), C4BB4C 2012 (SP), EIDWT-2012 (RO), CeBPM 2012 (CY), MICAS (RO), WoHS (RO), SYNASC (RO)
- 2011 • CCPI (FR), WoSS-2 (RO) -3 (PL), IDAACS 2011 (CZ), SCoDiS-LaSCoG (PL), SYNASC (RO)
- 2010 • CCPI (IT), WoSS-1 (RO), SCoDiS-LaSCoG (PL), SYNASC (RO)
- 2009 • GPC 2009 (CH), LaSCoG (PL), SYNASC (RO)
- 2008 • LaSCoG (PL), GridTDT 08-1, 08-2 (RO), SYNASC (RO)
- 2007 • LaSCoG (PL), SYNASC (RO)
- 2006 • ISPDC 2006 (RO), GridTDT 06 (RO), LaSCoG (PL), SYNASC (RO)
- 2005 • VISSAS 2005 (RO), LaSCoG (PL), SYNASC (RO)
- 2004 • SGC 2004 (RO), LaSCoG (PL), CaVIS (RO), SYNASC (RO)
- 2003 • LaSCoG (PL), CaVIS (RO), SYNASC (RO)
- 2002 • SYNASC (RO)

12.3 Panel organizer

- 2012 • Session 2.3 Interoperability between Clouds /FIA-Aalborg (DK), May 2012
- Interoperability in Cloud Federation / IoS 2012 (BE), Oct 2012

12.4 Member in Conference Program Committees

- 2014 • ICDCIT'14 (IN), CLOSER'14 (SP), HCW'14 (US), ENASE'14 (ES), ModelsWard'14 (PT), IEEE MobileCloud'14 (UK), CCGrid'14 & C4BIO & C4BIE (US), SOSE'14 (UK), IDC'14 (SP), MobiWIS'14 (SP), SERVICE'14 (IT), INTELLI'14 (IT), ISPA'14 (IT), CCIT-14 (KO), CIST14 (MO), BIS'14 (CY), ABDIS'14 (MK), KSEM'14 (RO), SAI'14 (UK), LISS'14 (US), INCoS-2014 (IT), IEEE Cloudnet'14 (LU), CCA 2014 (IN), CMS'14/DEXA'14 (DE), ICA3PP'14 (CN), MobiWIS'14 (SP), HPCS'14 (IT), ISPA'14 (IT)

2013

- MobileCloud'13 (US), CCGrid'13 (NL), SOSE'13 (US), CLOSER'13 (DE), HCW'13 (IR), ICEIS'13 (FR), ENASE'13 (FR), GPC'13 (KO), RoEduNet'13 (RO), IDC'13 (CZ), ABDIS'13 (IT), ICCGI'13 (FR), PPAM'13 (PL), CSCS19 (RO), PaCT-2013 (RU), CyPhySyA-2013 (DE), BCI'13 (GR), SAI'13 (UK), INTELLI'13 (IT), IDAACS'13 (DE), Applied Computing'13 (US), MESOCA'13 (NL), SERVICE COMPUTATION'13 (SP), ICCP'13 (FR), ADMNET'13 (JP), CGC'13 (DE), HPCS'13 (FI), ICCP'13 (FR), ISPA'13 (AU), HeteroPar'13 (DE), BigData'13 (US), CMS/DEXA (CZ), ISPDC'13 (RO), 3PGCIC-2013 (FR), FedICI & DIHC /EuroPar'13 (DE), LISS'13 (CN), NordiCloud'13 (FI), CompSysTech'13 (BG), CLOUSO'13 (SP), RoEduNet'13 (RO), DISCCO'13 (PT), CSE'13 (AU), CIT'13 (AU), AIIT'13 (RS), ICA3PP'12 (IT), CloudCom-Asia (CHI)
- 2012 • AINA'12 (JP), BCI'12 (SB), ICCGI'12 (IT), HCW'12 (CHI), ENASE'12 (POL), ICEIS'12 (PT), ABDIS'12 (PL), BalticDB&IS'12 (LT), CLOSER'12 (PT), CISIS'12 (IT), EWDC'12 (RO), INTELLI'12 (FR), IDC'12 (IT), ISPDC'12 (DE), ePaMuS'12 (IT), CloudCP (SW), GPC'12 (CHI), HAC'12 (SP), CMS'12 (IT), SWISM'12 (IT), CIST'12 (MA), BIC-TA'12 (MAL), MESOCA'12 (IT), ICCGI'12 (IT), 3-PGCIC-2012 (CA), ICA3PP'12 (JP), LISS'12 (CN), HPCS'12 (SP), MILES'12 (RO), ECSA'12 -Doct.Symposium & NordiCloud (FI), SeDiS'12 (RO), CompSysTech'12 (BG), CSE'12 (CY), RO-LCG'12 (RO), APPL-COMP'12 (SP), HeteroPar'12 (GR), IoTCloud'12/CloudCom (CHI), HiperGrid'12 (RO), A4C'12 (IT), IDCS'12 (CHI)
- 2011 • AINA'11 (SG), ICAART'11 (IT), ICDCIT'11 (IN), ICEIS'11 (CHI), CICIS'11 (KO), HCW'11 (US), GPC'11 (FI), LISS'11 (CH), IDC'11 (NL), IDAACS'11 (CZ), ICCGI'11 (LU), CIT'11 (CY), ISPDC'11 (RO), PPAM'11 (PL), 3PGCIC-2011 (SP), PaCT'11 (RU), NBIS (AL), HPAGC-2011 (IN), WICT-2011 (IN), EVACCS 2011 (CHI), HPGC 2011 (KO), ICA3PP'11 (AUS), ServiceWave/Cloud (PL), CANA 2011 (PL), SCOPIN (AL), CompSysTech (A), RoEduNet (RO), MedDecSup (RO), HeteroPar'11 (FR), WICT'11 (IN), SOCASE'11 (PL), TARDIS'11 (AU), CODS'11 (DE), SocPros'11 (IN), IOCIT'11 (MAL), Cloud4SOA workshop/CloudCom2011 (GR)
- 2010 • GPC'10 (TW), ADiS'10 (PL), ICAART'10 (SP), HCW'10 (US), ICCGI'10 (SP), SWISM'10 (PL), IDC'10 (MOR), ICEIS'10 (POR), ICA3PP'10 (KO), HPCS'10 (FR), FC'10 (TW), ICAAdET'10 (RO), CODS'10 (CHI), 3PGCIC-2010 (JP), PARCA'10 (RU), ISPDC'10 (TR), ICC'10 (RO), SOCASE'10 (CAN), CANA'10 (POL), CIT-10 (UK), ECSA'10 -Doct.Symposium (DK), eGov Summit (BG), EDGeS (NL), ICC-Conti'10 (RO), Cluster'10(GR), ICCP'10 (RO), MiDiS'10 (JP), HeteroPar'10 (IT), AG'10 (US), INCoS'10 (GR), SOCMAS'10 (US), SEE'10 (USA)
- 2009 • ICAART'09 (PO), HCW'09 (IT), GPC'09 (SW), ICCGI'09 (FR), CODS'09 (DE), ICEIS'09 (IT), ICETE'09 (IT), PPAM'09 (POL), ISPDC'09 (POR), IDAACS'09 (IT), HeteroPar'09 (NL), BCI'09 (BUL), PaCT'09 (RUS), EMES'09 (RO), HiperGrid'09 (RO), CSCS17 (RO), HSSS'09 (GR), BCI'09 (GR), HPCS'09 (DE), GADA'09 (PO), KEPT'09 (RO), ICE-B (IT), SACI'09 (RO), CSE'09 (CA), DAIT'09 (UK), ICCP'09 (RO), AG'09 (USA)
- 2008 • ANSS'08 (CAN), ICC'08 (RO), CIC'08 (USA), SIWN'08 (UK), ICEIS'08 (SP), CSE'08 (BR), IDC'08 (IT), HeteroPar'08 (JAP), ISPDC'08 (POL), HPCS'08 (CYP), GADA'08 (MEX), CANA'08 (POL), CODS'08 (UK), CONTI'08 (RO), ICD-CIT'08 (IN), ICCP'08 (RO), KGCM'08 (USA), NCUS'08 (CHI), HyperGrid'08 (RO), ICVL'08 (RO), NCUS'08 (CN)
- 2007 • ANSS'07 (USA), ICEIS'07 (SP), ICCGI'07 (FR), PPAM'07 (POL), PACT'07 (RU), SMO'07 (EG), ICTIS'07 (MO), HPCS'07 (CZ), HeteroPar'07 (USA), IDAACS'07 (DE), GADA'07 (SP), SACCS'07 (RO), IDC'07 (RO), CIC'07 (USA), SCG'07 (CAN), CANA'07 (POL), EUC'07 (TW), ICPADS'07 (TW),
- 2006 • ICPADS'06 (USA), ICC'06 (RO), ICEIS'06 (CY), ICCGI'06 (RO), HETEROPAR'06 (SP), CIC'06 (USA), ADVIS'06 (TK), HPCS'06 (DE), WSGA'06 (USA), ICCP'06 (RO), ISPDC'06 (RO), ICVL'06 (RO), NCUS-06 (KO), HiPC-06 (IND), KICSS'06 (THAI), CONTI'06 (RO), CCCT'06 (USA), LASCOCG'06 (POL), FIMCSIT06 (POL),
- 2005 • IADIS'05 (SPA), ICTIS'05 (MOR), WAGSSDA'05 (NOR), CCCT'05 (USA), CIC'05 (USA), ISPDC'05 (F), ESM'05 (LAT), ABC'05 (USA), PPAM'05 (POL), LASCOCG'05 (POL) SYNASC'05 (RO), PARNUM'05 (SLO), ICCOMP'05 (GR), HPC&S'05 (LAT), NCUS'05 (JAP), SOFA'05 (HU), CNIV'05 (RO),
- 2004 • ADVIS'04 (TUR), ISPDC'04 (IRL), SCI'04 (USA), CCCT'04 (USA), CONTI'04 (RO), ICC'04 (RO), SYNASC'04 (RO), CNIV'04 (RO),
- 2003 • ISPDC'03 (SLO), SCI'03 (USA), PPAM'03 (POL), SYNASC'03 (RO), CNIV'03 (RO),
- 2002 • SYNASC'02 (RO),
- 2001 • SYNASC'01 (RO),

13 Citations

- 2014
1. Mehdi Shokouhian, Yongjiu Shi, Classification of I-section flexural members based on member ductility, *Journal of Constructional Steel Research*, Volume 95, April 2014, Pages 198-210, ISSN 0143-974X, <http://dx.doi.org/10.1016/j.jcsr.2013.12.004>, citation of (6)
 2. Ipek Gursel Dino, Rudi Stouffs, Evaluation of reference modeling for building performance assessment, *Automation in Construction*, Volume 40, 15 April 2014, Pages 44-59, ISSN 0926-5805, <http://dx.doi.org/10.1016/j.autcon.2013.12.007>, citation of (145)
 3. H. Atsatriyan, A. Hayrapetyan, W. Narsisian, V. Sahakyan, Yu. Shoukourian, A. Stanciu and G. Neagu, Environmental Science Federated Cloud Platform in the BSEC Region, *International Journal of Scientific & Engineering Research*, Volume 5, Issue 1, January 2014, ISSN 2229-5518, 2014, 1130-1133, citation of (40)
 4. Christian Inzinger, Stefan Nastic, Sanjin Sehic, Michael Vgler, Fei Li, and Schahram Dustdar, MADCAT: A Methodology for Architecture and Deployment of Cloud Application Topologies, *SOSE 2014*, citation of (89, 102)
 5. Vahid Dastjerdi, a.; Buyya, R., "Compatibility-aware Cloud Service Composition Under Fuzzy Preferences of Users," *Cloud Computing, IEEE Transactions on*, vol.PP, no.99, pp.1,1,1 doi: 10.1109/TCC.2014.2300855, citation of (89)
 6. Rohit Bhadauria, Rajdeep Borgohain, Abiral Biswas, Sugata Sanyal, Secure authentication of Cloud data mining API, *Acta Tehnica Corviniensis - Bulletin of Engineering*, Tome VII (2014), ISSN 2067-3809, 183-191, citation of (140)
 7. Vincent C. Emeakaroha, Philip Healy, Kaniz Fatema and John P. Morrison, Analysis of Data Interchange Formats for Interoperable and Efficient Data Communication in Clouds, 2013 IEEE/ACM 6th International Conference on Utility and Cloud Computing, DOI 10.1109/UCC.2013.79, 393-398, citation of (87)
 8. Tagawa, Kiyoharu, Concurrent Implementation Techniques Using Differential Evolution for Multi-Core CPUs: A Comparative Study Using Statistical Tests, doi: 10.1007/978-3-642-37577-4_17, *Evolution, Complexity and Artificial Life*, 2014, Springer, pp 261-280, citation of (194)
 9. D.G. Perez, J.A.L. del Castilla, Y. Al-Hazmi, J. Martrat, K. Kavoussanakis, A.C. Hume, C.V. Lopez, G. Landi, T. Wauters, M. Gienger and D. Margery. Cloud and Network Facilities Federation in BonFIRE. The first international FedICT'2013 workshop: Federative and interoperable cloud infrastructures. Euro-Par, Aachen, Germany, Springer LNCS, to appear citation of (87).
 10. Di Martino, Beniamino and Venticinque, Salvatore and Kyriazis, Dimosthenis and Gogouvitis, Spyridon V. A Comparison of Two Different Approaches to Cloud Monitoring. In *Inter-cooperative Collective Intelligence: Techniques and Applications*, Series: Studies in Computational Intelligence, vol. 495, Xhafa, Fatos and Bessis, Nik (eds.), doi: 10.1007/978-3-642-35016-0_3 Springer, 2014, 69-91, citation of (107,138)
 11. Ficco, Massimo; Tasquier, Luca; Di Martino, Beniamino. Interconnection of Federated Clouds, *Intelligent Distributed Computing VII*, volume 511, Series Studies in Computational Intelligence, eds. Zavoral, Filip, Jung, Jason J., Badica, Costin, doi: 10.1007/978-3-319-01571-2_29, 243-248, 2014, citation of (102)
 12. Munteanu, Victor Ion and Forti, Teodor-Florin and Copie, Adrian, Supporting Cloud Governance through Technologies and Standards, *Intelligent Distributed Computing VII*, volume 511, Series Studies in Computational Intelligence, eds. Zavoral, Filip, Jung, Jason J., Badica, Costin, doi: 10.1007/978-3-319-01571-2_32, 271-280, 2014, citation of (90,139)
 13. Amato, Flora and Mazzeo, Antonino and Moscato, Vincenzo and Picariello, Antonio, Exploiting Cloud Technologies and Context Information for Recommending Touristic Paths, *Springer International Publishing, Intelligent Distributed Computing VII*, volume 511, Series Studies in Computational Intelligence, eds. Zavoral, Filip, Jung, Jason J., Badica, Costin, doi: 10.1007/978-3-319-01571-2_33, 281-287, 2014, citation of (250)
 14. Binz, Tobias; Breitenbücher, Uwe; Kopp, Oliver; Leymann, Frank, TOSCA: Portable Automated Deployment and Management of Cloud Applications 527-549, 2014, in *Advanced Web Services*, Bouguettaya, Athman; Sheng, Quan Z.; Daniel, Florian; doi: 10.1007/978-1-4614-7535-4_22, Springer, citation of (1,140)
 15. Hani, AhmadFadzilM., Papatungan, IrvingVitra, Fadzil Hassan, M., Service Level Agreement Renegotiation Framework for Trusted Cloud-Based System, In *Future Information Technology, Lecture Notes in Electrical Engineering 276*, eds. Park James J. (Jong Hyuk), Stojmenovic Ivan, Choi Min, Xhafa, Fatos, doi: 10.1007/978-3-642-40861-8_9 Springer, 55-61, citation of (90)
- 2013
16. Javier Miranda, Joaquin Guilln, Juan Manuel Murillo, Carlos Canal, Development of Adaptive Multi-Cloud Applications A Model-Driven Approach In proceeding of: 1st International Conference on Model-Driven Engineering and Software Development: MODELWARD 2013 citation of (1)
 17. Eman Hossny, Sherif Khattab, Fatma Omara, Hesham Hassan, A Case Study for Deploying Applications on Heterogeneous PaaS Platforms, in proceeding of: 2013 International Conference on Cloud Computing and Big Data (CloudCom-Asia), (103)
 18. Alexandre Beslic, Reda Bendraou, Julien Sopena, Jean-Yves Rigolet, Towards a solution avoiding Vendor Lock-in to enable Migration Between Cloud Platforms, 2nd International Workshop on Model-Driven Engineering for High Performance and Cloud computing (MDH-PCL'13), 2013, 5-14, citation of (1), (87), (102)
 19. Ziemian, R.D. Design by inelastic analysis - 2010 AISC specification, (2013) *Research and Applications in Structural Engineering, Mechanics and Computation*, Proceedings of the 5th International Conference on Structural Engineering, Mechanics and Computation, SEMC 2013, pp. 1237-1242, citation of (6)
 20. Philip Healy, Stefan Meyer, John Morrison, Theo Lynn, Ashkan Paya, Dan C. Marinescu, Bid-Centric Cloud Service Provisioning, arXiv: 1312.4853v1 [cs.DC] 17 Dec 2013, citation of (102)
 21. Anup H. Gade, A Survey paper on Cloud Computing and its effective utilization with Virtualization , *International Journal of Scientific & Engineering Research*, Volume 4, Issue 12, December-2013, 357-363, ISSN 2229-5518, citation of (90)
 22. Tom Desair, Wouter Joosen, Bert Lagaisse, Ansar Rafique, and Stefan Walraven. 2013. Policy-driven middleware for heterogeneous, hybrid cloud platforms. In *Proceedings of the 12th International Workshop on Adaptive and Reflective Middleware (ARM '13)*. ACM, New York, NY, USA, , Article 2 , 6 pages. DOI=10.1145/2541583.2541585 <http://doi.acm.org/10.1145/2541583.2541585> citation of (1)
 23. Alba Amato, Salvatore Venticinque, Multi-objective Decision Support for Brokering of Cloud SLA, 2013 27th International Conference on Advanced Information Networking and Applications Workshops (WAINA), 1241-1246, citation of (89)
 24. Nogueira da Silva, E.A.; Gomes da Silva, V.; Lucredio, D.; Pontin de Mattos Fortes, R., Towards a model-driven approach for promoting cloud PaaS portability, 2013 XXXIX Latin American Computing Conference (CLEI), pp.1-9, 7-11 Oct. 2013 doi: 10.1109/CLEI.2013.6670667, citation of (1)
 25. Elias Adriano Nogueira da Silva, Renata P. M. Fortes, and Daniel Lucrdio. 2013. A model-driven approach for promoting cloud PaaS portability. In *Proceedings of the 2013 Conference of the Center for Advanced Studies on Collaborative Research (CASCON '13)*. IBM Corp., Riverton, NJ, USA, 92-105, citation of (1)
 26. Jeyakumar, G., Shunmuga Velayutham, C. Distributed heterogeneous mixing of differential and dynamic differential evolution variants for unconstrained global optimization *J Soft Computing*, 1-17, December 2013, doi:R 10.1007/s00500-013-1178-4, citation of (199)
 27. ML Tardivo, P Caymes Scutari, M Mendez Garabetti, G Bianchini, Parameters calibration for parallel differential evolution based on islands *Procs. XVIII Congreso Argentino de Ciencias de la Computacin (CACIC 2013)*, 2013, 296-305 citation of (15)
 28. M. Arajo, J. M. Castro, R. Delgado, Simplified procedures for the seismic assessment of structural component demands, *Vienna Congress on Recent Advances in Earthquake Engineering and Structural Dynamics 2013 (VEESD 2013)* C. Adam, R. Heuer, W. Lenhardt, C. Schranz (eds), 28-30 August 2013, Vienna, Austria, citation of (7)
 29. Etienne Michon, Julien Gossa, Stephane Genaud, Marc Frincu and Alexandre Burel, Porting Grid Applications to the Cloud with Schlouder, *IEEE CloudCom 2013*, citation of (29)
 30. S Yangui, IJ Marshall, JP Laisne, S Tata, CompatibleOne: The Open Source Cloud Broker *Journal of Grid Computing*, 2013, doi: 10.1007/s10723-013-9285-0, citation of (140)
 31. C. Badica, S. Ilie, A. Muscar, L. Sandu, A. Badica, L. Sandu, R. Sboru, M. Ganzha, M. Paprzycki, Distributed agent-based online auction system, *Computing and Informatics* 22, 2013, 1001-1032, citation of (139)
 32. K. Wasielewska, M. Ganzha, M. Paprzycki, and I. Lirkov, Developing ontological model of computational linear algebra - preliminary considerations, *Application of Mathematics in Technical and Natural Sciences*, AIP Conference Proceedings 1561, 133-143 (2013); doi: 10.1063/1.4827222 citation of (51)
 33. Benfenatki H., Saouli H., Benharkat N., Ghodous P., Kazar O., Amghar Y., *Cloud Automatic Software Development*, 13th ISPE International Conference on Concurrent Engineering, IOS Press, doi: 10.3233/978-1-61499-302-5-40, 40-49, 2013, citation of (102)
 34. Han Wang, Xiaoqi Tang, Bao Song, Xiaoyu Wang, A novel architecture of the embedded computer numerical control system based on PLCopen standard doi: 10.1177/0954405413506197, *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, citation of (1)
 35. Jorg Lenhard, Simon Harrer, and Guido Wirtz, Measuring the Installability of Service Orchestrations Using the SQuARE Method, *Proceedings of the 6th IEEE International Conference on Service-Oriented Computing and Applications (SOCA'13)*, Kauai, Hawaii, USA, December 16 - 18, 2013 citation of (1)
 36. Gadhgadh Ridha, Cheriet Mohamed, Kanso Ali, Saida Khazri, OPENICRA: Towards A Generic Model for Automatic Deployment and Hosting of Applications in the Cloud, *International Journal of Cloud Computing and Services Science (IJ-CLOSER)*, Vol.2, No.4, August 2013, pp. 249-275, citation of (87,89)
 37. R.C. Palacios, V. Stantchev, A.R. Gonzalez, Special issue on exploiting semantic technologies with particularization on linked data over grid and cloud architectures, *Future Generation Computer Systems* (2013), <http://dx.doi.org/10.1016/j.future.2013.10.021> citation of (1)

38. Chondamrongkul, Nacha; Temdee, Punnarumul, "Multi-cloud computing platform support with model-driven application runtime framework," *Communications and Information Technologies (ISCIT)*, 2013 13th International Symposium on , vol., no., pp.715,719, 4-6 Sept. 2013 doi: 10.1109/ISCIT.2013.6645946 citation of (102)
39. Nita, Mihaela-Catalina; Moldoveanu, Florica; Asavei, Victor, "Change detection algorithm for land cover in grid systems," *Intelligent Computer Communication and Processing (ICCP)*, 2013 IEEE International Conference on , vol., no., pp.339,342, 5-7 Sept. 2013 doi: 10.1109/ICCP.2013.6646132 citation of (116)
40. Badidi, Elarbi, "A Cloud Service Broker for SLA-based SaaS provisioning," *Information Society (i-Society)*, 2013 International Conference on , vol., no., pp.61-66, 24-26 June 2013 citation of (90)
41. Nicolas Ferry, Alessandro Rossini, Franck Chauvel, Brice Morin, Arnor Solberg Towards model-driven provisioning, deployment, monitoring, and adaptation of multi-cloud systems, *IEEE CLOUD 2013*, 887-894, doi: 10.1109/CLOUD.2013.133 citation of (97)
42. Mario D'Aniello, Esra Mete Gneyisi, Raffaele Landolfo, Kasm Mermerda, Analytical prediction of available rotation capacity of cold-formed rectangular and square hollow section beams, *Thin-Walled Structures*, October 2013, ISSN 0263-8231, doi: 10.1016/j.tws.2013.09.015 citation of (6,7)
43. Bendoukha, Sofiane; Moldt, Daniel; Wagner, Thomas, "Enabling Cooperation in an Inter-cloud Environment: An Agent-Based Approach," 2013 24th International Workshop on Database and Expert Systems Applications (DEXA), , vol pp.217-221, 26-30 Aug. 2013 doi: 10.1109/DEXA.2013.27 citation of (87,102)
44. Chihi, H., Chainbi, W., Ghedira, K. A multi-agent based architecture for Cloud infrastructure auto-adaptation, (2013) *CLOSER 2013 - Proceedings of the 3rd International Conference on Cloud Computing and Services Science*, pp. 90-95, doi: 10.5220/0004374700900095, citation of (90)
45. Jesus Garcia-Galan, Omer Rana, Pablo Trinidad, Antonio Ruiz-Cortes, Migrating to the Cloud: a Software Product Line based analysis (2013) *CLOSER 2013 - Proceedings of the 3rd International Conference on Cloud Computing and Services Science*, pp. 416-426, doi: 10.5220/0004357104160426, citation of (90)
46. Nikolay Grozev and Rajkumar Buyya, Performance Modelling and Simulation of Three-Tier Applications in Cloud and Multi-Cloud Environments *The Computer Journal*, September 26, 2013 doi:10.1093/comjnl/bxt107, citation of (80)
47. M Airaj, C Blanchet, S Kenny, C Loomis, Appliance Management for Federated Cloud Environments, *CloudCom 2013* citation of (87)
48. Aldinucci, M. and Campa, S. and Danelutto, M. and Kilpatrick, P. and Torquati, M., Design patterns percolating to parallel programming framework implementation, *International Journal of Parallel Programming*, Springer, doi: 10.1007/s10766-013-0273-6, 1-20, 2013, citation of (93)
49. Lordan, Francesc and Tejedor, Enric and Ejarque, Jorge and Rafanell, Roger and Ivarez, Javier and Marozzo, Fabrizio and Lezzi, Daniele and Sirvent, Ral and Talia, Domenico and Badia, RosaM., ServiceSs: An Interoperable Programming Framework for the Cloud *Journal of Grid Computing*, doi: 10.1007/s10723-013-9272-5, Springer, 1-25, 2013, citation of (89)
50. Andrushevich, Aliaksei and Copigneaux, Bertrand and Kistler, Rolf and Kurbatski, Alexander and Gall, Franck and Klapproth, Alexander, Leveraging Multi-domain Links via the Internet of Things, In *Internet of Things, Smart Spaces, and Next Generation Networking*, Lecture Notes in Computer Science, 8121, 13-24, doi: 10.1007/978-3-642-40316-3_2, 2013, citation of (87)
51. Kamateri, Eleni and Loutas, Nikolaos and Zeginis, Dimitris and Ahtes, James and D'Andria, Francesco and Bocconi, Stefano and Gouvas, Panagiotis and Ledakis, Giannis and Ravagli, Franco and Lobunets, Oleksandr and Tarabanis, KonstantinosA., Cloud4SOA: A Semantic-Interoperability PaaS Solution for Multi-cloud Platform Management and Portability, in *Service-Oriented and Cloud Computing*, Lecture Notes in Computer Science 8135, 2013, doi: 10.1007/978-3-642-40651-5_6, 64-78, citation of (1)
52. Nicolas Ferry, Franck Chauvel, Alessandro Rossini, Brice Morin, and Arnor Solberg. Managing multi-cloud systems with CloudMF. In *Proceedings of the Second Nordic Symposium on Cloud Computing & Internet Technologies (NordiCloud '13)*, Arnor Solberg, Muhammad Ali Babar, Marlon Dumas, and Carlos E. Cuesta (Eds.). ACM, New York, NY, USA, 38-45. doi:10.1145/2513534.2513542 citation of (102,97)
53. Joaquin Guilln, Javier Miranda, Juan Manuel Murillo, and Carlos Canal. Developing migratable multicloud applications based on MDE and adaptation techniques. In *Proceedings of the Second Nordic Symposium on Cloud Computing & Internet Technologies (NordiCloud '13)*, Arnor Solberg, Muhammad Ali Babar, Marlon Dumas, and Carlos E. Cuesta (Eds.). ACM, New York, NY, USA, 30-37. doi: 10.1145/2513534.2513541 citation of (1,102)
54. Fotis Gonidis, Anthony J. H. Simons, Iraklis Paraskakis, and Dimitrios Kourttesis. 2013. Cloud application portability: an initial view. In *Proceedings of the 6th Balkan Conference in Informatics (BCI '13)*. ACM, 275-282, doi: 10.1145/2490257.2490290 citation of (1,102)
55. Katsaros, Gregory and Wittern, Erik and Gray, Birgit and Tai, Stefan A Service Delivery Framework to Support Opportunistic Collaborations, In *Service-Oriented and Cloud Computing*, Eds. Lau, Kung-Kiu and Lamersdorf, Winfried and Pimentel, Ernesto, Lecture Notes in Computer Science 8135, doi=10.1007/978-3-642-40651-5_2, 4-18, 2013, citation of (102)
56. Guillen, Joaquin and Miranda, Javier and Murillo, JuanManuel and Canal, Carlos, A UML Profile for Modeling Multicloud Applications, In *Service-Oriented and Cloud Computing*, Eds. Lau, Kung-Kiu and Lamersdorf, Winfried and Pimentel, Ernesto, Lecture Notes in Computer Science 8135, doi: 10.1007/978-3-642-40651-5_15, 180-187, 2013 citation of (89,102)
57. Bastiao Silva,L. A. and Costa,C. and Oliveira,J. L., A common API for delivering services over multi-vendor cloud resources, *Journal of Systems and Software* 86 (9), 2309-2317, 2013, citation of (89)
58. Esra Mete Güneyisi, Mario D'Aniello, Raffaele Landolfo, Kasm Mermerda, A novel formulation of the flexural overstrength factor for steel beams, *Journal of Constructional Steel Research*, Volume 90, November 2013, Pages 60-71, ISSN 0143-974X, <http://dx.doi.org/10.1016/j.jcsr.2013.07.022>, citation of (6,7)
59. Maria Laura Tardivo, Paola Caymes-Scutari, Miguel Mendez-Garabetti, and German Bianchini, Two Models for Parallel Differential Evolution, *Proceedings of HPCLatAm 2013*, C.G. Garino, M. Printista (eds.), 25-36 citation of (15)
60. Chen, Zhanghui; Jiang, Xiangwei; Li, Jingbo; et al., PDECO: Parallel differential evolution for clusters optimization, *JOURNAL OF COMPUTATIONAL CHEMISTRY*, 34 (12), 1046-1059, DOI: 10.1002/jcc.23235, citation of (194)
61. Bhadauria, R. and Borgohain, R. and Biswas, A. and Sanyal, S. Secure Authentication of Cloud Data Mining API, *ArXiv e-prints*, arXiv 1308.0824, <http://adsabs.harvard.edu/abs/2013arXiv1308.0824B>, citation of (140)
62. Mirva Toivonen, Cloud Provider Interoperability and Customer Clock-In, *Proceedings of the seminar No. 58312107 CBSE 2013: Cloud-Based Software Engineering*, ed.. Jürgen Münch 14-19, August 2013, citation of (89)
63. Somja, H., Nofal, S., Hjjaj, M., Degee, H. Effect of the steel material variability on the seismic capacity design of steel-concrete composite structures: A parametric study (2013) *Bulletin of Earthquake Engineering*, 11 (4) pp. 1099-1127, doi: 10.1007/s10518-012-9420-5, citation of (6,7)
64. Gomes, Rafael L.; Bittencourt, Luiz F.; Madeira, Edmundo R.M., "A framework for SLA establishment of virtual networks based on QoS classes," 2013 IFIP/IEEE International Symposium on Integrated Network Management (IM 2013), 1175-1178, 27-31 May 2013, citation of (90)
65. Gao, Xiaobo, Fang, Xianmei, Research on Image Mosaic Algorithm Based on Computer Wizard Vector Field Algorithm, *Lecture Notes in Computer Science* 7995, *Intelligent Computing Theories*, Eds. Huang, De-Shuang, Bevilacqua, Vitoantonio, Figueroa, JuanCarlos, Premaratne, Prashan, doi: 10.1007/978-3-642-39479-9_19, 156-162, citation of (2)
66. Suci, George; Vulpe, Alexandru; Halunga, Simona; Fratu, Octavian; Todoran, Gyorgy; Suci, Victor, "Smart Cities Built on Resilient Cloud Computing and Secure Internet of Things," *Control Systems and Computer Science (CSCS)*, 2013 19th International Conference on , vol., no., pp.513-518, 29-31 May 2013 doi: 10.1109/CSCS.2013.58, citation of (99)
67. Amato, A.; Cretella, G.; Di Martino, B.; Venticinque, S., "Semantic and Agent Technologies for Cloud Vendor Agnostic Resource Brokering," 2013 27th International Conference on Advanced Information Networking and Applications Workshops (WAINA), pp.1253-1258, 25-28 March 2013, doi: 10.1109/WAINA.2013.163, citation of (250)
68. Javier Miranda, Joaquin Guilln, Juan Manuel Murillo, and Carlos Canal, Assisting Cloud Service Migration Using Software Adaptation Techniques, *Proceedings 2013 IEEE Sixth International Conference on Cloud Computing*, 573-580, citation of (89)
69. Tagawa, Kiyoharu; Nakajima, Kenichi, "Island-based differential evolution with panmictic migration for multi-core CPUs," 2013 IEEE Congress on Evolutionary Computation (CEC), pp.852-859, 20-23 June 2013, doi: 10.1109/CEC.2013.6557657, citation of (194)
70. VI Munteanu, TF Fortis, V Negru, An evolutionary approach for SLA-based cloud resource provisioning, *AINA 2013*, 506-513, doi:10.1109/AINA.2013.83 citation of (139)
71. Rammohan Mallipeddi, Harmony Search Based Parameter Ensemble Adaptation for Differential Evolution, *Journal of Applied Mathematics*, July 2013, art 750819, citation of (15)
72. Mindruta, Cristina; Fortis, Teodor-Florin, "A Semantic Registry for Cloud Services," 2013 27th International Conference on Advanced Information Networking and Applications Workshops (WAINA), pp.1247-1252, 25-28 March 2013 doi: 10.1109/WAINA.2013.100, citation of (89,90,106,107,139)
73. Hao, Yuqiuge; Karbowski, Rafael; Shamsuzzoha, Ahm; Helo, Petri, Designing of Cloud-Based Virtual Factory Information System. In *Advances in Sustainable and Competitive Manufacturing Systems Lecture Notes in Mechanical Engineering*, ed. Azevedo, Amrico, 10.1007/978-3-319-00557-7_34 415-426, 2013, Springer International Publishing, citation of (1)
74. Jeyakumar, G., Shunmuga Velayutham, C., Distributed mixed variant differential evolution algorithms for unconstrained global optimization, *Memetic Computing*, 2013, 1-19, doi: 10.1007/s12293-013-0119-1 citation of (199)

75. Tsung-Che Chiang, Chen-Nan Chen, Yu-Chieh Lin, Parameter control mechanisms in differential evolution: a tutorial review and taxonomy In Proceedings of the 2013 IEEE Symposium on Differential Evolution, SDE 2013 - 2013 IEEE Symposium Series on Computational Intelligence, SSCI 2013, art. no. 6601435, 1-8, citation of (15)
76. Morais, Fabio Jorge Almeida; Brasileiro, Francisco Vilar; Lopes, Raquel Vigolvin; Santos, Ricardo Araujo; Satterfield, Wade; Rosa, Leandro, Autoflex: Service Agnostic Auto-scaling Framework for IaaS Deployment Models," 2013 13th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid), pp.42-49, 13-16 May 2013 doi: 10.1109/CCGrid.2013.74, citation of (10)
77. Manne Sai Rakesh, S. Venkatesh Sundarasetty, P. Ramesh Pasupuleti and A. Umamakeswari, 2013. Design and Development of Commuter Services Model in Trains using Cloud. Journal of Artificial Intelligence, 6 (1), 68-74, DOI: 10.3923/jai.2013.68.74, citation of (1)
78. Kertesz, A., Kecskemeti, G., Oriol, M., Kotcauer, P., Acs, S., Rodriguez, M., Merc, O., Marosi, A.Cs., Marco, J., Franch, X., Enhancing Federated Cloud Management with an Integrated Service Monitoring Approach, Journal of Grid Computing, 1-22, June 2013, doi: 10.1007/s10723-013-9269-0, citation of (106)
79. Xin Cheng, Yiyi Chen, Lingli Pan, Experimental study on steel beamcolumns composed of slender H-sections under cyclic bending, Journal of Constructional Steel Research, Volume 88, September 2013, Pages 279-288, ISSN 0143-974X, Doi: 10.1016/j.jcsr.2013.05.020, citation of (6), (7)
80. Jixiang Cheng, Gexiang Zhang, Ferrante Neri, Enhancing distributed differential evolution with multicultural migration for global numerical optimization, Information Sciences, Available online 13 June 2013, ISSN 0020-0255, http://dx.doi.org/10.1016/j.ins.2013.06.011, citation of (194)
81. Ruben Van den Bossche, Kurt Vanmechelen, Jan Broeckhove, Online cost-efficient scheduling of deadline-constrained workloads on hybrid clouds, Future Generation Computer Systems, Available online 19 December 2012, ISSN 0167-739X, 10.1016/j.future.2012.12.012, 03/2013; 29(4):973-985. citation of (1)
82. Ward, J. S. and Barker, A., A Cloud Computing Survey: Developments and Future Trends in Infrastructure as a Service Computing, ArXiv e-prints, 1306.1394, 2013, http://adsabs.harvard.edu/abs/2013arXiv1306.1394W, citation of (140)
83. Elarbi Badidi, A Framework for software-as-a-service selection and provisioning, International Journal of Computer Networks & Communications (IJCNC) Vol.5, No.3, May 2013 DOI : 10.5121/ijcnc.2013.5314, 189-200, citation of (90)
84. Steve Strauch and Vasilios Andrikopoulos and Uwe Breitenbücher and Santiago Gómez Sáez and Oliver Kopp and Frank Leymann, Using Patterns to Move the Application Data Layer to the Cloud Proceedings of the 5th International Conference on Pervasive Patterns and Applications, PATTERNS 2013, 27 May/June 1 2013, Valencia, Spain, 2013, 26-33, citation of (107)
85. Claudia Canali and Riccardo Lancellotti. Automatic virtual machine clustering based on bhattacharyya distance for multi-cloud systems. In Proceedings of the 2013 international workshop on Multi-cloud applications and federated clouds (MultiCloud '13). ACM, 45-52, 2013, doi: 10.1145/2462326.2462337 citation of (102)
86. Stavru, Stavros, Krasteva, Iva, Ilieva, Sylvia, Challenges for Migrating to the Service Cloud Paradigm: An Agile Perspective Lecture Notes in Computer Science, 7652, 77-91 DOI: 10.1007/978-3-642-38333-5_10, citation of (87)
87. Dong Liang Qin, Zhi Fei Li, Orthogonal Design and Analysis of Variance Based Performance Analysis of Differential Evolution Algorithm Advanced Materials Research, Volumes 694 - 697, Manufacturing Process and Equipment Edited by Xianghua Liu, Kaifeng Zhang and Mingzhe Li, 2751-2756, doi: 10.4028/www.scientific.net/AMR.694-697.2751 citation of (15)
88. Fabio Morais, Francisco Brasileiro, Raquel Lopes, Ricardo Araujo, Augusto Macedo, Wade Satterfield, Leandro Rosa, Um Arcabouço Para Provisionamento Automatico de Recursos em Provedores de IaaS Independente do Tipo de Aplicacao, Procs. 31 Simpósio Brasileiro de Redes de Computadores e Sistemas Distribuídos SBRC 2013, Anais 585-598, citation of (10)
89. Rajabalipour Cheshmehgaz, Hossein; Desa, Mohammadshak; Wibowo, Antoni, Effective local evolutionary searches distributed on an island model solving bi-objective optimization problems J Applied Intelligence, volume 38, no. 3, doi: 10.1007/s10489-012-0375-7, 331-356 citation of (94)
90. Marpaung, J.A.P. , Sain, M. , Lee, H.-J. Survey on middleware systems in cloud computing integration, International Conference on Advanced Communication Technology, ICACT 2013, Article number 6488284, Pages 709-712 citation of (106)
91. Giove F., Longoni D., Shokrolahi Yancheshmeh M., Ardagna D. and Di Nitto E. (2013). An Approach for the Development of Portable Applications on PaaS Clouds. In Proceedings of CLOSER 2013, pages 591-601 DOI: 10.5220/0004511605910601, citation of (87)
92. Rodriguez-Silva D., Adkinson-Orellana L., Nuñez-Taboada D. and Javier González-Castaño F. PaaS Federation Analysis for Seamless Creation and Migration of Cloud Applications. In Proceedings of CLOSER 2013, pages 156-159, 2013 DOI: 10.5220/0004407201560159, citation of (89)
93. Feng, Ye and Zhijian, Wang and Feng, Xu and Yuanchao, Zhou and Fachao, Zhou and Shaosong, Yang, A Novel Cloud Load Balancing Mechanism in Premise of Ensuring QoS, Intelligent Automation & Soft Computing 1-13, 2013, doi: 10.1080/10798587.2013.786968, citation of (250)
94. Dimitris Zeginis, Francesco D'Andria, Stefano Bocconi, Jesus Gorrionogoitia Cruz, Oriol Collell Martin, Panagiotis Gouvas, Giannis Ledakis, Konstantinos A. Tarabanis, A user-centric multi-PaaS application management solution for hybrid multi-Cloud scenarios, Scalable Computing: Practice and Experiences, Vol 14 (1), 17-32, doi: 10.12694/scpe.v14i1.824 citation of (89)
95. Gianmario Motta, Antonella Ferrara, Daniele Sacco, Linlin You, Gianpaolo Cugola, Integrated Mobility: A Research in Progress, Journal of Software Engineering and Applications, 2013, 6, 97-101 doi:10.4236/jsea.2013.63b021, 2013, citation of (102)
96. Esposito, Christian, Ficco, Massimo, Palmieri, Francesco, Castiglione, Aniello, Reconnecting Federated Clouds by Using Publish-Subscribe Service, J Cluster Computing 16 (4), 887-903, 2013, doi: 10.1007/s10586-013-0261-z citation of (102)
97. Norha M. Villegas, Gabriel Tamura, Hausi A. Mller, Laurence Duchien, Rubby Casallas, DYNAMICO: A Reference Model for Governing Control Objectives and Context Relevance in Self-Adaptive Software Systems, Software Engineering for Self-Adaptive Systems II Lecture Notes in Computer Science Volume 7475, 2013, pp 265-293, citation of (149)
98. David Cunha, Pedro Neves, Pedro Sousa, A Platform-as-a-Service API Aggregator, Advances in Intelligent Systems and Computing Volume 206, Springer, 2013, pp 807-818, doi: 10.1007/978-3-642-36981-0_75, citation of (87)
99. Weber, Matthieu; Neri, Ferrante; Tirronen, Ville, A study on scale factor/crossover interaction in distributed differential evolution J Artificial Intelligence Review 39(1), 2013, doi: 10.1007/s10462-011-9267-1, Springer, 195-224, citation of (194)
100. Wu Xiangxiang, Investigation on Moment-Rotation Curves of Local Buckling Hinges of Slender Members, Structural Engineers 2012, 28(3), TU399, doi: 10.3969/j.issn.1005-0159.2012.03.007, citation of (6, 7)
101. Amir Vahid Dastjerdi, QoS-aware and Semantic-based Service Coordination for Multi-Cloud Environments, PhD thesis, University of Melbourne, March 2013, citation of (1,89)
102. Cuomo, Antonio, Massimiliano Rak, and Umberto Villano. "Planting parallel program simulation on the cloud." Concurrency and Computation: Practice and Experience (2013). DOI: 10.1002/cpe.3012, citation of (1)
103. Wang, S., Xie, C., Hu, Y., Xie, D., Yang, H. A multi-population multi-mutation strategy for differential evolution (2013) Journal of Convergence Information Technology, 8 (3), citation of (15)
104. Cheshmehgaz, Hossein Rajabalipour and Haron, Habibollah and Sharifi, Abdollah, The review of multiple evolutionary searches and multi-objective evolutionary algorithms, Artificial Intelligence Review, 1-33, 2013, Springer, 10.1007/s10462-012-9378-3, citation of (94)
105. J Guilln, J Miranda, JM Murillo, C Canal, A service-oriented framework for developing cross cloud migratable software, Journal of Systems and Software, 2013, Volume 86, Issue 9, September 2013, Pages 22942308, ISSN 0164-1212, 10.1016/j.jss.2012.12.033. citation of (89,106)
106. Cheng, X., Chen, Y., Nethercot, D.A. Experimental study on H-shaped steel beam-columns with large width-thickness ratios under cyclic bending about weak-axis (2013) Engineering Structures, 49 pp. 264-274, http://dx.doi.org/10.1016/j.engstruct.2012.10.035, citations of (6,7)
107. Yiyi Chen, Xin Cheng, David A. Nethercot, An overview study on cross-section classification of steel H-sections, Journal of Constructional Steel Research, Volume 80, January 2013, Pages 386-393, ISSN 0143-974X, 10.1016/j.jcsr.2012.10.006. citation of (6,7)
108. Georg Russ, From Spatial Data Mining in Precision Agriculture to Environmental Data Mining, Computational Intelligence in Intelligent Data Analysis. Studies in Computational Intelligence, 2013, Volume 445/2013, 263-273, DOI: 10.1007/978-3-642-32378-2_18 citation of (137)
109. Alba Amato, Luca Tasquier and Adrian Copie, Vendor Agents for IAAS Cloud Interoperability. Intelligent Distributed Computing VI, Studies in Computational Intelligence, 2013, Volume 446/2013, 271-280, DOI: 10.1007/978-3-642-32524-3_34 citation of (87), (106)
110. Copie A., Fortis F., Munteanu VI, Data security perspectives in the frame of cloud governance, LNCS 7640, pp. 24-33, citation of (90)
111. Rajabalipour Cheshmehgaz Hossein, Desa Mohammad, Wibowo Antoni, Effective local evolutionary searches distributed on an island model solving bi-objective optimization problems, Applied Intelligence, 38 (3) pp. 331-356, 2013, Springer Netherlands, Issn: 0924-669X, Doi: 10.1007/s10489-012-0375-7 citation of (94)
112. Srour Nofal, Hugues Somja, Mohammed Hjiat, Quang Huy Nguyen, Effects of material variability on the ductility of composite beams and overstrength coefficients Earthquake Engineering & Structural Dynamics, 42 (7), pp. 953-972, DOI: 10.1002/eqe.2253, 2013, citation of (6,7)
113. Aziz, Benjamin (2012) An algorithm for trading grid resources in a virtual marketplace. Scalable Computing: Practice and Experience, 13 (4). pp. 339-350. ISSN 1895-1767 citation of (248)
114. Forti, T.-F., Munteanu, V.I., Negru, V. Towards a service friendly cloud ecosystem Proceedings ISPC 2012, art. no. 6341509, pp. 172-179, citation of (90,89,107,139,??)
115. Munteanu, V.I.; Fortis, T.; Negru, V., "Service Lifecycle in the Cloud Environment," Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), 2012 14th International Symposium on , vol., no., pp.457,464, 26-29 Sept. 2012 doi: 10.1109/SYNASC.2012.67,

- citation of (90,138)
116. Khan, Ahmad; Bindra, Gundeep Singh; Arora, Rohan; Raj, Nishant; Jain, Darshan; Shrivastava, Dhruvad; , "Cloud service for comprehensive Project Management Software," Application of Information and Communication Technologies (AICT), 2012 6th International Conference on , vol., no., pp.1-5, 17-19 Oct. 2012 doi: 10.1109/ICAICT.2012.6398496 citation of (1)
 117. DuMim Yoon and Kyung-Joong Kim. 2012. 3D game model and texture generation using interactive genetic algorithm. In Proceedings of the Workshop at SIGGRAPH Asia (WASA '12). ACM, New York, NY, USA, 53-58. DOI=10.1145/2425296.2425305, citation of (123)
 118. Haffiz Shuaib, Richard Anthony, Towards Certifiable Autonomic Computing Systems Part I: A Consistent and Scalable System Design, International Journal on Advances in Intelligent Systems, vol 5 no 3 & 4, 2012, 370-383, citation of (136)
 119. Jaap, Wang; Zhijian, Wang; Yeh Feng, Lou Yuan-Sheng; Zhou; Research to Enhance the Dependability of Cloud Service (in Chinese), Microelectronics & Computer, 2012, 29(11), art 10, citation of (105)
 120. Nageswara Rao, Interoperability in and between Clouds, Global Journal of Computer Application and Technology, Vol 2 (4), 2012, 1170-1172, citation of (90)
 121. Stankovski, Vlado; König, Matija, A Sustainable Building Application Design Based on the mOSAIC API and Platform, 2012 Eighth International Conference on Semantics, Knowledge and Grids (SKG), , pp.249-252, 22-24 Oct. 2012 doi: 10.1109/SKG.2012.13 citation of (87,88,89,90,103,104)
 122. Chao-Chin Wu , Lien-Fu Lai , Yu-Shuo Chang, Extending FuzzyCLIPS for parallelizing data-dependent fuzzy expert systems, The Journal of Supercomputing, v.59 n.3, p.1379-1395, March 2012 citation of (126)
 123. Gava, Frederic; Guedj, Michael; Pommereau, Franck; , "A BSP Algorithm for On-the-fly Checking LTL Formulas on Security Protocols," Parallel and Distributed Computing (ISPD), 2012 11th International Symposium on , vol., no., pp.11-18, 25-29 June 2012 doi: 10.1109/IS-PDC.2012.10, citation of paper (129)
 124. Gava, Frederic; BSP, well suited in all kinds of ways. Application to Functional Programming, Mechanised Verification and Security Protocols, Habilitation thesis, University of Paris-East, 12 Dec 2012, citation of (129)
 125. Serbanescu, Vlad Nicolae; Pop, Florin; Cristea, Valentin; Achim, Ovidiu-Marian; , "Web Services Allocation Guided by Reputation in Distributed SOA-Based Environments," Parallel and Distributed Computing (ISPD), 2012 11th International Symposium on , vol., no., pp.127-134, 25-29 June 2012 doi: 10.1109/ISPD.2012.25 citation of (90)
 126. Nikolay Grozev, Rajkumar Buyya, Inter-Cloud Architectures and Application Brokering: Taxonomy and Survey, Software - Practice and Experience, accepted for publication, doi: 10.1002/spe.2168 citation of (87)
 127. Shi-Zheng Zhao, Ponnuthurai Nagarathnam Suganthan, Empirical investigations into the exponential crossover of differential evolutions, Swarm and Evolutionary Computation, Available online 29 October 2012, ISSN 2210-6502, doi: 10.1016/j.swevo.2012.09.004, citation of (15)
 128. Adrian Copie, Teodor Florin Fortis, Victor Ion Munteanu, Viorel Negru, Datastores supporting Services Lifecycle in the framework of Cloud Governance, Scalable Computing: Practice and Experience Vol. 13 No 3, 2012, 251-267 citation of (89,250,90,139)
 129. Steve Strauch, Vasilios Andrikopoulos, Uwe Breitenbuecher, Oliver Kopp, and Frank Leymann, Non-Functional Data Layer Patterns for Cloud Applications, Proceedings of the 4th IEEE International Conference on Cloud Computing Technology and Science, CloudCom 2012, IEEE Computer Society, citation of (107)
 130. Svatopluk Šperka, Petr Škoda, Pavel Smrž, Cloudification of Legacy Information Extraction System, Procs. WoSS-4, 9-13 citation of (89,106)
 131. Rodila, D.; Gorgan, D.; , "Mapping Geospatial Applications onto Parallel and Distributed Environments," Complex, Intelligent and Software Intensive Systems (CISIS), 2012 Sixth International Conference on , vol., no., pp.443-448, 4-6 July 2012 doi: 10.1109/CISIS.2012.152 citation of (264)
 132. Baresi, Luciano; Georgantas, Nikolaos; Hamann, Kristof; Issarny, Valerie; Lamersdorf, Winfried; Metzger, Andreas; Pernici, Barbara; , "Emerging Research Themes in Services-Oriented Systems," SRII Global Conference (SRII), 2012 Annual , vol., no., pp.333-342, 24-27 July 2012 doi: 10.1109/SRII.2012.44 citation of (264)
 133. Kiyoharu Tagawa, A Statistical Study of Concurrent Differential Evolution on Multi-core CPUs, Procs. Wivace 2012 citation of (199)
 134. Ye, Hongtao, Zhou, Meifang, Wu, Yan, Advances in Differential Evolution for Solving Multiobjective Optimization Problems, Advances in Swarm Intelligence LNCS 7331, 366-373, doi: 10.1007/978-3-642-30976-2_44 citation of (15)
 135. Javier Miranda, Juan Manuel Murillo, Joaquin Guilln, and Carlos Canal. 2012. Identifying adaptation needs to avoid the vendor lock-in effect in the deployment of cloud SBAs. In Proceedings of WAS4FI-Mashups '12, J. Cubo et al (Eds.). ACM, New York, NY, USA, 12-19, DOI=10.1145/2377836.2377841 citation of (1), (90) and (89)
 136. Robert Dukarica, Matjaz B. Juric, Towards a unified taxonomy and architecture of cloud frameworks Future Generation Computer Systems, http://dx.doi.org/10.1016/j.future.2012.09.006, citation of (1)
 137. Magdalena Kostoska, Marjan Gusev, Sasko Ristov, Kiril Kirovski, Cloud Computing Interoperability Approaches Possibilities and Challenges, Procs. BDI' 2012, Faculty of Sciences, University of Novi Sad. ISBN: 978-86-7031-200-5, 30-34, citation of (87)
 138. Huo, Chih-Li; Yean-Shain Lien; Yu-Hsiang Yu; Sun, Tsung-Ying; , "Effectively multi-swarm sharing management for differential evolution," 2012 IEEE Congress on Evolutionary Computation (CEC), 10-15 June 2012 doi: 10.1109/CEC.2012.6252890 citation of (199)
 139. Yu Sun, Yuanxiang Li, Gang Liu, and Jun Liu, A Novel Differential Evolution Algorithm with Adaptive of Population Topology, in B. Liu, M. Ma, and J. Chang (Eds.): ICICA 2012, LNCS 7473, pp. 531538, 2012, citation of (199)
 140. Dimitar Trajanov, Riste Stojanov, Milos Jovanovik, Vladimir Zdraveski, Petar Ristoski, Marjan Georgiev, and Sonja Filiposka. 2012. Semantic sky: a platform for cloud service integration based on semantic web technologies. In Proceedings of the 8th International Conference on Semantic Systems (I-SEMANTICS '12). ACM, New York, NY, USA, 109-116. doi: 10.1145/2362499.2362515 citation of (89, 250, 88)
 141. Eirik Brandtæg, Sbastien Mosser, Parastoo Mohagheghi. Towards CloudML, a Model-based Approach to Provision Resources in the Clouds. In Proceedings of the Model-Driven Engineering for and on the Cloud workshop (co-located with ECMFA'12) (CloudMDE'12), pages 1-10, Springer LNCS, Copenhagen, Denmark, 2-5 July 2012 citation of (1, 88)
 142. Javier Miranda, Joaquin Guilln, Juan Manuel Murillo, and Carlos Canal. 2012. Enough about standardization, let's build cloud applications. In Proceedings of the WICSA/ECSA 2012 Companion Volume (WICSA/ECSA '12). ACM, New York, NY, USA, 74-77. DOI=10.1145/2361999.2362011, citation of (1, 89)
 143. Copie, Adrian, Fortis, Teodor-Florin ; Munteanu, Victor Ion ; Negru, Viorel, Service Datastores in Cloud Governance, Parallel and Distributed Processing with Applications (ISPA), 2012 IEEE 10th International Symposium on 473 - 478, citation of (90, 106, 107, 138)
 144. Mallipeddi, Rammohan; Lee, Minh; , "Surrogate model assisted ensemble differential evolution algorithm," 2012 IEEE Congress on Evolutionary Computation (CEC), 10-15 June 2012 doi: 10.1109/CEC.2012.6256479 citation of (15)
 145. Kousiouris, G.; Menyctas, A.; Kyriazis, D.; Konstanteli, K.; Gogouvitis, S.; Katsaros, G.; Varvarigou, T.; , "Parametric Design and Performance Analysis of a Decoupled Service-Oriented Prediction Framework based on Embedded Numerical Software," IEEE Transactions on Services Computing, doi: 10.1109/TSC.2012.21, citation of (122)
 146. Mario D'Aniello, Raffaele Landolfo, Vincenzo Piluso, Gianvittorio Rizzano, Ultimate behavior of steel beams under non-uniform bending, Journal of Constructional Steel Research, Volume 78, November 2012, Pages 144-158, ISSN 0143-974X, 10.1016/j.jcsr.2012. 07.003, citation of (6) and (7)
 147. Bansal, Jagdish and Sharma, Harish, Cognitive learning in differential evolution and its application to model order reduction problem for single-input single-output systems, Memetic Computing, Springer Berlin / Heidelberg, ISSN 1865-9284, 1-21, doi: 10.1007/s12293-012-0089-8, citation of (15)
 148. Balaji Venu and Ashwani Singh. 2012. Formal verification methodology considerations for network on chips. In Proceedings of the International Conference on Advances in Computing, Communications and Informatics (ICACCI '12). ACM, 220-225. DOI=10.1145/2345396.2345433, citation of (129)
 149. Musrrat Ali, Millie Pant, and Ajith Abraham. 2012. Improving differential evolution algorithm by synergizing different improvement mechanisms. ACM Trans. Auton. Adapt. Syst. 7, 2, Article 20 (July 2012), 32 pages. doi:10.1145/2240166.2240170, citation of (15)
 150. Prashant Khanna, Budida Varahala Babu, Cloud Computing Brokering Service: A Trust Framework Service Level Agreements: An Analytical Study in Progress. Procs. Cloud Computing, the 3rd Int Conference on Cloud Computing, Grids and Virtualization, ISBN: 978-1-61208-216-5, citation of (90)
 151. Fortis, Teodor-Florin; Munteanu, Victor Ion; Negru, Viorel; , "Steps towards cloud governance. a survey," Information Technology Interfaces (ITI), Proceedings of the ITI 2012 34th International Conference on , vol., no., pp.29-34, 25-28 June 2012 doi: 10.2498/iti.2012.0374, citation of (139)
 152. Teodor-Florin Fortis, Victor Ion Munteanu, Viorel Negru, Towards an Ontology for Cloud Services, CISIS, pp.787-792, 2012 Sixth International Conference on Complex, Intelligent, and Software Intensive Systems, 2012, doi: 10.1109/CISIS.2012.138 citation of (106,138,89,107,90)
 153. Škoda, Petr; Šperka, Svatopluk; Smrž, Pavel; , Extracting Information from Scientific Papers in the Cloud, Complex, Intelligent and Software Intensive Systems (CISIS), 2012 Sixth International Conference on , vol., no., pp.775-780, 4-6 July 2012 doi: 10.1109/CISIS.2012.176, citation of (89,106)
 154. Moscato, Francesco; Aversa, Rocco; Amato, Alba; Describing Cloud Use Case in MetaMORP(h)OSY, Complex, Intelligent and Software Intensive Systems (CISIS), 2012 Sixth International Conference on , vol., no., pp.793-798, 4-6 July 2012 doi: 10.1109/CISIS.2012.143, citation of (89)

155. I. De Falco, A. Della Cioppa, D. Maisto, U. Scafuri, E. Tarantino, Biological invasion inspired migration in distributed evolutionary algorithms, *Information Sciences*, Volume 207, 10 November 2012, Pages 50-65, ISSN 0020-0255, doi:10.1016/j.ins.2012.04.027, citation of (199)
156. Sweilam, N. H., Moharram, H. M., Ahmed, Sameh, On the parallel iterative finite difference algorithm for 2-D Poisson's equation with MPI cluster, *Informatics and Systems (INFOS)*, 2012 8th International Conference on , MM-78-MM-85, 14-16 May 2012, citation of (3)
157. Peter Wright, Yih Leong Sun, Terence Harmer, Anthony Keenan, Alan Stewart and Ronald Perrott, A constraints-based resource discovery model for multi-provider Cloud environments *Journal of Cloud Computing: Advances, Systems and Applications 2012*, 1:6, 21 June 2012, doi:10.1186/2192-113X-1-6, citations of (89,103)
158. Frincu, M., Scheduling highly available applications on cloud environments, *Future Generation Computer Systems*, 2012, doi:10.1016/j.future.2012.05.017, citation of (106)
159. Gonidis, F., Paraskakis, I., Kourtesis, D. (2012). Addressing the challenge of application portability in cloud platforms. In *Proceedings of the 7th South East European Doctoral Student Conference (DSC 2012)*. Thessaloniki, Greece citation of (87,1)
160. Réka Nagy, Mihai Alexandru Suci, and D. Dumitrescu. 2012. Lorenz equilibrium: equitability in non-cooperative games. In *Proceedings GECCO '12*, Terence Soule (Ed.). ACM, 489-496. DOI: 10.1145/2330163.2330233, citation of (15)
161. Wei-jie Yu and Jun Zhang. Adaptive differential evolution with optimization state estimation. In *Proceedings GECCO '12*, Terence Soule (Ed.). ACM, 1285-1292, DOI: 10.1145/2330163.2330341, 2012, citation of (15)
162. Abdulrahman Galal, Hesham Hassan, Ibrahim F. Imam, A Novel Approach For Measuring Hyperspectral Similarity, *Applied Soft Computing Journal*, Available online 5 July 2012, ISSN 1568-4946, 10.1016/j.asoc.2012.06.018, pp. 3115-3123 citation of (35)
163. Andrew Jones, Madjid Merabti and Martin Randles, Resilience Framework for Critical Infrastructure Using Autonomics, *Procs. PGNet2012*, ISBN 978-1-902560-26-7, citation of (149)
164. Galal, K., Seif Eldin, H., and Tirca, L. (2012). Flexural Performance of Steel Girders Retrofitted Using CFRP Materials. *Journal of Composites for Construction*, Volume 16, Issue 3, June 2012, Pages 265-276, citation of (6,7)
165. A. Rama Mohan Rao, K. Lakshmi, Dhanya Venkatachalam, Damage diagnostic technique for structural health monitoring using POD and self adaptive differential evolution algorithm, *Computers & Structures*, 2012, ISSN 0045-7949, 10.1016/j.compstruc.2012.05.009, citation of (15)
166. N.M.Villegas, G. Tamura, H.A. Muller, L. Duchien, R. Casallas, DYNAMICO: A Reference Model for Governing Control Objectives and Context Relevance in Self-Adaptive Software Systems, In *Software Engineering for Self-Adaptive Systems*, Springer LNCS, 2012, citation of (149)
167. Ravi Khadka, Amir Saeidi, Andrei Idu, Jurrian Hage, Slinger Jansen, Legacy to SOA Evolution: Evaluation Results, Technical Report UU-CS-2012-006 March 2012 Utrecht University, citation of (254)
168. Nagy, R., Dumitrescu, D., Lung, R.I. Lorenz equilibrium: Concept and evolutionary detection, *Procs. SYNASC 2011*, pp. 408-412, 2012, citation of (15)
169. Y. L. Sun, T. Harmer, A. Stewart, and P. Wright, Mapping Application Requirements to Cloud Resources, in M. Alexander et al. (Eds.): *Euro-Par 2011 Workshops*, Part I, LNCS 7155, pp. 104-112, 2012, citation of (89, 107, 140).
170. T.F. Fortis, G. Esnal Lopez, I. Padillo Cruz, G. Fersch, and T. Mahr, Cloud Patterns for mOSAIC-Enabled Scientific Applications, in M. Alexander et al. (Eds.): *Euro-Par 2011 Workshops*, Part I, LNCS 7155, pp. 83-93, 2012. citation of (107)
171. Khadka, R., Saeidi, A., Hage, J., Jansen, S., Idu, A. Legacy to SOA Evolution: A Systematic Literature Review, In *Migrating to SOA and Cloud Environments: Challenges in Service Oriented Architecture and Cloud Computing Environments*, A. D. Ionita, G. Lewis, M. Litoiu (editors), 2012, citation of (254).
172. Wang, S., Ding, L., Shu, W., Xie, C., Yang, H. Differential evolution without scaling factor, *International Journal of Advancements in Computing Technology*, Volume 4, Issue 4, March 2012, Pages 41-48, citation of (15)
173. Rafael Moreno-Vozmediano, Rubn Montero, Ignacio Llorente, IaaS Cloud Architecture: From Virtualized Data Centers to Federated Cloud Infrastructures, *Computer*, vol. 99, no. 1, Feb 2012, DOI: 10.1109/MC.2012.76, citation of (87)
174. Piotrowski Adam P.; Napiorkowski Jaroslaw J.; Kiczko Adam, Differential Evolution algorithm with Separated Groups for multi-dimensional optimization problems, *European Journal of Operational Research*, Volume: 216 Issue: 1 Pages: 33-46 DOI: 10.1016/j.ejor.2011.07.038, citation of (15)
175. Elchalakani, M., Fernando, D, Plastic mechanism analysis of unstiffened steel I-section beams strengthened with CFRP under 3-point bending, *Thin-Walled Structures*, Volume 53, April 2012, Pages 58-71, DOI: 10.1016/j.tws.2012.01.005, citation of (6,7)
176. Bujok P., Parallel models of adaptive differential evolution based on migration process, *Journal of Applied Mathematics*, vol IV, 2011, no. II, citation of (194)
177. Frincu, M.E., Craciun, C. Multi-objective meta-heuristics for scheduling applications with high availability requirements and cost constraints in multi-cloud environments (2011) *Proceedings - UCC 2011*, art. no. 6123507, pp. 267-274, citation of (106,139)
178. Loutas, N., Kamateri, E., Bosi, F., Tarabanis, K. Cloud computing interoperability: The state of play, (2011) *Proceedings CloudCom 2011*, art. no. 6133225, pp. 752-757, citation of (89)
179. Ki Hoon Moon, Sang Whan Han, Younho Rew, An Evaluation on the Width-Thickness Ratio of the Rotation Capacity of HSB800 Steel Flexural Members, *Advanced Materials Research (Volumes 287 - 290)*, 1902-1906, DOI:10.4028/www.scientific.net/AMR.287-290.1902, citation of (6)
180. Mihael Semenov, Analyzing the absolute stability region of implicit methods of solving ODEs, arXiv:1101.4434v1 [math.CA], citation (49)
181. Saad, R.T., Zilio, S.D., Berthomieu, B. Mixed Shared-Distributed Hash Tables Approaches for Parallel State Space Construction, *Procs. 10th International Symposium on Parallel and Distributed Computing (ISPDC)*, 2011, 9-16, citation (129)
182. Saad, R.T., Model Checking sur Architecture Multiprocesseur, Thesis INSA de Toulouse (20/11/2011) <http://eprint.insa-toulouse.fr/archive/00000444/01/2011.Tacla.Saad.pdf>, citation (129)
183. Noman, Nasimul; Iba, Hitoshi; Cellular Differential Evolution Algorithm AI 2010: Advances in Artificial Intelligence LNCS 6464, 2011, 293-302, Doi: 10.1007/978-3-642-17432-2_30, citation of (199)
184. Haffiz Shuaib, Richard J Anthony and Mariusz Pelc, A Framework for Certifying Autonomic Computing Systems, *Procs. ICAS 2011 : The Seventh International Conference on Autonomic and Autonomous Systems*, ISBN: 978-1-61208-134-2, 122-127, citation of (149)
185. Zaharia Mihai Horia, AI Applications in Psychology, Expert Systems for Human, Materials and Automation, Prof. Petrica Vizureanu (Ed.), ISBN: 978-953-307-334-7, InTech, 2011, citation of (45).
186. C. Serban, C. Maftai, C. Filip, Assessment of Multi-spectral Vegetation Indices using Remote Sensing and Grid Computing, *International Journal of Computers*, Issue 4, vol. 5, 2011, citation of (42) and (41)
187. Harold Castro, Mario Villamizar, and Eduardo Rosales, Supporting e-Science Applications through the On-Demand Execution of Opportunistic and Customizable Virtual Clusters, *International Journal of Computers*, Issue 4, vol. 5, 2011, citation of (162)
188. Deng Guang, Huang Zhenchun, Qin Xianlin, Zhang Xu and Li Zengyuan, Research on a Kind of Web Based Distributed Forest Remote Sensing Parallel Processing Service, In *Advances in Information Technology and Education, Communications in Computer and Information Science*, 2011, Volume 201, 593-600, citation of (33)
189. Voras, I., Mihaljevic, B. ; Orlic, M. ; Pletikosa, M. ; Zagar, M. ; Pavic, T. ; Zimmer, K. ; Cavrak, I. ; Paunovic, V. ; Bosnic, I. ; Tomic, S., Evaluating open-source cloud computing solutions, *MIPRO*, 2011 *Proceedings of the 34th International Convention*, 209-214, citation of (89)
190. Bujok P., Parallel models of adaptive differential evolution based on migration process, *Journal of Applied Mathematics*, vol IV, 2011, no. II, citation of (194)
191. Mallipeddi, R., Suganthan, P.N., Ensemble differential evolution algorithm for CEC2011 problems, 2011 *IEEE Congress of Evolutionary Computation, CEC 2011* , art. no. 5949801, pp. 1557-1564, 2011 citation of (15)
192. Carlos Garcia-Martinez, Francisco J. Rodriguez and Manuel Lozano, Role differentiation and malleable mating for differential evolution: an analysis on large-scale optimisation, *Soft Computing - A Fusion of Foundations, Methodologies and Applications 15* (11), pp. 2109-2126, 2011, citation of paper (15)
193. Zhu, W., Massively parallel differential evolution-pattern search optimization with graphics hardware acceleration: An investigation on bound constrained optimization problems, *Journal of Global Optimization* 50 (3), pp. 417-437, 2011 citation of paper (194)
194. Ishimizu, T., Tagawa, K., Experimental study of a structured differential evolution with mixed strategies, *Journal of Advanced Computational Intelligence and Intelligent Informatics* 15 (9), pp. 1310-1319, 2011 citation of paper (194)
195. Villegas, N.M., Müller, H.A., Tamura, G. Optimizing run-time SOA governance through context-driven SLAs and dynamic monitoring, 2011 *International Workshop on the Maintenance and Evolution of Service-Oriented and Cloud-Based Systems, MESOCA 2011*, Code 87275, citation of (105)
196. Costin Badica, Lars Braubach, and Adrian Paschke, Rule-Based Distributed and Agent Systems, in N. Bassiliades et al. (Eds.): *RuleML 2011 - Europe*, LNCS 6826, pp. 3-28, 2011, citation of (34) and (162)
197. Xu, Qiuyan, Wang Wenqia, A new parallel iterative algorithm for solving 2D poisson equation, *Numerical Methods for Partial Differential Equations Volume 27*, Issue 4, July 2011, pp. 829-853, citation of (3).
198. Balaz, A., Prnjat, O. , Vudragovic, D. , Slavnic, V., Liabotis, I. , Atanasov, E. , Jakimovski, B. , Savic, M., Development of Grid e-Infrastructure in South-Eastern Europe, *Journal of Grid Computing*, Vol. 9, Issue 2, June 2011, Pages 135-154, citation of (253) and citation

- of (35)
199. Weber, M., Neri, F., Tirronen, V., A study on scale factor in distributed differential evolution, *Information Sciences* 181 (12), pp. 2488-2511 citation of paper (199)
 200. Epitropakis, M.G., Tasoulis, D.K., Pavlidis, N.G., Plagianakos, V.P., Vrahatis, M.N, Enhancing differential evolution utilizing proximity-based mutation operators *IEEE Transactions on Evolutionary Computation*, Volume 15, Issue 1, February 2011, Article number 5678831, Pages 99-119, citation of paper (15)
 201. Dorronsoro, B., Bouvry, P., Improving classical and decentralized differential evolution with new mutation operator and population topologies, *IEEE Transactions on Evolutionary Computation* Volume 15, Issue 1, February 2011, Article number 5714781, Pages 67-98, citation of paper (199)
 202. Ali Musrrat, Pant, Millie, Nagar, A., Two new approach incorporating centroid based mutation operators for differential evolution, *World Journal of Modelling and Simulation* Volume 7, Issue 1, February 2011, Pages 16-28, citation of paper (15)
 203. Resteanu, C., Trandafir, R. Programming problems with a large number of objective functions *Procs. 7th International Conference on Numerical Methods and Applications, NMA 2010, Lecture Notes in Computer Science* Volume 6046, 2011, Pages 207-214 citation of (251)
 204. Resteanu, C., Trandafir, R. Programming problems with a large number of objective functions *Procs. 7th International Conference on Numerical Methods and Applications, NMA 2010, Lecture Notes in Computer Science* Volume 6046, 2011, Pages 207-214 citation of paper (145)
 205. Cevik, A., Neuro-fuzzy modeling of rotation capacity of wide flange beams, *Expert Systems with Applications* Volume 38, Issue 5, May 2011, Pages 5650-5661, citation of papers (6), (7) and (4)
 206. Wu, C.-C., Parallelizing a CLIPS-based course timetabling expert system, *Expert Systems with Applications*, Volume 38, Issue 6, June 2011, Pages 7517-7525, citation of paper (126)
 207. Esmaeili, H., A class of iterative methods for computing polar decomposition, *International Journal of Computer Mathematics*, 82 (10), pp. 1235-1246, citation of paper (25)
 208. El Hassouni, A., Plumier, A., Cherrabi, A. Experimental and numerical analysis of the strain-rate effect on fully welded connections, *Journal of Constructional Steel Research* Volume 67, Issue 3, March 2011, Pages 533-546, citation of paper (258)
 209. Quan-Ke Pan, P.N. Suganthan, Ling Wang, Liang Gao and R. Mallipeddi, A differential evolution algorithm with self-adapting strategy and control parameters, *Computers & Operations Research* Volume 38, Issue 1, 2011, Pages 394-408, citation of paper (15)
 210. Mallipeddi, R., Suganthan, P.N., Pan, Q.K., Tasgetiren, M.F., Differential evolution algorithm with ensemble of parameters and mutation strategies, *Applied Soft Computing Journal*, Volume 11, Issue 2, March 2011, Pages 1679-1696, citation of paper (15)
 211. Musrrat Ali and Millie Pant, Improving the performance of differential evolution algorithm using Cauchy mutation, *Soft Computing* 15, issue 5, 991-1007, citation of paper (15)
 - 2010 212. Achten, P., Van Eekelen, M., Koopman, P., Morazn, M.T. Trends in Trends in Functional Programming 1999/2000 versus 2007/2008 (2010) *Higher-Order and Symbolic Computation*, 23 (4), pp. 465-487 citation of (93)
 213. Tagawa Kiyohar, Ishimizu Takashi, Concurrent Implementation of Differential Evolution In *Procs. 10th International Conference on Systems Theory and Scientific Computation (ISTASC 10)*, 65-70, 2010, citation of paper (194)
 214. Ishimizu Takashi, Tagawa Kiyoharu, Experiment study of a structured differential evolution with mixed strategies, *Proceedings - 2010 2nd World Congress on Nature and Biologically Inspired Computing, NaBIC 2010 2010*, Article number 5716284, Pages 591-596, citation of paper (194)
 215. Ishimizu Takashi; Tagawa Kiyoharu, A Comparative Study of Structured Differential Evolutions *Procs. 10th International Conference on Applied Computer Science*, 321-326, 2010, citation of paper (194)
 216. Gava, F., Guedj, M., Pommereau, F., A BSP algorithm for the state space construction of security protocols, *Proceedings of the 9th Int. Workshop on Parallel and Distributed Methods in Verification, PDMC 2010*, Article number 5698468, Pages 37-44, citation of paper (129)
 217. Saad, R.T., Dal Zilio, S., Berthomieu, B., A general lock-free algorithm for parallel state space construction, *Proceedings of the 9th Int. Workshop on Parallel and Distributed Methods in Verification, PDMC 2010*, Article number 5698464, Pages 8-16, citation of paper (129)
 218. Rammohan Mallipeddi and Ponnuthurai Nagaratnam Suganthan, Differential Evolution Algorithm with Ensemble of Parameters and Mutation and Crossover Strategies, *Volume 6466 LNCS*, 2010, Pages 71-78 , citation of paper (15)
 219. Noman, N., Iba, H., Cellular differential evolution algorithm, *Volume 6464 LNAI*, 2010, Pages 293-302, citation of paper (199)
 220. Jeyakumar, G., Velayutham, C.S., Empirical study on migration topologies and migration policies for island based distributed differential evolution variants, *Volume 6466 LNCS*, 2010, Pages 29-37, citation of (199)
 221. Reid, D., Oddie, A., Hazlewood, P. Parallel numerical P systems using a MIMD based architecture, *Proceedings 2010 IEEE 5th International Conference on Bio-Inspired Computing: Theories and Applications, BIC-TA 2010 2010*, Article number 5645257, Pages 1646-1653 citation of paper (12)
 222. Frasher, N., Cico, B., Paci, H., Processing of satellite images in space-time domain, *Earth Science Informatics* Volume 3, Issue 4, December 2010, Pages 283-288, citation of (146)
 223. Ungureanu, V., Koteko, M., Mania, R.J., Dubina, D. Plastic mechanisms database for thin-walled cold-formed steel members in compression and bending, *Thin-Walled Structures* Volume 48, Issue 10-11, 2010, Pages 818-826 citation of paper (174)
 224. Serban, C., Maftai, C., Computational grids and remote sensing-based analysis of thermal environment of a geographic area, *Proceedings - 9th RoEduNet IEEE International Conference, RoEduNet 2010* , Article number 5541543, Pages 346-351 citation of (281)
 225. Maheshwari, K., Montagnat, J., Scientific workflow development using both visual and script-based representation, *Proceedings - 2010 6th World Congress on Services, Services-1 2010 2010*, Article number 5577253, Pages 328-335, citation of article (34)
 226. Emmanuel, M., Ramesh Babu, D.R. , Jagdale, J. , Game, P. , Potdar, G.P., Parallel approach for content based medical image retrieval system, *Journal of Computer Science* Volume 6, Issue 11, 2010, Pages 1258-1262, citation of article (116)
 227. Arias Montano, A., Coello Coello, C.A., Mezura-Montes, E., pMODE-LD+SS: An effective and efficient parallel differential evolution algorithm for multi-objective optimization, *Volume 6239 LNCS, Issue PART 2*, 2010, Pages 21-30, citation of paper (15)
 228. Hui Guo, Chengqi Cheng, Zhanfu Chi, A parallel computing system of remote sensing images based on Global Subdivision Model, *Geoinformatics, 2010 18th International Conference on Issue Date: 18-20 June 2010*, 1 - 4, citation of article (252)
 229. Sara E. McCaslin, Parallelization of Shape Function Generation for Hierarchical Tetrahedral Elements, *Innovations in Computing Sciences and Software Engineering 2010*, 409-414, citation of paper (161)
 230. George Kousiouris, Dimosthenis Kyriazis, Kleopatra Konstanteli, Spyridon Gogouvtis, Gregory Katsaros, Theodora Varvarigou, A Service-Oriented Framework for GNN Octave-Based Performance Prediction, *2010 IEEE International Conference on Services Computing*, pp.114-121, citation of paper (122)
 231. Cristina Serban, Carmen Maftai, Alina Barbulescu, Estimation of Evapotranspiration Using Remote Sensing Data and Grid Computing, *Proc. 14th Int. Conference on COMPUTERS, Corfu, Grecia 2010*, citation of article (123) and (281)
 232. Cristina Serban, Carmen Maftai, Alina Barbulescu, Assessment of Evapotranspiration Using Remote Sensing Data and Grid Computing and Application, *WSEAS Journal Transactions on Computers*, Issue 11, Volume 9, pp.1245-1254, 10 pg., November 2010, citation of article (123) and (281)
 233. Quintella, F., Soares, L.P., Raposo, A.B., DWeb3D: A toolkit for developing X3D applications in a simplified environment, *Web3D Symposium Proceedings 2010*, pp. 45-54, citation of article (119)
 234. Coelho, A.M.G., Bijlaard, F., High strength steel in buildings and civil engineering structures: Design of connections, *Advances in Structural Engineering* Volume 13, Issue 3, 1 June 2010, Pages 413-429, citation of paper (258)
 235. Janjic, V., Hammond, K., Granularity-aware work-stealing for computationally-uniform Grids, *CCGrid 2010 - 10th IEEE/ACM International Conference on Cluster, Cloud, and Grid Computing 2010*, Article number 5493485, Pages 123-134, citation of article (93)
 236. Isbasoiu, E.C, Architectures based on services for education and physics research, *UKSim2010 - UKSim 12th International Conference on Computer Modelling and Simulation 2010*, Article number 5481008, Pages 533-537, citation of Petcu, D. (2008) *Distributed Systems- Lecture Notes Timisoara*, September
 237. Chung, C.Y., Liang, C.H., Wong, K.P., Duan, X.Z., Hybrid algorithm of differential evolution and evolutionary programming for optimal reactive power flow, *IET Generation, Transmission and Distribution* 4 (1), 2010, pp. 84-93, citation of paper (194)
 238. Coelho, A.M.G., Bijlaard, F.S.K., Behaviour of high strength steel moment joints, *Heron* 55 (1), pp. 1-32, 2010, citation of paper (258)
 239. Gorgan, D., Stefanut, T., Bacu, V., Mihon, D., Rodila, D. Grid based environment application development methodology, *Volume 5910 LNCS*, 2010, Pages 499-506 citation of paper (116)
 240. Bing, H., Lei, S, A parallel rendering algorithm for large-scale terrain, *2010 2nd International Conference on Computer Engineering and Applications, ICCEA 2010* Volume 1, 2010, Article number 5445773, Pages 530-536 citation of article (124)
 241. Rendzinyak, S., Byczkowska-Lipinska, L., Cegielski, M., Analysis of the effectiveness of parallel algorithms on the example of computation of transient processes in complex electronic circuits, *Przeglad Elektrotechniczny* Volume 86, Issue 1, 2010, Pages 17-19 citation of (259)
 242. Petko D. Proinov, New general convergence theory for iterative processes and its applications to Newton Kantorovich type theorems, *Journal of Complexity* Volume 26, Issue 1, February 2010, Pages 3-42, citation of article (28)
 243. Matthieu Weber, Ferrante Neri, Ville Tirronen, Parallel Random Injection Differential Evolution, *Lecture Notes in Computer Science*, Volume 6024/2010, 471-480, citation of paper (199)

244. Ferrante Neri, Ville Tirronen, Recent advances in differential evolution: a survey and experimental analysis, *Artificial Intelligence Review*, Springer, Volume 33, Numbers 1-2 / February, 2010, 61-106, citation of paper (15)
245. McConnell, J.R., Barth, K. Moment-Rotation Response of Slender Steel I-Girders. *Journal of Structural Engineering-ASCE* 136 (2010), v. 136, issue 12, p. 1533-1544, citation of (7)
- 2009 246. L.Y. Clhoy, A. Edelman, J.R. Husbands, Methods and apparatus for parallel execution of a process, United States Patent no. 7542981B2, Jun 2009, citation of article (19)
247. Simon James Caton, On-Demand Distributed Image Processing Over An Adaptive Campus-Grid, PhD thesis, Cardiff University, Sept. 2009, citation of article (123)
248. Gorgan, D., Stefanut, T., Bacu, V., Grid based training environment for earth observation, LNCS 5529, 2009, pp. 98-109, Citation of paper (116)
249. Ion, M., Pop, F., Dobre, C., Cristea, V., Dynamic resources allocation in grid environments, *Procs SYNASC 2009*, pp. 213-220, citation of article (293)
250. Wu, C.-C., Lai, L.-F., Chang, Y.-S., Towards automatic load balancing for programming parallel fuzzy expert systems in heterogeneous clusters, *Journal of Internet Technology* Volume 10, Issue 2, 2009, Pages 179-186, citation of (126)
251. Isbasoiu, E.C. Services for numerical calculation, *CSSim 2009 - 1st International Conference on Computational Intelligence, Modelling, and Simulation 2009*, Article number 5350126, Pages 245-252, citation of (284)
252. Chao-Chin Wu, Lien-Fu Lai, Liang-Tsung Huang, Wei-Chao Chang, A Parallel CLIPS-based Course Timetabling Expert System, in *Proceedings of the 2009 National Computer Symposium (NCS 2009): 27-28 November 2009; Taipei, Taiwan. 2009: 307-315*, citation of (126)
253. M. Mathes, S. Heinzl, B. Freisleben, Towards a Generic Backup and Recovery Infrastructure for the German D-Grid Initiative, *Kommunikation in Verteilten Systemen (KiVS)*, Springer, 2009, pp. 229-240 citation of article (293)
254. Qiuyan Xu, Wenqia Wang, A new parallel iterative algorithm for solving 2D Poisson equation, *Numerical Methods for Partial Differential Equations*, Wiley Periodicals, 2009, DOI: 10.1002/num.20556, citation of article (3)
255. H. Esmaeili, A Quadratically Convergent Class of Modifications for Kovarik's Method, *Bull. Belg. Math. Soc. Simon Stevin* Volume 16, Number 4 (2009), 617-622, citation of paper (25)
256. M. Nastase, C. Dobre, F. Pop, V. Cristea, Fault Tolerance using a Front-End Service for Large Scale Distributed Systems, *Proceedings of the 2009 11th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2009*, citation of article (128)
257. F. Neri, V. Tirronen, Recent advances in differential evolution: a survey and experimental analysis, *Artificial Intelligence Reviews*, DOI 10.1007/s10462-009-9137-2, 2009, citation of paper (15)
258. M. Weber, V. Tirronen, F. Neri, Scale factor inheritance mechanism in distributed differential evolution, *Soft Computing - A Fusion of Foundations, Methodologies and Applications*, 10.1007/s00500-009-0510-5, 2009 citation of paper (194)
259. Das, S., Abraham, A., Chakraborty, U.K., Konar, A., Differential evolution using a neighborhood-based mutation operator, *IEEE Transactions on Evolutionary Computation* Volume 13, Issue 3, 2009, Pages 526-553 citation of paper (15)
260. Weber, M., Neri, F., Tirronen, V., Distributed differential evolution with explorative-exploitative population families, *Genetic Programming and Evolvable Machines* Volume 10, Issue 4, December 2009, Pages 343-371, citation of paper (199)
261. V. L. Huang, S. Z. Zhao, R. Mallipeddi and P. N. Suganthan, Multi-objective Optimization Using Self-adaptive Differential Evolution Algorithm, *IEEE Congress on Evolutionary Computing (CEC 2009)*, pp 190-194, citation of paper (15)
262. Gogolenko, S.Y., Svyatnyj, V., Architecture aware parallelization of solvers for PDE systems on geometrical graphs, *Computer Science - Research and Development* Volume 23, Issue 3-4, June 2009, Pages 225-230, citation of (259)
263. Anca Iordan, George Savii, Manuela Panoiu, Caius Panoiu. Visual interactive environment for doing geometrical constructions, *Transactions on Computers*, Volume 8, Issue 2 (February 2009), 258-268, 2009 citation of paper (39)
264. Qin AK, Huang VL, Suganthan PN, Differential Evolution Algorithm With Strategy Adaptation for Global Numerical Optimization, *IEEE Transactions on Evolutionary Computation* Volume: 13 Issue: 2 Pages: 398-417 Published: APR 2009 citation of paper (15)
265. S. Das, A. Abraham, A. Konar. Modelling and analysis of the population-dynamics of differential evolution algorithms, *Studies in Computational Intelligence*, 178, pp. 111-135, 2009 citation of paper (15)
266. S. Das, A. Abraham, A. Konar. Differential Evolution algorithm: foundations and perspective, *Studies in Computational Intelligence*, 178, pp. 63-110, 2009 citation of paper (15)
267. Frincu, M.E., Macariu, G., Carstea, A., Dynamic and adaptive workflow execution platform for symbolic computations, *Pollack Periodica* Volume 4, Issue 1, April 2009, Pages 145-156 citation of article (93)
268. Claeys, P., Vanrolleghem, P.A., Baets, B.D., Automatic numerical solver selection from a repository of pre-run simulations, *Water Science and Technology* Volume 59, Issue 5, 2009, Pages 893-906 citation of paper (49)
269. Dasgupta, S., Das, S., Biswas, A.a, Abraham, A., On stability and convergence of the population-dynamics in differential evolution, *AI Communications* Volume 22, Issue 1, 2009, Pages 1-20, citation of paper (15)
270. Petko D. Proinov, New general convergence theory for iterative processes and its applications to Newton Kantorovich type theorems, *Journal of Complexity* (2009), doi:10.1016/j.jco.2009.05.001, ISSN: 0885-064X, Elsevier, citation of article (28)
271. Elisabetta Alderighi, Walter Salvatore, Structural fire performance of earthquake-resistant composite steel-concrete frames, *Engineering Structures*, 2009, Elsevier, doi:10.1016/j.engstruct.2008.12.001, in press citation of paper (4)
272. Eric Aubanel, Resource-Aware Load Balancing of Parallel Applications, in *Encyclopedia of Grid Computing. Technologies and Applications*, 2009, Ed. E. Udoh, F. Wang, IGI Global, citation of paper (44)
273. Eric Aubanel, Resource-Aware Load Balancing of Parallel Applications, *Handbook of Research on Grid Technologies and Utility Computing: Concepts for Managing Large-Scale Applications*, pp 12-21, IGI Global, May 2009, citation of paper (44)
274. M. Mathes, S. Heinzl, R. Schwarzkopf, B. Freisleben: F&L-Grid: Eine generische Backup und Recovery Infrastruktur für das D-Grid In: *Lecture Notes in Informatics*, pp. 55-67, Gesellschaft für Informatik (GI), 2009, citation of article (293)
275. M. Mathes, S. Heinzl, B. Freisleben: Towards a Generic Backup and Recovery Infrastructure for the German D-Grid Initiative In: *Tagungsband der ITG/GI-Fachtagung Kommunikation in Verteilten Systemen (KiVS)*, pp. 229-240, Springer, 2009, citation of article (293)
276. Simon J. Caton, Omer F. Rana, Bruce G. Batchelor, Distributed image processing over an adaptive Campus Grid, *Concurrency and Computation: Practice and Experience*, Volume 21 Issue 3, Pages 321 - 336, 2009 citation of article (123)
277. Bortos, C., Ordean, M., Silaghi, G.C., Broadcasting clouds masks and snow areas detected in mediogrid to mobile devices, *Proceedings of the 2008 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2008*, 2009 Article number 5204847, Pages 410-415, citation of paper (116)
- 2008 278. Mohammed Alzomai, Audun Josang, Adrian McCullagh, Ernest Foo, Strengthening SMS-Based Authentication through Usability, *Parallel and Distributed Processing with Applications*, International Symposium on, pp. 683-688, 2008 IEEE International Symposium on Parallel and Distributed Processing with Applications, 2008, citation of paper (26)
279. G. Neagu, GridMOSI VO - a Grid enabled Research Infrastructure in Modelling, Simulation and Optimisation, *Proceedings of the 1st WSEAS International Conference on VISUALIZATION, IMAGING and SIMULATION (VIS'08)*, ISSN: 1790-2769. ISBN: 978-960-474-022-2, citation of article (152)
280. Gherghina, C., Isbasoiu, E., Grid services and satellite image processing for urban and river bed changes assessment, *Proceedings of the 2008 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2008*, Article number 5204845, Pages 398-401, citation of article (123)
281. Gherghina, C., Isbasoiu, E., Grid services and satellite image processing for urban and river bed changes assessment, *Proceedings of the 2008 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2008*, Article number 5204845, Pages 398-401, citation of paper (116)
282. Alecsandrescu, R., Pop, F., Cristea, V., A distributed algorithm for critical area detection in satellite imagery, *Proceedings of the 2008 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2008*, Article number 5204842, Pages 380-386 citation of paper (116)
283. Dharma, R.B., Tan, K.H., Experimental and numerical investigation on ductility of composite beams in the Hogging moment regions under fire conditions, *Journal of Structural Engineering* Volume 134, Issue 12, 2008, Pages 1873-1886, citation of paper (6)
284. Lobachev, O., Loogen R., Towards an Implementation of a Computer Algebra System in a Functional Language, *Intelligent Computer Mathematics*, LNCS vol. 5144, 2008, pp. 141-154, citation of article (93)
285. Zielinski, K., Laur, R. Stopping criteria for differential evolution in constrained single-objective optimization, *Studies in Computational Intelligence* 143, pp. 111-138, 2008 citation of article (199)
286. Storn, R. Differential evolution research - Trends and open questions, *Studies in Computational Intelligence* 143, pp. 1-31, 2008 citation of article (199)
287. Storn, R. Differential evolution research - Trends and open questions, *Studies in Computational Intelligence* 143, pp. 1-31, 2008 citation of paper (15)
288. Chan TM, Gardner L, Bending strength of hot-rolled elliptical hollow sections, *Journal of Constructional Steel Research* vol. 64, issue 9, pp. 971-986 (2008), citation of paper (6)

289. Sanchez-Ricart L, Plumier A., Parametric study of ductile moment-resisting steel frames: A first step towards Eurocode 8 calibration, *Earthquake Engineering & Structural Dynamics* vol. 37, issue 7, pp. 1135-1155, 2008, citation of article (7)
290. Sanchez-Ricart L, Plumier A., Parametric study of ductile moment-resisting steel frames: A first step towards Eurocode 8 calibration, *Earthquake Engineering & Structural Dynamics* vol. 37, issue 7, pp. 1135-1155, 2008, citation of paper (6)
291. H. Esmaili, A Class of Modifications for Kovarik's Method, *Bull. Belg. Math. Soc. Simon Stevin* Volume 15, Number 2 (2008), 377-384, citation of paper (25)
292. Kok Fu Ng, Norhashidah Hj. Mohd Ali, Performance analysis of explicit group parallel algorithms for distributed memory multicomputer, *Parallel Computing* vol. 34, issue 6-8, pp. 427-440, 2008, doi:10.1016/j.parco.2007.10.004, Cited of article (3)
293. Al Zain, A.D, Trinder, P.W., Hammond, K., Konovalov, A., Linton, S., Berthold, J. Parallelism without pain: Orchestrating computational algebra components into a high-performance parallel system, *Procs. ISPA 2008*, Article number 4725140, Pages 99-112, citation of article (26)
294. M. Caramia, S. Giordani, Resource allocation in grid computing: an economic model, *WSEAS Transactions on Computer Research* Volume 3, Issue 1, January 2008, Pages 19-27, citation of article (42)
295. M. Marcu, D. Tudor, S. Fuicu, S. Copil-Crisan, F. Maticu, M. Micea, Power Efficiency Study of Multi-threading Applications for Multi-core Mobile Systems, *WSEAS Transactions on Computers*, Volume 7, Issue 12, December 2008 pp 1875-1885, Citation of paper (39)
296. Kasem, A., Ida, T., Computational origami environment on the web, *Frontiers of Computer Science in China* Volume 2, Issue 1, March 2008, Pages 39-54, citation of article (93)
297. Megnounif, A., Djafour, M., Belarbi, A., Kerdal, D., Strength buckling predictions of cold-formed steel built-up columns, *Structural Engineering and Mechanics* Volume 28, Issue 4, 10 March 2008, Pages 443-460, citation of paper (174)
298. Arotaritei, D., Turnea, M., Toma, M.C., Ciorap, R., Ilea, M., Grid computing services for parallel algorithms in medicine and biology, *WSEAS Transactions on Computers* Volume 7, Issue 6, June 2008, Pages 827-836, citation of paper (49)
299. Yu, G., Gauthier, L., Stahl, R., Corporaal, H., Schelkens, P., Applying SIMD to Optical Character Recognition (OCR), *Proceedings of SPIE - The International Society for Optical Engineering* Volume 7000, 2008, citation of article (118)
300. Cârstea A., Macariu G., Towards a grid enabled symbolic computation architecture, *Pollack Periodica* Volume 3, Issue 2, August 2008, Pages 15-26, citation of article (93)
301. Wu, C.C, Lai L.F., Chang, Y.S., Using MPI to execute a FuzzyCLIPS application in parallel in heterogeneous computing systems, *Proceedings - 2008 IEEE 8th International Conference on Computer and Information Technology, CIT 2008*, Pages 279-284 citation of paper (126)
302. Fu, J., Liu, Q., Zhou, X., Xiang, K., Zeng, Z. An adaptive variable strategy Pareto differential evolution algorithm for multi-objective optimization, *2008 IEEE Congress on Evolutionary Computation, CEC 2008*, art. no. 4630864, pp. 648-652, 2008, citation of paper (15)
303. Dasgupta, S., Biswas, A., Das, S., Abraham, A. The population dynamics of Differential Evolution: A mathematical model, *2008 IEEE Congress on Evolutionary Computation, CEC 2008*, art. no. 4630983, pp. 1439-1446, 2008 citation of paper (15)
304. Lee, K., Stojadinovic, B., A plastic collapse method for evaluating rotation capacity of full-restrained steel moment connections, *Theoretical and Applied Mechanics* 2008, vol. 35, iss. 1-3, pp. 191-214 Citation of paper (6) and paper (7)
305. Pradeep Kumar Nalla, Efficient Distributed Bounded Property Checking, PhD Thesis, 2008, Eberhard-Karls-Universität Tübingen, citation of paper (129)
- 2007 306. Ponalagusamy, R and Senthilkumar, S., Cartesian robot arm problem using a novel dormant and prince technique, *Journal of Engineering, Annals of Faculty of Engineering, Hunedoara*, 2007, Tome 5 (2), 143-154, citation of article (47)
307. Adrian Santos, Francisco Almeida, and Vincente Blanco, The OpenCF: An Open Source Computational Framework Based on Web Services Technologies, R. Wyrzykowski et al. (Eds.): *PPAM 2007, LNCS 4967*, pp. 788-797, 2008, citation of paper (122)
308. Santos, A., Almeida, F., Blanco, V., Lightweight web services for high performance computing, Volume 4758 LNCS, 2007, Pages 225-236, citation of paper (122)
309. Iyad Ajwa, A case study of Grid Computing and computer algebra: parallel Groebner Bases and Characteristic Sets *Journal The Journal of Supercomputing*, Springer, Volume 41, Number 1 / July, 2007 citation of article (14)
310. Al Zain, A., Hammond, K., Trinder, P., Linton, S., Loidl, H.-W., Costanti, M, SymGrid-Par: Designing a framework for executing computational algebra systems on computational grids, *Lecture Notes in Computer Science* Volume 4488, 2007, 617-624, citation of article (26)
311. Dharma, R.B., Tan, K.-H, Rotational capacity of steel I-beams under fire conditions Part II: Numerical simulations, *Engineering Structures*, Volume 29, Issue 9, September 2007, Pages 2403-2418, Citation of paper (6)
312. Dharma, R.B., Tan, K.-H, Rotational capacity of steel I-beams under fire conditions Part I: Experimental study, *Engineering Structures*, Volume 29, Issue 9, September 2007, Pages 2391-2402, Citation of paper (6)
313. A. Cevik, Genetic programming based formulation of rotation capacity of wide flange beams, *Journal of Constructional Steel Research* (ISSN 0143-974X), vol. 63, issue 7, July 2007, pp. 884-893 - citation of article (4)
314. A. Cevik, Genetic programming based formulation of rotation capacity of wide flange beams, *Journal of Constructional Steel Research* (ISSN 0143-974X), vol. 63, issue 7, July 2007, pp. 884-893 - citation of paper (7)
315. A. Cevik, Genetic programming based formulation of rotation capacity of wide flange beams, *Journal of Constructional Steel Research* (ISSN 0143-974X), vol. 63, issue 7, July 2007, pp. 884-893 -citation of paper (6)
316. Gardner, L. Chan, T.M, Cross-section classification of elliptical hollow sections, *Steel and Composite Structures* (ISSN 1229-9367), Volume 7, Issue 3, June 2007, Pages 185-200, Citation of paper (179)
317. Bunus, P., Automating the Selection of Numerical Solvers, *Journal on Developments and Trends in Modelling and Simulation, SNE, Simulation News Europe* 17/1 April 2007, ISSN 0929-2268, 3-12, citation of paper (49)
318. Bambach, M.R., Rasmussen, K.J.R., Ungureanu, V., Inelastic behaviour and design of slender I-sections in minor axis bending, *Journal of Constructional Steel Research* 63 (1), pp. 1-12, 2007, citation of paper (174)
319. Liu, B., Wang, L., Jin, Y.-H., Advances in differential evolution, *Kongzhi yu Juce/Control and Decision* 22 (7), pp., 721-729, 2007, citation of paper (15)
320. Das, S., Konar, A., Chakraborty, U.K. Annealed differential evolution, *2007 IEEE Congress on Evolutionary Computation, CEC 2007*, art. no. 4424709, pp. 1926-1933, citation of paper (15)
321. Huang VL, Qin AK, Suganthan PN, et al., Multi-objective optimization based on self-adaptive differential evolution algorithm, *Procs. IEEE Congress on Evolutionary Computation*, Sep 25-28, 2007 Singapore, Vols. 1-10, pages: 3601-3608 Published: 2007, citation of paper (15)
322. Mark W. Giesbrecht, Ilias Kotsireas, Austin Lobo, Symbolic computations as Grid and Web services, *ACM Communications in Computer Algebra*, Volume 41, Issue 1-2 (March-June 2007 issues 159-160), 52 - 53, 2007, citation of (115)
323. Liu, B., Wang, L., Jin, Y.-H. Advances in differential evolution, *Control and Decision*, Volume 22, Issue 7, July 2007, Pages 721-729, citation of paper (15)
324. Bacu, V., Gorgan, D., Resource measurements for water detection algorithm in MedioGrid architecture, *ISPDC 2007*, IEEE Computer Press, Article number 4271907, citation of article (123)
325. A Plaza, J Plaza, A Paz, S Blazquez, Parallel CBIR System for Efficient Hyperspectral Image Retrieval from Heterogeneous Networks of Workstations, in *Procs. SYNASC 2007*, pp. 285-291, 2007, citation of paper (116)
- 2006 326. Bycul, R.P., Myszkowski, P., A Computer Aided Global Linearization of a Non-Linear Electric circuit, *Parallel Computing in Electrical Engineering*, 2006. PAR ELEC 2006. pp. 461 - 465, citation of article (58)
327. Luna, F., Nebro, A.J., Alba, E., Parallel evolutionary multiobjective optimization, *Studies in Computational Intelligence* Volume 22, 2006, Pages 33-56, citation of paper (15)
328. Ye, S., Qin, X., Cai, H., Research on fuzzy kohonen neural network for fuzzy clustering, *LNCS 4101*, pp. 219-224, 2006, citation of (11)
329. Vitaly Feotsitov. Differential evolution: In search of Solutions, *Series Optimization and its applications* vol. 5, 2006, ISBN 978-0-387-36896-2, citation of paper (15)
330. Bunus, P., A Simulation and Decision Framework for Selection of Numerical Solvers in Scientific Computing, *Procs. ANSS 2006, IEEE Computer Press*, 2006, 178-187, citation of paper (49)
331. Girao Coelho, A.M., Simoes Da Silva, L., Bijlaard, F.S.K., Finite-element modeling of the nonlinear behavior of bolted T-stub connections, *Journal of Structural Engineering* 132 (6), pp. 918-928, 2006, citation of paper (258)
332. Guzelbey, I.H., Cevik, A., Gogus., M.T., Prediction of rotation capacity of wide flange beams using neural networks, *Journal of Constructional Steel Research* 62 (10), pp. 950-961, 2006 citation of paper (6) and paper (7)
333. Manganiello, M., De Matteis, G., Landolfo, R., Inelastic flexural strength of aluminium alloys structures, *Engineering Structures* 28 (4), pp. 593-608, 2006, citation of paper (6)
334. Guzelbey, I.H., Cevik, A., Gogus., M.T., Prediction of rotation capacity of wide flange beams using neural networks, *Journal of Constructional Steel Research* 62 (10), pp. 950-961, 2006 citation of paper (4)
335. Ferreira, L.V., Kaszkurewicz, E., Bhaya, A.S, Parallel implementation of gradient-based neural networks for SVM training, *IEEE International Conference on Neural Networks - Conference Proceedings* 2006, Article number 1716112, Pages 339-346 citation of (259)
336. Miklos Ivanyi, Ductility of steel structures: The model of interactive hinge, *Journal Pollack Periodica, Publisher Akademiai Kiado*, ISSN 1788-1994, Volume 1, Number 1 / April 2006, Pages 5-34, citation of paper (6)

337. Jaroslaw Forenc, Time Domain Decomposition in Parallel Analysis of Transient States, International Symposium on Parallel Computing in Electrical Engineering (PARELEC'06), pp. 295-300, citation of (259)
338. Rendzinyak, S., Korud, A., Simulation Features of Electric Circuits with Components Described by Discrete Parameters, Modern Problems of Radio Engineering, Telecommunications, and Computer Science, 2006. TCSET 2006. International Conference Publication, 127-128, ISBN: 966-553-507-2, citation of (259)
339. K. Zielinski, P. Weitkemper, R. Laur., K.D. Kammeyer, Examination of Stopping Criteria for Differential Evolution based on a Power Allocation Problem, Procs. 10th International Conference on Optimization of Electrical and Electronic Equipment, volume 3, pages 149-156, 2006, citation of paper (15)
340. Yaroslav Sergeyev, Computer system for storing infinite, infinitesimal, and finite quantities and executing arithmetical operations with them, European Patent EP1728149, 2006, cited of article (128)
- 2005 341. Forenc, J., Jordan, A., Tudruj, M., Parallel modeling of transient states analysis in electrical circuits, LNCS 3666, 2005, pp. 512-519, citation of (259)
342. Forenc, J., Walendziuk, W., Application of the speculative method to analysis of the dynamics of an asynchronous slip-ring motor, 2005, Proceedings of SPIE - The International Society for Optical Engineering 5775, pp. 414-421, 2005, citation of (259)
343. Forenc, J., A new approach to the speculative method for the transient states analysis, Proceedings of SPIE - The International Society for Optical Engineering 5775, pp. 406-413, citation of (259)
344. J Forenc, W Walendziuk, A Jordan, Application of the Runge-Kutta-Fehlberg Method in the Speculative Method of Transient States Concurrent Information Processing And Computing, 2005 - books.google.com Concurrent Information Processing and Computing 271 D. Grigoras and A. Nicolau (Eds.) IOS Press, 2005, citation of (259)
345. Jordan, A., Forenc, J., Tudruj, M., Speculative parallel processing applied to modelling of initial problems, COMPEL - The International Journal for Computation and Mathematics in Electrical and Electronic Engineering Volume 24, Issue 1, 2005, Pages 127-144 citation of (259)
346. A Jordan, P Myszkowski, Parallel Version of the Global Linearization Method - Concurrent Information Processing And Computing, 2005 - books.google.com Concurrent Information Processing and Computing 301 D. Grigoras and A. Nicolau (Eds.) S Press, 2005 IOS Press. citation of (259)
347. K. Zielinski, D. Peters, R. Laur: "Stopping Criteria for Single-Objective Optimization", Proceedings of the Third International Conference on Computational Intelligence, Robotics and Autonomous Systems, 2005, Singapore, citation of paper (199)
- 2004 348. H. Ciocarlie, Real-Time Concepts Implemented in. Distributed System Programming Languages, in Procs. SACI 2005. Citation of (284)
349. Andrzej Jordan, Pawel Myszkowski, The Parallel Computations for the Linear State Equations, Procs. PARELEC04, 143-145, 2004, IEEE Computer Press, citation of (259)
350. Jaroslaw Forenc, Andrzej Jordan, The Modified Speculative Method for the Transient States Analysis, Procs. PARELEC04, 189- 193, 2004, IEEE Computer Press, citation of (259)
351. Beg, D., Zupancic, E., Vayas, I., On the rotation capacity of moment connections, Journal of Constructional Steel Research 60 (3-5), pp. 601-620, 2004, citation of paper (6)
352. Forenc, J., Jordan, A., The modified speculative method for the transient states analysis, International Conference on Parallel Computing in Electrical Engineering: Workshop on System Design Automation, SDA, PARELEC 2004, pp. 189-193, citation of (259)
353. Jordan, A., Myszkowski, P., Radzic, K., The parallel computations for the linear state equations, International Conference on Parallel Computing in Electrical Engineering: Workshop on System Design Automation, SDA, PARELEC 2004, pp. 143-145, 2004, citation of (259)
354. Ungureanu, V., Dubina D, Post-elastic Strength and Ductility of Cold-formed Steel Sections, in Procs. 4th In. Conf. on Thin-walled Structures. Advances in Research. IOP Publishing, 2004, citation of paper (174)
355. H. Ciocarlie, The Characteristic Features of a Concurrent Language Implementation in Distributed Environment, in Procs. Intern. Conf. on Computational Intelligence, 2004. Citation of (284)
- 2003 356. Wolfgang Schreiner, Christian Mittermaier, Karoly Bosa, "Distributed Maple: Parallel Computer Algebra in Networked Environments" , Journal of Symbolic Computation, Vol. 35, No. 3, Academic Press, 305-347, 2003, ISSN: 0747-7171 citation of (20)
357. Stojadinovic, B., Stability and low-cycle fatigue limits of moment connection rotation capacity, Engineering Structures 25 (5), pp. 691-700, 2003, citation of paper (7)
358. Stojadinovic, B., Stability and low-cycle fatigue limits of moment connection rotation capacity, Engineering Structures 25 (5), pp. 691-700, 2003 citation of paper (6)
359. Lee, K., Stojadinovic, B., Seismic bracing requirements for US steel moment connections, Proceedings - Annual Technical Session, Structural Stability Research Council, pp. 85-104, 2003, citation of paper (6)
360. Sanchez-Ricart L, Plumier A, Seismic performance of ductile steel moment resisting frames designed according to Eurocode 3 and Eurocode 8 - First step for Eurocode 8 calibration, Procs. STESSA 2003, pp. 567-575, citation of paper (6)
361. P. Stakhiv, S. Rendzinyak, B. Krupskyy, Parallelization of Diacoptic Methods for Multiprocessor Computing Systems, Bulletin of the Polish Academy of Sciences, Technical Sciences, vol. 51, no. 4, 2003, pp 381-394, citation of (259)
362. Ivanyi M, Advanced target model for the ductility analysis of steel frames, Procs. 5th International Colloquium on Stability and Ductility of Steel Structures, 2002, pp. 353-361, citation of citation of paper (6)
- 2001 363. Elchalakani, M., Zhao, X.L., Grzebieta, R.H., Concrete-filled circular steel tubes subjected to pure bending, Journal of Constructional Steel Research 57 (11), pp. 1141-1168, 2001, citation of paper (6)
- 2000 364. K.E. Barth, D.W. White, B.M. Bobb, Negative bending resistance of HPS70W girders, Journal of Constructional Steel Research 53, 2000, 1-31, Elsevier Science Ltd., citation of paper (6)
365. C.J. Earls, Influence of material effects on structural ductility of compact I-shaped beams, Journal of Structural Engineering 126, no. 11, 2000, 1268-1279, American Society of Civil Engineering, citation of paper (180)
366. C.J. Earls, Geometric factors influencing structural ductility in compact I-shaped beams, Journal of Structural Engineering 126, no. 7, 2000, 780-789, American Society of Civil Engineering, citation of paper (180)
367. Ioannis Vayas, Interaction between local and global properties, in Moment Resistant Connections of Steel Frames in Seismic Areas – Design and Reliability, ed. F.M. Mazzolani, E& FN Spon, London, 2000, 409-458, citation of paper (6)
368. Gianfranco De Matteis, Raffaele Landolfo, Dan Dubinã, Aurel Stratan, Influence of the structural typology on the seismic performance of steel framed buildings, in Moment Resistant Connections of Steel Frames in Seismic Areas – Design and Reliability, ed. F.M. Mazzolani, E& FN Spon, London, 2000, 513-538, citation of paper (6)
369. Jean-Marie Aribert, Daniel Grecea, The base shear force approach, in Moment Resistant Connections of Steel Frames in Seismic Areas – Design and Reliability, ed. F.M. Mazzolani, E& FN Spon, London, 2000, 599-616, citation of paper (183)
370. D.Dubinã, Recent research advances and trends on coupled instability of bar members, in Coupled Instabilities in metal Structures, eds. D. Comtin, D. Dubinã, J. Rondal, Imperial College Press, London, 2000, 131-144, citation of paper (174)
371. Dubina, D., Ungureanu, V., Elastic-plastic interactive buckling of thin-walled steel members, Proceedings - Annual Technical Session, Structural Stability Research Council, pp. 199-217, 2000, citation of paper (174)
372. Scheiber Ernest, A multistep method to solve the initial value problem. The 4th Romanian-German Seminar on Approximation Theory and its Applications. Brasov, 2000 (ed. H. Gonska, D. Kacso, L. Beutel) Gerhard Mercator Universitat, Duisburg, 124-132 citation of (259)
- 1999 373. C. J. Earls, Factors influencing ductility in high performance steel I-shaped beams, in Stability and Ductility of Steel Structures, eds. D. Dubinã & M. Iványi, Elsevier Science Ltd., Amsterdam, 1999, 269-278, citation of paper (180)
374. A. R. Kemp, A limit-states criterion for ductility of class 1 and 2 composite and steel beams, in Stability and Ductility of Steel Structures, eds. D. Dubinã & M. Iványi, Elsevier Science Ltd., Amsterdam, 1999, 291-298, citation of paper (6)
375. G.de Matteis, R. Landolfo, F.M. Mazzolani, L.A. Fulop, D. Dubinã, Seismic response of MR steel frames with different connection behaviours, in Stability and Ductility of Steel Structures, eds. D. Dubinã & M. Iványi, Elsevier Science Ltd., Amsterdam, 1999, 409-420, citation of paper (6)
376. I.Vayas, N.Rangelov, T.Georgiev, Slenderness requirements for the classification of beams with cross sections (Slankheitsanforderungen zur Klassifizierung von Trägern aus I-Querschnitten), Stahlbau 68, Heft 9, 1999, 713-724, Ernst & Sohn, citation of paper (6)
- 1997 377. J.M. Aribert, D. Grecea, A new method to evaluate the q-factor from elastic-plastic dynamic analysis and its application to steel frames, in Behaviour of Steel Structures in Seismic Area, eds. Mazzolani & Akiyama, Edizioni 10/17, Salerno, 1997, 382-393, citation of paper (183)
378. J.M. Aribert, D. Dubinã, D. Grecea, F. Dinu, Parametrical study on a new method for Q-factor evaluation, in Behaviour of Steel Structures in Seismic Area, eds. Mazzolani & Akiyama, Edizioni 10/17, Salerno, 1997, 394-401, citation of paper (183)
- 1996 379. M. Pignatario, Theoretical backgrounds, in Coupled Instabilities in Metal Structures, eds. J. Rondal, D. Dubinã, V. Gioncu, Imperial College Press, London, 1996, 3-14, citation of paper (180)

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Ratified The foundational GS1 standard that defines how identification keys, data attributes and barcodes must be used in business applications. Change Log in this release. Impact on section. 1 2. Gens Specs Change Notification (GSCN). GSCN for 18-346 GSCN for 19-012 GSCN for 19-077. 3 GSCN for 18-087 GSCN for 19-012 GSCN for 19-060 GSCN for 19-077.