

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. Izbașa *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
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- 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*
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- 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)
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1 SECTION 1. IDENTIFICATION Product Identifier Recommended Use Concentrated hard surface cleaner and disinfectant.
Manufacturer/Supplier Virox Technologies Inc., 2770 Coventry Rd., Oakville, ON, L6H 6R1, Emergency Phone No. Virox Technologies Inc., SDS No SECTION 2. HAZARDS IDENTIFICATION Acute toxicity (Oral) - Category 5; Skin corrosion/irritation-category 3; GHS Classification 1 Identification Product Name: Basamid Granular Soil Fumigant Other Names: Dazomet 3,5-dimethyl-1,3,5-thiadiazinane-2-thione;tetrahydro-3,5dimethyl-1,3,5-thidiazine-2-thione Avoid released to the environment. Refer to special instructions (see sections 6, 7, 13). Composition / Ingredients Identity (Other Names) Dazomet Other Ingredients not classified as hazardous CAS Number 533-74-4 Proportion 940 g/kg 60 g/kg 4 First Aid Measures If poisoning occurs, contact a doctor or Poisons Information Centre. An identity document (also called a piece of identification or ID, or colloquially as papers) is any document which may be used to prove a person's identity. If issued in a small, standard credit card size form, it is usually called an identity card (IC, ID card, citizen card), or passport card. Some countries issue formal identity documents, as national identification cards which may be compulsory or non-compulsory, while others may require identity verification using regional identification or