Nr. înregistrare: 66754/02.12.2021

DOSAR DE CANDIDATURĂ

la funcția de

DECAN

al Facultății de Matematică și Informatică

din Universitatea de Vest din Timișoara

Prof. Dr. Dana PETCU

Decembrie 2021

Timișoara

Cuprins

1. Declarația de candidatură
2. CV
3. Lista de lucrari
4. Program managerial
5. Lista propunerilor privind functiile de prodecani
6. Angajamentul privind efectuarea a cel putin 25 de ore de activitate managerială, pe săptămână, în facultate
7. Declaratia pe propria răspundere în legatură cu existența sau inexistența calitătii de lucrător al Securității sau de colaborator al acesteia

Declarație de candidatură

Subsemnata, Dana PETCU, prof. dr. la Departamentul de Informatică a Facultății de Matematică și Informatică, Universitatea de Vest din Timișoara, prin prezenta îmi depun candidatura la funcția de Decan al Facultății de Matematică și Informatică.

Dosarul conține documentele solicitate prin Art. 7 al Regulamentului privind organizarea și desfășurarea concursurilor pentru functia de decan în Universitatea de Vest din Timișoara pentru mandatul 2020-2024.

Prof. Dr. Dana Petcu

Timișoara, Decembrie 2021

Curriculum vitae and scientific activity
Dana PETCU

December 1, 2021

Chapter 1
Identification

Personal data

Date and place of birth:	[redacted]imişoara, Romania
Marital status:	Divorced, one child (Paula Petcu)
Birth name:	Dana Gioncu
Languages:	Romanian, English, German, French

Contacts

Address: B-dul Vasile Pârvan 4, 300223 Timişoara, Romania, Skype: dana.petcu, http://staff.fmi.uvt.ro/~dana.petcu, tel:+40-256-592-370,fax:-136/+40-256-244834, e-mails: Dana.Petcu@e-uvt.ro, petcu@info.uvt.ro, dana@ieat.ro

IDs in research indexing services

As author – all fields: Scopus 6603604868, WoS C-2889-2011, Google Scholar 7_-VBTkAAAAJ, ResearchGate Dana_Petcu, ORCID 0000-0002-4773-770X, Mendeley dana-petcu,
As author – domain specific: ACM Digital Library 81312484560, DBLP Petcu:Dana.html, Microsoft Academic 931727, zbMATH petcu.dana,
As reviewer: publons 1199003

Experience

Education

MSc studies	Computer Science	University of Timişoara	September 1984 - June 1988
Tempus	PhD scholarships	University of Heidelberg	Spring Semesters of 1992 & 1993
PhD studies	Numerical Analysis	West University of Timişoara	December 1991 - May 1994

Research experience

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

Teaching experience

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

Positions

West University of Timişoara (UVT)	Assistant 1990-1994, Lecturer 1994-1997, Associate Professor 1997-2003, Professor 2003-present, PhD Advisor 2005-present
Bega-Pam, Timişoara	Programmer 1990
IURT Lugoj	Programmer 1988-1990

Management experience

Director	Institute e-Austria Timişoara, IeAT	2002-present
	Master studies in Software Engineering, UVT	2010-present
	Computer Science Department, UVT	2008-2011
	Undergraduate studies on Computer Science, UVT	2004-2008
	PhD studies in Computer Science, UVT	2012-2016
President	CSCCU - Scientific Council for Research and Creation of the University, UVT	2013-2014
	Senate Commission for International Relationships, UVT	2013-2015
	Senate Commission for PhD and Postdoc studies, UVT	2020
Vice-rector	International Relationships, UVT	2016-2018
	Research and Innovation, UVT	2018-2020
	Director of University Council for PhD Studies, UVT	2020-2021

Expert evaluator

European Commission	FP6-IST, FP7-ICT/Capacities/People, ESF, INTAS, H2020-ICT/INFRA, HE-CL4/INFRA
Foreign countries (RDI)	Bulgaria,Czech,Hungary,Irland,Italia,Poland,Portugal,Norvegia,Russia,Belgia,Chile,Serbia
Romanian	CNCSIS (2001-2004), CEEX (2005-2007), PNII (2008-2015), PNIII (2017-2021)
PhD defence commitees	Romania, Ireland, Spain, Italy, UK

Membership

Professional associations

IEEE Society Affiliate; IT History Society; INSTICC

Professional groups

Cloud Computing Expert Group of the European Commission, 2011 – 2015
OW2, open source community, 2013 – present
Coordination of the collaboration activities of Cloud related EC-funded projects: Novel approaches and technologies for Cloud resource and service management (NATRES) - 2017
IEEE Computer Society Special technical Community on Dew Computing, (DewCom STC), 2018 – present

Domain Expert for Romanian Delegations at European forums

FP7-ICT Committee (2007-2013), Committee for CIP (2007-2008), COST programme - ICT Domain (2007-2008)
e-IRG (2008-2015), e-Infrastructure Policy Forum (2011-2013), PRACE Council (2014-2018)

Awards

International:	Maria Sybilla Merian Award, 2005;
	IBM Faculty Award, 2009
National:	ANCS award for the Romanian contribution to FP6 programme, 2006;
	MLNR Award "Spiru Haret", for the Cloud related papers from 2014, June 2015;
	Romanian Academy Award "Gheorghe Cartianu" for the FGCS paper from 2013, December 2015

Chapter 2 Publications

2.1 Journal papers

2.1.1 Journal papers with impact factor and indexed in Web of Science (WoS)

Note: Impact factor (IF) and Article Influence Score (AIS) as registered in the year of publication. Categories according to the IF or AIS: Q1:▪ (best 25%), Q2:▪ (best 50%), Q3/4:▪ in WoS. Number of citations (cits:) as exposed in section 4.1 of this document.

Elsevier journals

2013 2.1 D.Petcu,G.Macariu,S.Panica,C.Craciun, *Portable Cloud Applications-from Theory to Practice*, Future Generation Computer Systems 29 (6), 2013, 1417-1430, WoS: 000319235600010, doi: 10.1016/j.future.2012.01.009 (IF: 2.639▪, AIS: 0.562▪, cits:179)

2012 2.2 D. Petcu, S. Panica, M. Frincu, M. Neagul, D. Zaharie, G. Macariu, D. Gorgan, T. Stefanut, *Experiences in building a Grid-based platform to serve Earth observation training activities*, Computer Standards & Interfaces 34, 2012, 493-508, WoS: 000306771800005, doi: 10.1016/j.csi.2011.10.010 (IF: 0.978▪, AIS: 0.41▪, cits:3)

2005 2.3 D. Petcu, *The performance of parallel iterative solvers*, Computers & Mathematics with Applications 50, 2005, 1179-1189, WoS: 000232326400020, doi: 10.1016/j.camwa.2005.08.018 (IF: 0.43▪, AIS: –, cits:4)

2003 2.4 D. Petcu, V. Gioncu, *Computer program for available ductility analysis of steel structures*, Computers & Structures, 81 (22-23), 2003, 2149-2164, WoS: 000185409800003, doi: 10.1016/S0045-7949(03)00296-7 (IF: 0.634▪, AIS: –, cits:11)

2001 2.5 D. Petcu, *Experiments with an ODE Solver on a Multiprocessor System*, Computers & Mathematics with Applications 42 (8-9), 2001, 1189-1199, WoS: 000170803800016, doi: 10.1016/S0898-1221(01)00232-2 (IF: 0.383▪, AIS: –, cits:2)

1997 2.6 V.Gioncu,D.Petcu,*Available rotation capacity of wide-flange beams and beam-columns.Part 1.Theoretical approaches*, Journal of Constructional Steel Research 43 (1-3), 1997, 161-217, WoS: A1997YE87600008, doi: 10.1016/S0143-974X(97)00044-8 (IF: 0.259▪, AIS: –, cits:109)

2.7 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 43 (1-3), 1997, 219-244, WoS: A1997YE87600009, doi: 10.1016/S0143-974X(97)00045-X (IF: 0.259▪, AIS: –, cits:57)

Springer journals

2019 2.8 I. Drăgan, G. Iuhasz, D. Petcu, A Scalable Platform for Monitoring Data Intensive Applications, Journal of Grid Computing, September 2019, Volume 17, Issue 3, pp 503–528, WoS: 000487125900005 doi: 10.1007/s10723-019-09483-1 (IF:2.095▪, AIS:0.482▪, cits:2)

2014 2.9 D. Petcu, *Consuming Resources and Services from Multiple Clouds: From Terminology to Cloudware Support*, Journal of Grid Computing 12 (2), 321-345, 2014, WoS: 000339887600008, doi: 10.1007/s10723-013-9290-3 (IF:1.507▪, AIS:0.366▪, cits:100)

2013 2.10 V. Stankovski, D. Petcu, *Developing a Model Driven Approach for engineering applications based on mOSAIC. Towards Sharing Elastic Components in the Cloud*, Cluster Computing 17 (1), 2013, 101-110, WoS: 000333111000006, doi: 10.1007/s10586-013-0263-x (IF: 0.949▪, AIS:0.421▪, cits:4)

2012 2.11 N.M. Calcavecchia, B.A.Caprarescu, E. Di Nitto, D. J. Dubois, D. Petcu, *DEPAS: A Decentralized Probabilistic Algorithm for Auto-Scaling*, Computing 94 (8-10), 701-730,WoS: 000307971700005, doi: 10.1007/s00607-012-0198-8 (preliminary: Technical Report 2012.5 [275]) (IF: 0.807, AIS: 0.643, cits:41)

Other journals with IF and indexed in WoS

2015 2.12 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 27 (9), 2443-2469, 2015, WoS: 000355001700016, doi: 10.1002/cpe.3175 (IF: 0.942, AIS: 0.338 cits:2)

2014 2.13 A. Agathos, J. Li, D. Petcu, A. Plaza, *Multi-GPU Implementation of the Minimum Volume Simplex Analysis Algorithm for Hyperspectral Unmixing*, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing 7 (6), 2281-2296, 2014,WoS: 000340621200037, doi: 10.1109/JSTARS.2014.2320896 (IF: 3.026, AIS: 0.821 cits:37)

2.14 J.Južna,P.Češarek,D.Petcu,V.Stankovski, *Solving Solid and Fluid Mechanics Problems in the Cloud with mOSAIC*, Computing in Science & Engineering 16 (4), 68-77, 2014, WoS: 000337263400008, doi: 10.1109/MCSE.2013.135 (IF: 1.248, AIS: 0.725, cits:3)

2010 2.15 D. Gorgan, V.Bacu, D.Rodila, F.Pop, D. Petcu, *Experiments on ESIP-Environment oriented satellite data processing platform*, Earth Science Informatics 3 (4), 2010,WoS: 000286014500011, doi: 10.1007/s12145-010-0065-0 (IF: 0657, AIS: 0.121, cits: 8)

2006 2.16 D. Petcu, C. Bonchiş, C. Izbaşa *Symbolic Computations based on Grid Services*, Int. Journal of Computers, Communications and Control, vol. 1, no. 1, 2006, 44-50, ISSN 1841-9836, doi: 10.15837/ijccc.2006.1.2270 (IF: 1.374, AIS: 0.159)

2005 2.17 D.Petcu, C.Popa, *A new version of Kovarik's approximate orthogonalization algorithm without matrix inversion*, International Journal of Computer Mathematics 82 (10), 2005, 1235-1246,WoS: 000232207600007, doi: 10.1080/00207160512331331174, Taylor & Francis Ltd (IF: 0.254, AIS: –, cits:4)

2.1.2 Papers that are WoS related

Papers in Springer LNCS series with IF

2005 2.18 D. Petcu, M. Paprzycki, M. Ganzha, *Clustering Multiple and Cooperative Instances of Computational Intensive Software Tools*, LNCS 3606, ISSN 0302-9743, 452-456, WoS: 000232251100040, doi: 10.1007/11535294_40, 2005 (IF: 0.402, AIS: –, cits:1)

2.19 C. Bonchiş, G. Ciobanu, C. Izbaşa, D. Petcu, *A Web-Based P Systems Simulator and Its Parallelization*, LNCS 3699, ISSN 0302-9743, 58-69, WoS: 000233391700007, doi: 10.1007/11560319_7, 2005 (IF: 0.402, AIS: –, cits:5)

2004 2.20 D.Petcu, D.Dubu, M.Paprzycki, *Towards a Grid-aware Computer Algebra System*, LNCS 3036, ISSN 0302-9743, 490-495, 2004, WoS: 000222043200073, doi: 10.1007/978-3-540-24685-5_73, (IF: 0.513, AIS: –)

2.21 D.Petcu, D.Dubu, M.Paprzycki, *A Grid-based parallel Maple*, LNCS 3241, ISSN 0302-9743, WoS: 000224114000027, doi: 10.1007/978-3-540-30218-6_33, 215-223, 2004 (IF: 0.513, AIS: –, cits:1)

2002 2.22 D. Petcu, H. Popa, D.Ţepeneu, *A user-level interface for clustering mathematical software kernels*, LNCS 2336, ISSN 0302-9743, WoS: 000181350300017, doi: 10.1007/3-540-47840-X_17, 2002, 175-182 (IF: 0.515, AIS: –)

2.23 D. Petcu, *Solving large systems of differential equations with PAVIS*, LNCS 2328, ISSN 0302-9743, 2002, 437-445, WoS: 000180067200048, doi: 10.1007/3-540-48086-2_48, (IF: 0.515, AIS: –, cits:1)

2001 2.24 D.Petcu, *Numerical Solution of ODEs with Distributed Maple*, LNCS 1988, 0302-9743, 2001, 666–674, WoS: 000174201600079, doi: 10.1007/3-540-45262-1_79 (IF: 0.415, AIS: –, cits:3)

2.25 D. Petcu, *Solving initial value problems with parallel Maple processes*, LNCS 2150, ISSN 0302-9743, 2001, 926-934, doi: 10.1007/3-540-44681-8_129 (IF: 0.415, AIS: –, cits:1)

2000 2.26 D.Petcu, *PVMaple: A Distributed Approach to Cooperative Work of Maple Processes*, LNCS 1908, ISSN 0302-9743, 2000, 216-224, WoS: 000171904500031, doi: 10.1007/3-540-45255-9_31 (IF: 0.39, AIS: –, cits:5)

1999 2.27 D.Petcu, *Solving Initial Value Problems with a Multiprocessor Code*, LNCS 1662, ISSN 0302-9743, 1999, 452-466, WoS: 000165174100047, doi: 10.1007/3-540-48387-X_47 (IF: 0.872, AIS: –, cits:1)

Papers in journals currently indexed in WoS with AIS

2006 2.28 D.Petcu, C. Bonchiş, M. Radu, *Applying Task Farming Model over Grids*, Int. Journal of Computers, Communications and Control, vol. 1, supplement: S, 2006, 371-375, WoS: 000203014800062, link ()

2005 2.29 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, doi: 10.1155/2005/653638 (, cits: 5)

2.30 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, 31-36 link ()

1994 2.31 D.Petcu, *A parallel algorithm for stiff ordinary differential equations*, Informatica, Vilnius, 1994, vol.5, no. 3-4, ISSN 0868-4952, doi: 10.3233/INF-1994-53-408, 373-384 ()

1993 2.32 D.Petcu, *On the Kantorovich Hyphothesis for Newton's Method*, Informatica, Vilnius, 1993, vol. 4, no. 1-2, ISSN 0868-4952, doi: 10.3233/INF-1993-41-213, 188-198 (, cits: 3)

Papers in journals currently indexed in WoS with IF

2014 2.33 V.I.Munteanu,C.Şandru,D.Petcu,*Multi-cloud resource management: cloud service interfacing*, J.Cloud Computing: Advances, Systems & Applications,2014,3:3,ISSN 2192-113X, WoS: 000215563500003, doi: 10.1186/2192-113X-3-3 (cits: 32)

2013 2.34 D. Petcu, B. Di Martino, S. Venticinque, M. Rak, T. Máhr, 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 2 (1), 2:12, Springer, 2013 ISSN: 2192-113X, WoS: 000215562800012, doi: 10.1186/2192-113X-2-12 (cits: 89)

Papers in journals currently indexed in Emerging Sources Citation Index from WoS

2021 2.35 D. Kimovski, R. Mathá, G. Iuhasz, F. Marozzo, D. Petcu, R. Prodan, Autotuning of exascale applications with anomalies detection, Frontiers in Big Data, eISSN 2624-909X, Oct 2021 doi: 10.3389/fdata.2021.657218

2.36 D. Petcu, Service Deployment Challenges in Cloud-to-Edge Continuum, Scalable Computing: Practice and Experience, Vol.

22, issue 3, 313-320, Nov 2021, WoS: 000721262900004, doi: 10.12694/scpe.v22i3.1941

2020 2.37 T. Trieu, D. Petcu, Building a hierarchy of user's needs for learner-centered education applications, International Journal of Computer Science and Network Security, 2020, vol. 20, no. 8, 119-124, WoS: 000577887900012, doi: 10.22937/IJCSNS.2020.20.08.12

2015 2.38 D. Petcu, G. Iuhasz, D. Pop, D. Talia, J. Carretero, R. Prodan, T. Fahringer, I. Grasso, R. Doallo, M.J. Martín, B. B. Fraguela, R. Trobec, M. Depolli, F. Almeida Rodriguez, F. de Sande, G. Da Costa, J.-M. Pierson, S. Anastasiadis, A. Bartzokas, C. Lolis, P. Gonçalves, F. Brito, N. Brown, *On Processing Extreme Data*, Scalable Computing: Practice and Experience, vol. 16, issue 4, 2015, 467-489, WoS: 000371914800009, doi: 10.12694/scpe.v16i4.1134 (cits: 2)

2014 2.39 D. Petcu, A.V. Vasilakos, *Portability in Clouds: Approaches and Research Opportunities*, Scalable Computing: Practice and Experience, Vol 15, Issue 3, 2014, 251-270, WoS: 000420411800005, doi: 10.12694/scpe.v15i3.1019 (cits: 60)

2012 2.40 D. Petcu, *A Panorama of Cloud Services*, Scalable Computing: Practice and Experience 13 (4), 2012, 303-314, WoS: 000420402800004, link (cits: 4)

2010 2.41 M. E. Frîncu, D. Petcu, *OSyRIS: a Nature Inspired Workflow Engine for Service Oriented Environments*, Scalable Computing: Practice and Experience, vol. 11, no. 1, ISSN 1895-1767, 2010, 81-97, WoS: 000420382700009, link (cits: 5)

2008 2.42 D. Petcu, A. Cârstea, G. Macariu, M. Frîncu, *Service-oriented Symbolic Computing with SymGrid*, Scalable Computing: Practice and Experience, vol. 9, no. 2, ISSN 1895-1767, 2008, 111-124, WoS: 000420375500004, link

2006 2.43 D. Petcu, D. Vizman and M. Paprzycki, *Heuristic Load Balancing for CFD Codes Executed in Heterogeneous Computing Environments*, Scalable Computing: Practice and Experience 7 (2), 2006,15-23, WoS: 000420364700003, link (cits: 3)

2.44 D. Petcu, *A Parallel Rule-based System and Its Experimental Usage in Membrane Computing*, Scalable Computing: Practice and Experience, vol. 7, no. 3, ISSN 1895-1767, 2006, 39-49, WoS: 000420366100006, link (cits: 3)

2005 2.45 D.Petcu, *Speedup in solving differential equations on clusters of workstations*, International Journal Computational Science and Engineering, Vol.1, No.2/3/4, 2005, Inderscience Enterprises,134-141, ISSN 1742-7185, WoS: 000213111700007, doi: 10.1504/IJCSE.2005.009698 (cits: 2)

2.1.3 Papers in internationally refereed journals

2018 2.46 S. Panica, B. Irimie, D. Petcu, *Enabling and monitoring platform for cloud-based application*, International Journal of High Performance Computing and Networking, vol. 12, no. 4, 2018, 328-338 doi: 10.1504/IJHPCN.2018.10017914 (cits:2)

2015 2.47 G. Da Costa, T. Fahringer, J.-A. Rico-Gallego, I. Grasso, A. Hristov, H.D. Karatza, A. Lastovetsky, F. Marozzo, D. Petcu, G. L. Stavrinides, D. Talia, P. Trunfio, H. Astsatryan, *Exascale Machines Require New Programming Paradigms and Runtimes*, Supercomputing Frontiers and Innovations 2 (2), 6-27, 2015, doi: 10.14529/jsfi150201 (cits:26)

2.48 P. Bouvry, R. Mayer, J. Muszynski, D. Petcu, A. Rauber, G. Tempesti, T. Trinh, S. Varrette, *Resilience within Ultrascale Computing System: Challenges and Opportunities from Nesus Project*, Supercomputing Frontiers and Innovations vol 2, No. 2, 46-63, 2015, doi: 10.14529/jsfi150203

2.49 J. Carretero, S. Distefano, D. Petcu, D. Pop, T. Rauber, G. Rünger, D.E. Singh, *Energy-efficient Algorithms for Ultrascale Systems*, Supercomputing Frontiers and Innovations vol 2, No. 2, 77-104, 2015, doi: 10.14529/jsfi150205 (cits: 9)

2012 2.50 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*, ACM SIGOPS Operating Systems Review 46, doi: 10.1145/2331576.2331584, 2 2012, 43-56 (cits: 6)

2011 2.51 A. Carstea, M. Frincu, G. Macariu, D. Petcu, *Validation of SymGrid-services framework through event-based simulation*, Int. J. Grid and Utility Computing 2 (1), 2011, WoS: 000212389400004, doi: 10.1504/IJGUC.2011.039979 (cits: 2)

2010 2.52 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, link (cits: 10)

2008 2.53 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, doi: 10.1109/MDSO.2008.10 (cits: 3)

2.54 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, doi: 10.1109/MDSO.2008.13 (cits: 1)

2.55 D. Petcu, A. Eckstein, C. 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, ACM DL (cits: 3)

2.56 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, link (cits: 5)

2007 2.57 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, link (cits: 1)

2.58 D. Petcu, *Grid Services for Satellite Image Processing*, Transactions on Computers, Issue 2, Vol. 6, ISSN 1109-2750, 347-354, 2007 link (cits: 2)

2.59 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, link

2005 2.60 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, link

2002 2.61 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, 2002, ISSN 1072-3374, doi: 10.1023/A:1013560909786. Extension of [62]

1999 2.62 S. Maruster, V. Negru, D. Petcu, S. Calin, *Intelligent Front-End for Solving Differential and Non-Linear Equations Systems*, Zap. Nauchn. Sem. POMI, 1999, Volume 258, 318-334, link. Preliminary version of [61]

2.63 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 (cits: 3)

2.1.4 Papers in Romanian refereed journals

2012 2.64 D. Petcu, D. Zaharie, *Experience in Running a Computer Science Master's Programme in English. First Steps towards Internationalization* Quality Assurance Review for Higher Education, Vol. 4, Nr. 1, 2012, 5 - 13, link

2.65 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, no. 2, 2012, 41-51, link

2009 2.66 D. Petcu, A. Eckstein, A. Carstea, A. Craciun, *Mathematics on the net: state of the art and challenges*, Analele Universităţii din Timişoara, Seria Matematică-Informatică, vol. XLVII, 2, 2009, 95-116 link

2008 2.67 D. Petcu, S. Panica, *Document Conversions Using Grid-based e-Infrastructure for Digital Libraries*, Scientific Bulletin of Politehnica Univ. Timişoara, Transactions on Automatic Control and Computer Science 53 (67:3), 2008, 139-144, link

2006 2.68 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, ISSN 1220-1758, vol. 16, nr. 4, 2006, 113-120

2004 2.69 D.Petcu, *Software issues in solving initial value problems for ordinary differential equations*, Creative Mathematics, North University of Baia Mare, vol. 13, 2004, 97-110, link (cits: 5)

2.70 D. Petcu, *Building a computational grid: design issues*, Analele Ştiinţifice ale Universităţii "Alexandru Ioan Cuza" din Iaşi, Informatică, Tomul XV, 2004, 139-152.

2.71 C.Popa, D. Petcu, M. Petcu, *On Kovarik's Orthogonalization Algorithm without Matrix Inversion*, Sci. Bull. Politehnica Univ. Timişoara, Transactions on Automatic Control and Computer Science 49 (63), 2004, ISSN 1224-600X, 223-226

2.72 D.Petcu, D.Dubu, *Mapping general purpose scientific computing environments onto a computational grid*, Analele Universităţii din Timişoara, Seria Matematică-Informatică, vol. XLII, 2004, 197-212, link

2002 2.73 D.Petcu, C.Popa, *On the Parallel Implementation of Kovarik's Approximate Orthogonalization Algorithm*, Analele Universităţii din Timişoara, Seria Matematică-Informatică, vol. XL, 2002, 197-212, link

2.74 D. Petcu, *On the speedup of parallel iterative numerical methods*, Analele Ştiinţifice ale Universităţii "Al. I. Cuza" din Iaşi, Tomul XI, 2002, p. 304-317, link

2001 2.75 D.Petcu, D. Vizman, M. Popescu *Computational Fluid Dynamic on a Cluster*, Analele Universităţii din Timişoara, Seria Matematică-Informatică, vol. XXXIX, 2001, 171-180, link

2000 2.76 D.Petcu, *A prototype system for cooperative CAS tasks*, Analele Universităţii din Timişoara, Seria Matematică-Informatică, vol. XXXVIII, 2000, 125-140, link

1999 2.77 D. Petcu, *Parallel Solving Environment for ODEs*, Analele Universităţii din Timişoara, Seria Matematică-Informatică, vol. XXXVII, 1999, 45-57, link

2.78 D. Petcu, *Design of an User Interface for Mathematical Software*, Analele Universităţii din Timişoara, Seria Matematică-Informatică, vol. XXXVII, 1999, 137-142, link

1995 2.79 D.Petcu, *Implicit Runge-Kutta Methods on a Distributed Computational System*, Analele Universităţii din Timişoara, Seria Matematică-Informatică, vol. XXXIII, fasc. 2, 1995, 209-220, link

2.80 D.Petcu, L.Cucu, *Plotting Conics and Quadrics on a Distributed Computational System*, Analele Universităţii din Timişoara, Seria Matematică-Informatică, vol. XXXIII, fasc. 2, 1995, 221-231, link

1994 2.81 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, 197-216, ISSN 1220-6016

2.82 D.Petcu, *Parallel Algorithms for the Numerical Integration of Stiff ODE Systems*, Analele Universităţii din Timişoara, Seria Matematică-Informatică, vol. XXXII, fasc. 2, 1994, 65-81, link

1993 2.83 D.Petcu, *Modified Adams-Moulton Schemes for Solving Stiff Differential Equations*, Analele Universităţii din Timişoara, Seria Matematică-Informatică, vol. XXXI, fasc. 1, 1993, 101-112, link

2.84 D.Petcu, *Second Derivative Split Multistep Methods for Stiff Ordinary Differential Equations*, Analele Universităţii din Timişoara, Seria Matematică-Informatică, vol. XXXI, fasc. 2, 1993, 229-254, link

1992 2.85 D.Petcu, *One-step Discretization of Stiff Differential Equations*, Analele Universităţii din Timişoara, Seria Ştiinţe Matematice, vol. XXX, fasc. 1, 1992, 59-87, link

2.86 D.Petcu, *A Family of Multistep Linear Methods for Solving Stiff Ordinary Differential Equations*, Analele Universităţii din Timişoara, Seria Ştiinţe Matematice, vol. XXX, fasc. 2-3, 1992, 257-282, link

1990 2.87 D.Petcu, *Search Method For One-Dimensional Minimization*, Analele Universităţii din Timişoara, vol. XXVIII, fasc. 2-3, Seria Ştiinţe Matematice, 1990, 165-175, link

2.88 D.Petcu, *On the Error Estimate of Newton's Method for a Hölder Continuous F-derivate*, Analele Universităţii din Timişoara, vol. XXVIII, fasc. 2-3, Seria Ştiinţe Matematice, 1990, 149-163, link

1988 2.89 D.Petcu, *New Methods for Solving Stiff Differential Equation Systems*, Analele Universităţii din Timişoara, vol. XXVI, fasc. 3, Seria Ştiinţe Matematice, 1988, 67-72

2.2 Proceedings papers

Categories according CORE: A*▪, A▪, B▪, C▪

2.2.1 Proceedings from ACM

2013 2.90 D. Petcu, *Multi-Cloud: expectations and current approaches.* Procs. 2013 international workshop on Multi-cloud applications and federated clouds (MultiCloud/ICPE 2013), 1-6, doi: 10.1145/2462326.2462328, 2013 (cits: 147)

2012 2.91 D. Petcu, *How to build a reliable mOSAIC of multiple cloud services.* Procs. 1st European Workshop on Dependable Cloud Computing (EWDCC '12). Article 4 , 2012, doi: 10.1145/2365316.2365320 (cits: 4)

2.92 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 (cits: 7)

2008 2.93 D.Petcu, A. Eckstein, C. Giurgiu, *Reengineering a software system implementing parallel methods for differential equations*, 7th Int. Conf. Software Engineering, Parallel& Distributed Systs. (SEPADS), 2008, ISBN 9878-960-6766-42-8, 95-100, WoS: 000263783600013, ACM

2.94 S.Panica, D. Petcu, D. Zaharie, *Evolutionary multi-objective optimization on Grid environments*, Procs. PDCN▪ 2008, Parallel and Distributed Computing and Networks - 2008, ISBN 978-0-88986-713-0, 81-86, ACM (cits: 1)

2006 2.95 D.Petcu, *Automatic Generated Clients of Grid Services for Computational Fluid Dynamics*, Procs. MATH'06, 10th International Conference on Applied Mathematics, ISBN 960-8457-55-6, 96-101, ACM

2005 2.96 D.Petcu, M. Petcu, *Distributed Jess on a Condor Pool*, Procs. ICCOMP'05, 9th International CSCC Multiconference - Computers'05, ISBN: 960-8457-29-7, paper 497-315, ACM (cits: 7)

2.2.2 Springer's LNCS, conference proceedings, starting from 2006

2019 2.97 D. N. Doan, D. Zaharie, D. Petcu. *Auto-scaling for a Streaming Architecture on Clouds with Fuzzy Deep Reinforcement Learning*. Euro-Par 2019 Workshops, LNCS. Springer, doi: 10.1007/978-3-030-48340-1_37

2016 2.98 D.Petcu, *Service Quality Assurance in Multi-Clouds*, Economics of Grids, Clouds, Systems and Services, eds. G.C. Silaghi, J.Altmann,O.Rana,LNCS 9512,1-17,WoS: 000389717700006,doi: 10.1007/978-3-319-43177-2_6 (preliminary:[272],cits: 6)

2014 2.99 D. Petcu, *SLA-based Cloud Security Monitoring: Challenges, Barriers, Models and Methods*, L. Lopes et al. (Eds.), Euro-Par 2014 Workshops (I), LNCS 8805, 359-370, 2014, WoS: 000354783500031, doi: 978-3-319-14325-5_31 (cits: 8)

2.100 D. Petcu, H. González-Vélez, B. Nicolae, J.M. Garía-Gómez, E. Fuster-Garcia, C. Sheridan, *Next Generation HPC Clouds: A View for Large-Scale Scientific and Data-Intensive Applications*, in L. Lopes et al. (Eds.), Euro-Par 2014 Workshops, Part II, LNCS 8806, 26-37, 2014, WoS: 000354785000003, doi: 10.1007/978-3-319-14313-2_3 (cits: 3)

2.101 D. Petcu, *On the Management of Cloud Services in Multi-Clouds for Scientific Applications*, in Ivan Lirkov et al (eds.): LSSC 2013, LNCS 8353, WoS: 000345642700062, doi: 10.1007/978-3-662-43880-0_62, 540–549, 2014

2012 2.102 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, 666–672, 2012, doi: 10.1007/978-3-642-35063-4_51

2.103 K. Wasielewska, M.Drozdowicz, P. Szmeja, M. Ganzha, M. Paprzycki, I. Lirkov, D. Petcu, C. Badica, *Agents in Grid System – Design and Implementation*, LSSC 2011, I. Lirkov, S. Margenov, J. Wansiewski (Eds.): LNCS 7116, 2012, Springer, 662-669, doi: 10.1007/978-3-642-29843-1_76

2.104 D. Petcu, *Challenges of Future e-Infrastructure Governance*, M. Alexander et al. (Eds.): Euro-Par 2011 Workshops, Part II, LNCS 7156, 86-95, 2012, WoS: 000371244100011, doi: 10.1007/978-3-642-29740-3_11

2011 2.105 D. Petcu, *Portability and Interoperability between Clouds: Challenges and Case Study*, W. Abramowicz et al. (Eds.): ServiceWave 2011, LNCS 6994, 62-74, 2011, WoS: 000306345700006, doi: 10.1007/978-3-642-24755-2_6 (cits: 149)

2.106 D. Petcu, C. Craciun, M. Neagul, S. Panica, B. Di Martino, S. Venticinque, M. Rak, R. Aversa, *Architecturing a Sky Computing Platform*, ServiceWave 2010 Workshops, LNCS 6569, 2011, 1-13, WoS: 000307028000001, doi: 10.1007/978-3-642-22760-8_1 (cits:51)

2.107 B. Di Martino, D. Petcu, R. Cossu, P. Gonçalves, Tamás Máhr, M. Loichate, *Building a Mosaic of Clouds*, Euro-Par Woskshops 2010, LNCS 6586, 2011, 529-536, WoS: 000371301900070, doi: 10.1007/978-3-642-21878-1_70 (cits: 76)

2.108 S. Venticinque, R. Aversa, B. Di Martino, M. Rak, D. Petcu, *A Cloud Agency for SLA Negotiation and Management*, Euro-Par Works. 2010, LNCS 6586, 2011, 547-554, WoS: 000371301900072, doi: 10.1007/978-3-642-21878-1_72 (cits: 91)

2008 2.109 A. Cârstea, M. Frîncu, A. Konovalov, G. Macariu, D. Petcu,*On Service-oriented Symbolic Computing*,Parallel Processing& Applied Mathematics (PPAM), LNCS 4967, 2008, 843-851, WoS: 000256665600089, doi: 10.1007/978-3-540-68111-3_89

2.110 A. Cârstea, G. Macariu, D. Petcu, A. Konovalov, *Pattern Based Composition of Web Services for Symbolic Computations*, M.Bubak et al.(Eds.):ICCS 2008, LNCS 5101, 126-135, WoS: 000257188800015, doi: 10.1007/978-3-540-69384-0_18 (cits: 1)

2007 2.111 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, 447-456, 2007, WoS: 000250368200048, doi: 10.1007/978-3-540-74466-5_49 (cits: 12)

2.112 D.Zaharie, D.Petcu, S.Panica, *A Hierarchical Approach in Distributed Evolutionary Algorithms for Multiobjective Optimization*, LSCC 2007, LNCS 4818, 505-514, WoS: 000254817600059, doi: 10.1007/978-3-540-78827-0_59 (cits: 7)

2006 2.113 D. Petcu, D. Vizman, M. Paprzycki, *Porting CFD Codes Towards Grids: A Case Study*, PPAM 2005, LNCS 3911, ISSN 0302-9743, 817-824, 2006, WoS: 000238107100098, doi: 10.1007/11752578_98

2.2.3 Proceedings from IEEE Computer Press

2019 2.114 G. Iuhasz and D. Petcu, *Monitoring of Exascale data processing*, 2019 IEEE International Conference on Advanced Scientific Computing (ICASC), Romania, 2019, pp. 1-5, doi: 10.1109/ICASC48083.2019.8946279 (cits: 1)

2.115 A. Spătaru, L. Ricci, D. Petcu, B. Guidi, *Decentralized Cloud Scheduling via Smart Contracts. Operational Constraints and Costs*, 2019 6th Int. Conf. on Internet of Things: Systems, Management and Security (IOTSMS), Int. Symp. on Blockchain Computing and Applications (BCCA 2019), 482-489, WoS: 000526389700071, doi: 10.1109/IOTSMS48152.2019.8939210, Best paper award

2.116 G. Iuhasz, D. Petcu, *Perspectives on Anomaly and Event Detection in Exascale Systems*, IEEE International Conference on High Performance and Smart Computing (HPSC), 225-229 doi: 10.1109/BigDataSecurity-HPSC-IDS.2019.00051

2.117 T. T. Trieu, D. Petcu, *Building a Prototype Netcloudbook for User Activities-centered Social Network based on Booked Open-source and Docker Technology*, 27th Telecommunications Forum (TELFOR), doi: 10.1109/TELFOR48224.2019.8971174, 2019, WoS: 000568618700138

2017 2.118 D. Pop, B. Irimie, D. Petcu, *Distributed Optical Character Recognition for Old Romanian Prints*, Proceedings SYNASC 2017, 416–418, WoS: 000517584500066 doi: 10.1109/SYNASC.2017.00075

2016 2.119 S. Panica, D. Petcu, *Unattended Deployment of Enabling Platforms for Cloud-Based Applications*, 2016 30th International Conference on Advanced Information Networking and Applications (AINA) workshops, Crans-Montana, Switzerland, 2016, 144-149, WoS: 000387075700026, doi: 10.1109/WAINA.2016.170

2015 2.120 B.-C. Irimie, D. Petcu, *Scalable and Fault Tolerant Monitoring of Security Parameters in the Cloud*, Proceedings SYNASC 2015, WoS: 000384643800046, 289-297, doi: 10.1109/SYNASC.2015.53 (cits: 2)

2014 2.121 D. Pop, M. Neagul, D. Petcu, *On Cloud deployment of digital preservation environments*, 2014 IEEE/ACM Joint Conference on Digital Libraries (JCDL), 443-444, 2014, WoS: 000383092300074, doi: 10.1109/JCDL.2014.6970216 (cits.: 4)

2.122 D. Petcu, *A Taxonomy for SLA-based Monitoring of Cloud Security*, 2014 IEEE 38th Annual Computer Software and Applications Conference (COMPSAC), 640-641, WoS: 000353962400090, doi: 10.1109/COMPSAC.2014.50 (cits: 12)

2.123 D. Petcu, E. Di Nitto, D. Ardagna, A. Solberg, G. Casale, *Towards Multi-Clouds Engineering* (invited paper), 2014 IEEE

Conf.on Computer Communications (INFOCOM) Workshops, WoS: 000343582700001, doi: 10.1109/INFCOMW.2014.6849159, 1-6 (cits: 7)

2013 2.124 S. Panica, D. Petcu, *Distributed Resource Identification Service for Cloud Environments*, 15th Int. Symp. on Symbolic & Numeric Alg. for Sci. Computing (SYNASC), 2013, 448-453, WoS: 000360988000060, doi: 10.1109/SYNASC.2013.65

2.125 M. Rak, N. Suri, J. Luna, D. Petcu, V. Casola, U. Villano, *Security as a Service Using an SLA-Based Approach via SPECS*, 2013 IEEE 5th International Conference on Cloud Computing Technology and Science (CloudCom), vol.2, 1-6, WoS: 000352079100001, doi: 10.1109/CloudCom.2013.165 (cits: 50)

2.126 C. Marinescu, D. Petcu, *Quality Assessment in the Cloud: Is It Worthwhile?*, 2013 17th European Conference on Software Maintenance and Reengineering (CSMR), 453-456, 2013, WoS: 000321127000062, doi: 10.1109/CSMR.2013.70 (cits.: 1)

2012 2.127 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, WoS: 000317385100047, doi: 10.1109/UCC.2012.54 (cits: 14)

2.128 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 (cits: 1)

2.129 D. Petcu, M.E. Frincu, S. Panica, M. Neagul *Towards Programmatic Management of Services from Multiple Clouds*, 4th Int.Conf.Intelligent Networking& Collaborative Systs (InCoS), 2012, 487-488, doi: 10.1109/iNCoS.2012.77 (cits: 1)

2.130 S. Panica, D. Petcu, I. Lazkanotegi Larrate, T. Mahr, *Sky Computing Platform for Legacy Distributed Application*, 11th Int. Symposium on Parallel and Distributed Computing (ISPDC), 2012, 293-300, doi: 10.1109/ISPDC.2012.47 (cits: 3)

2.131 D. Petcu, V. Stankovski, *Towards Cloud-enabled Business Process Management based on Patterns, Rules and Multiple Models*, 10th IEEE Int. Symposium on Parallel and Distributed Processing with Applications (ISPA), 454-459, 2012, doi: 10.1109/ISPA.2012.66 (cits: 12)

2.132 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, doi: 10.1109/MISE.2012.6226014 (cits: 223)

2011 2.133 D. Petcu, M. Frincu, C. Craciun, S. Panica, M. Neagul, G. Macariu, *Towards Open-Source Cloudware*, Procs.4th IEEE International Conference on Utility and Cloud Computing, UCC 2011, 330-331, doi: 10.1109/UCC.2011.53 (cits.:10)

2.134 S. Panica, M. Neagul, C. Craciun, D. Petcu, *Serving Legacy Distributed Applications by a Self-configuring Cloud Processing Platform*, 6th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS), vol I, 2011, 139-145, doi: 10.1109/IDAACS.2011.6072727 (cits: 6)

2.135 M. Frincu, N. Villegas, D. Petcu, H.A. Mueller, R. Rouvoy, *Self-Healing Distributed Scheduling Platform*, 11th IEEE/ACM Int. Symp. Cluster, Cloud and Grid Computing (CCGrid), 2011, 225 - 234, doi: 10.1109/CCGrid.2011.23 (cits: 11)

2.136 D. Petcu, C. Craciun, M. Neagul, M. Rak, I. Lazcanotegui, *Building an Interoperability API for Sky Computing*, 2011 International Conference on High Performance Computing & Simulation, Workshop on Cloud Computing Interoperability and Services (InterCloud/HPCSim), 2011, 405-412, doi: 10.1109/HPCSim.2011.5999853 (cits.:35)

2010 2.137 D. Petcu, *Identifying Cloud Computing Usage Patterns*, Procs. Cluster 2010, ISBN 978-1-4244-8395-2 , IEEE Computer Press, 2010, p. 1-8, doi: 10.1109/CLUSTERWKSP.2010.5613106 (cits: 15)

2.138 C. Mindruta, D. Petcu, *A Semantic Services Architecture for Solving ODE Systems*, Procs. SYNASC 2010, IEEE Computer Press, 2010, 301-307, WoS: 000349920700042, doi: 10.1109/SYNASC.2010.47

2009 2.139 S. Panica, M. Neagul, D. Petcu, T. Stefanut, D. Gorgan, *Designing a Grid-based Training Platform for Earth Observation*, SYNASC 2008, ISBN 978-0-7695-3523-4, IEEE, 2009, 394-397, WoS: 000274363300064, doi: 10.1109/SYNASC.2008.72

2.140 M. Neagul, S. Panica, D. Petcu, D. Zaharie, D. Gorgan, *Web and Grid Services for Training in Earth Observation*, IEEE Int. Workshop on Intelligent Data Acquisition & Advanced Computing Systems: Technology & Applications (IDAACS), 2009, ISBN 978-1-4244-4882-1-09, 241-246, WoS: 000280406400046, doi: 10.1109/IDAACS.2009.5342986 (cits.: 1)

2.141 A. Carstea, G. Macariu, M. Frincu, D. Petcu, *Description and Execution of Patterns for Symbolic Computations*, SYNASC 2009, ISBN: 978-0-7695-3964-5, IEEE, 2009, 205-212, WoS: 000361186200034, doi: 10.1109/SYNASC.2009.40

2008 2.142 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, 259-266, WoS: 000263137300034, doi: 10.1109/ISPDC.2008.46

2.143 A. Cârstea, G. Macariu, M. Frîncu, D.Petcu, *Workflow Management for Symbolic Grid Services*, Procs. SYNASC 2008, ISBN: 978-0-7695-3523-4, 2009, 373-379, WoS: 000274363300061, doi: 10.1109/SYNASC.2008.55 (cits: 1)

2007 2.144 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, WoS: 000248622400002, doi: 10.1109/ISPDC.2007.15 (cits: 1)

2.145 A. Cârstea, Marc Frîncu, G. Macariu, D. Petcu, K. Hammond, *Generic Access to Web an Grid-based Symbolic Computing Services*, ISPDC 2007, ISBN 0-7695-2917-8, 143-150, WoS: 000248622400020, doi: 10.1109/ISPDC.2007.24 (cits: 2)

2.146 D. Petcu, D. Zaharie, D. Gorgan, F. Pop, D. Tudor, *MedioGrid: a Grid-based Platform for Satellite Image Processing*, IEEE 4th International Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS), 2007, 137-142, WoS: 000254690400030, doi: 10.1109/IDAACS.2007.4488392 (cits: 19)

2.147 G. Macariu, M. Frincu, A. Carstea, D. Petcu, A. Eckstein, *Redesigning Parallel Symbolic Computations Packages*, 16th International Conference on Parallel Architecture and Compilation Techniques (PACT), 2007, ISSN 1089-795X, 417, doi: 10.1109/PACT.2007.4336245

2.148 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), ISBN 0-7695-3030-3, 21-25, WoS: 000252342500005, doi: 10.1109/AXMEDIS.2007.23 (cits: 3)

2.149 M. Frîncu, D. Petcu, *Remote Control for Graphic Applications*, SYNASC 2007, ISBN 0-7695-3078-8, 2007, 304-309, WoS: 000264583000043, doi: 10.1109/SYNASC.2007.22 (cits: 1)

2.150 G. Macariu, D. Petcu, *Parallel Multiple Polynomial Quadratic Sieve on Multi-core Architectures*, SYNASC 2007, ISBN 0-7695-3078-8, 59-65, WoS: 000264583000009, doi: 10.1109/SYNASC.2007.21 (cits: 3)

2.151 A. Cârstea, G. Macariu, M. Frîncu, D. Petcu, *Composing Web-based Mathematical Services*, SYNASC 2007, ISBN 0-7695-3078-8, 327-334, WoS: 000264583000047, doi: 10.1109/SYNASC.2007.39

2006

2.152 D.Petcu, *Between Web and Grid-based Mathematical Services*, ICCGI 2006, 41-47, doi: 10.1109/ICCGI.2006.13 (cits: 6)

2.153 D.Petcu, V. Iordan, *Grid Service based on GIMP for Processing Remote Sensing Images*, SYNASC 2006, ISBN 0 7695 2740 X, 251-258, WoS: 000245460500042, doi: 10.1109/SYNASC.2006.40 (cits: 8)

2.154 N.Somosi, D.Petcu, *A Parallel Algorithm for Rendering Huge Terrain Surfaces*, SYNASC 2006, ISBN 0 7695 2740 X, 274-278, WoS: 000245460500045, doi: 10.1109/SYNASC.2006.8 (cits: 1)

2005 2.155 M.Petcu, D.Petcu, *Distributed rule-based system*, SOFA 2005, ISBN 963 219 001 7, 257-262.

2.156 D.Petcu, *Parallel Jess*, ISPDC 2005, 307-314, WoS: 000234333400041, doi: 10.1109/ISPDC.2005.38 (cits: 8)

2.157 D.Petcu, *Adapting a Partitioning-based Heuristic Load-balancing Algorithm to Heterogeneous Computing Environments*, SYNASC 2005, ISBN 0 7695 2453 2, 170-173, WoS: 000235867000025 doi: 10.1109/SYNASC.2005.16

2004 2.158 D.Petcu, D.Dubu, M. Paprzycki, *Extending Maple to the Grid: Design and Implementation*, ISPDC 2004, ISBN 0-7695-2210-6, 209-216, WoS: 000225488100028, doi: 10.1109/ISPDC.2004.25 (cits: 6)

2003 2.159 D.Petcu, *Parallel explicit-state reachability analysis and state space construction*, ISPDC 2003, WoS: 000189447800030, 207-214, doi: 10.1109/ISPDC.2003.1267665 (cits: 15)

2000 2.160 D.Petcu, *Experiments with PVMaple and Parallel Methods for ODEs*, Cluster 2000: IEEE International Conference on Cluster Computing, 393-394, WoS: 000166002300075, link.

2.2.4 Proceedings of international conferences, indexed in WoS

2016 2.161 E.Di Nitto,G.Casale,D.Petcu, *On MODAClouds Toolkit Support for DevOps*, In A.Celesti, P.Leitner (Eds.): ESOCC 2015 Workshops, CCIS 567, Springer, 430-431, 2016, WoS: 000385259400035, doi: 10.1007/978-3-319-33313-7 (cits: 2)

2.162 D. Petcu, M. Fazio, R. Prodan, Z. Zhao, M. Rak, *On the Next Generations of Infrastructure-as-a-Services*. Procs. 6th Int. Conf. on Cloud Computing and Services Science (CLOSER) - Vol. 1, 320-326, ISBN: 978-989-758-182-3, 2016, SciTePress, WoS: 000393155100034, doi: 10.5220/0005912503200326 (cits: 1)

2.163 T. Lynn, H. Xiong, D. Dong, B. Momani, G. Gravvanis, C. Filelis-Papadopoulos, A. Elster, M. M. Z. M. Khan, D. Tzovaras, K. Giannoutakis, D. Petcu, M. Neagul, I. Dragan, P. Kuppudayar, S. Natarajan, M. McGrath, G. Gaydadjiev, T. Becker, A. Gourinovitch, D. Kenny, J. Morrison, *CLOUDLIGHTNING: A Framework for a Self-organising and Self-managing Heterogeneous Cloud*. Procs. 6th Int. Conf. on Cloud Computing and Services Science (CLOSER) - Vol. 1, 333-338, ISBN 978-989-758-182-3, 2016, SciTePress, WoS: 000393155100036, doi: 10.5220/0005921503330338 (cits: 10)

2.164 M. Stopar, J. Modic, D. Petcu, M. Rak, *Towards a Proof-based SLA Management Framework - The SPECS Approach*. Procs. 6th Int. Conf. on Cloud Computing and Services Science (CLOSER 2016) - Vol. 2, 240-248, ISBN 978-989-758-182-3, 2016, SciTePress, WoS: 000393155000022, doi: 10.5220/0005771302400248

2.165 D.Petcu, S.Panica, B.Irimie, G.Macarie, *On Security SLA-based Monitoring as a Service*, B.Mandler et al. (Eds.), Internet of Things.IoT Infrastructures, Lecture Notes of the Institute for Computer Sciences,Social Informatics& Telecommunications Engineering (LNICST), vol.169, Springer,326-336,2016,WoS: 000398616500034 doi: 10.1007/978-3-319-47063-4_34

2015 2.166 G. Casale, D. Ardagna, M. Artac, F. Barbier, E. Di Nitto, A. Henry, G. Iuhasz, C. Joubert, J. Merseguer, V. I. Munteanu, J. F. Perez, D. Petcu, M. Rossi, C. Sheridan, I. Spais, D. Vladusic, *DICE: Quality-Driven Development of Data-Intensive Cloud Applications*, Procs. 7th International Workshop on Modeling in Software Engineering (MiSE/ICSE), 2015, 78-83, WoS: 000380568000014, doi: 10.1109/MiSE.2015.21 (cits: 33)

2012 2.167 D. Petcu, *Cloudware Support for Scientific Applications*, RO-LCG 2012, 70-73, WoS: 000325983100018, link

2.168 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, 111-114, WoS: 000325983100029, link (cits: 2)

2011 2.169 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, WoS: 000297788500001, doi: 10.1117/12.898281 (cits: 4)

2010 2.170 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 Internat. Conf. on Virtual Learning, 2010, Procs., M. Vlada, G. Albeanu, D.M. Popovici (eds.), Bucharest University Press, ISSN 1844-8933, 290-297, WoS: 000323685800041, link

2009 2.171 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, ISBN: 978-0-387-84809-9, 2009, 831-838, WoS: 000299235500087, doi: 10.1007/b137171_87 (cits: 3)

2.172 B.A. Caprarescu, D. Petcu, *A Self-Organizing Feedback Loop for Autonomic Computing*, ADAPTIVE 2009, Best paper award. In Future Computing, Service Computation, Cognitive, Adaptive, Content, Patterns, 2009 (COMPUTATIONWORLD), IEEE, 126-131, WoS: 000277313700020, doi: 10.1109/ComputationWorld.2009.21 (cits: 16)

2007 2.173 D.Petcu, S. Panica, A. Eckstein, *Satellite Image Processing on Computational Grids*, ACMOS'07, 9th Internat. Conference on Automatic Control, Modeling & Simulation, ISBN 978-960-8457-72-0, 216-221, WoS: 000249671900038, link

2005 2.174 D.Zaharie, D.Petcu *Parallel implementation of multi-population differential evolution*, Revised version of (2.231) 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, 223-232, WoS: 000232181400018, link (cits: 43)

2003 2.175 D.Zaharie, D.Petcu, *Adaptive Pareto Differential Evolution and its Parallelization*, 5th International Conference, PPAM 2003 Czestochowa, Poland, September 7-10, 2003 Revised Papers, eds. R. Wyrzykowski et al., LNCS 3019, ISSN 0302-9743, 2003, 261-268, WoS: 000221559200034, doi: 10.1007/978-3-540-24669-5_34 (cits:71)

2000 2.176 D.Petcu, *Towards the automatic numerical solution of ODEs*, ITI 2000: 22nd International Conference on Information Technology Interfaces, SRCE Publication ISBN 953-96769-1-6,171-176, WoS: 000168535600022, link

2.177 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, WoS: 000086116500010, doi: 10.1007/978-3-642-57172-5_10 (cits: 11)

2.178 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. M. Griebel, S. Margenov, P. Yalamov, Springer, ISSN 0179-9614, 180-195, link

2.179 A. Moldovan, D. Petcu, V. Gioncu, *Calibration of thin-walled members ductility*, In Behaviour of Steel Structures in Seismic Areas: Procs. 3rd International Conference on Behaviour of Steel Structures in Seismic Areas (STESSA 2000), eds. F. Mazzolani, R. Tremblay, 63-71, 2000, WoS: 000089123800009, link (cits: 1)

1999 2.180 A.Moldovan, D.Petcu, V.Gioncu, *Ductility of Thin-Walled Members*, SDSS'99: Pros. 6th International Colloquium on Stability and Ductility of Steel Structures, Elsevier Science Ltd., 299-307, WoS: 000083313700036, doi: 10.1016/B978-008043016-4/50036-2 (cits: 7)

1997 2.181 D.Petcu, *Implementation of some multiprocessor algorithms for ODEs using PVM*, LNCS 1332, ISSN 0302-9743, Recent Advances in Parallel Virtual Machine and Message Passing Interface, eds. M. Bubak et al., Springer-Verlag Berlin, 1997, 375-383, WoS: 000077561700046, doi: 10.1007/3-540-63697-8_107

2.2.5 Proceedings of other series of international conferences

2016 2.182 S. Ristov, R. Prodan, M. Gusev, D. Petcu, J. Barbosa, *Elastic Cloud Services Compliance with Gustafson's and Amdahl's Laws*, Procs. 3rd International Workshop on Sustainable Ultrascale Computing Systems (NESUS 2016), 1-10, ISBN 978-84-617-7450-0, link (cits: 1)

2015 2.183 D. Petcu, *On Autonomic HPC Clouds*, Proceedings of the Second International Workshop on Sustainable Ultrascale Computing Systems (NESUS 2015), 29-40, ISBN 978-84-608-2581-4, link (cits: 1)

2014 2.184 D. Petcu, C. Craciun, *Towards a Security SLA-based Cloud Monitoring Service.* Procs. CLOSER 2014, 4th International Conference on Cloud Computing and Services Science, doi: 10.5220/0004957305980603, 598-603 (cits: 28)

2013 2.185 A. Edmonds, T. Metsch, D. Petcu, E. Elmroth, J. Marshall, P. Ganchosov, *FluidCloud: An Open Framework for Relocation of Cloud Services*, Procs. USENIX ATC, 2013 link (cits: 3)

2.186 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, doi: 10.5220/0004503105810590 (cits: 1)

2012 2.187 D. Petcu, *Towards Programmable Infrastructures: the Steps made by Cloud Computing and their Technical Support*, Procs. WoSS-4, CLASS Conference, 2012, 19-21, link

2.188 B. A. Caprarescu, D. Petcu. *Decentralized Probabilistic Auto-Scaling for Heterogeneous Systems*, Procs. ADAPTIVE 2012, ISBN: 978-1-61208-219-6, 7-12, link (extended version of [274]) (cits: 1)

2011 2.189 D. Petcu, S. Panica, M. Neagul, *From Grid Computing Towards Sky Computing. Case Study for Earth Observation*, Procs. Cracow Grid Workshop 2010, ISBN 978-83-61433-03-3, 11-20 (cits: 9)

2.190 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, ISBN: 978-989-8425-52-2, 184-191, doi: 10.5220/0003395901840191 (cits: 21)

2.191 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, ISBN: 978-989-8425-52-2, 166-169, doi: 10.5220/0003388101660169 (cits: 64)

2010 2.192 S. Panica, M. Neagul, D. Petcu, *Processing remote sensing images on a Grid-based platform*, ICWI2010: IADIS Int. Conference WWW/Internet 2010, 397-399, ISBN: 978-972-8939-25-0, link

2008 2.193 Frîncu, M.E., Petcu, D., *On Designing an Asynchronous and Dynamic Platform for Solving Single Task Requests of Remote Applications*, ICCGI '08, 3rd International Multi-Conference on Computing in the Global Information Technology, 12-18, doi: 10.1109/ICCGI.2008.14

2.194 D. Zaharie, M. Drăgan, S. Panica, D. Petcu, M. Stoia-Djeska, *Asynchronous master slave parallelization of evolutionary optimization in airfoil shape design*, Procs. PARA 2008, Trodheim (revised version of the technical report [276])

2007 2.195 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), TR-SHU-CS-2007-0-1, 22-34

2006 2.196 D. Petcu, *Improving Computer Algebra Systems by Using Grid Services*, in 1st Austrian Grid Symposium, Austrian Computer Society, Band 210, ISBN 3-85403-210-2, 2006, 102-110

2.197 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, 75-80

2.198 D. Zaharie, S. Panica, M. Stoia-Djeska, M. Dragan, D. Petcu, *Airfoil shape optimization by coupling computational fluid dynamics with evolutionary multiobjective optimization*, Procs. International Multiconference on Computer Science and Information Technology (IMCSIT 2007), vol. 2, ISSN 1896-7094, Polskie Towarzystwo Informatyczne, 323-325, link

2005 2.199 D.Petcu, D.Tepeneu, M.Paprzycki, T.Mizutani, T.Ida, *Survey of Symbolic Computations on the Grid* (invited talk), SETIT 2005, 3rd Int.l Conf.: Sciences of Electronic, Technologies of Information and Telecommunications link (cits:3)

2.200 G. Ciobanu, D. Petcu, *P accelerators: Parallelization of sequential simulators*, in Cellular Computing: complexity aspects, ESF PESC Exploratory Workshop, Fenix Editora, Sevilla, 2005, 177-186.

2.201 C. Bonchis, C. Izbasa, D. Petcu, G. Ciobanu, WebPS: A Web-based P System Simulator with Query Facilities. Proceedings of the Third Brainstorming Week on Membrane Computing, 63-72, 2005 (cits:2)

2003 2.202 D.Petcu, D.Vizman, J.Friedrich, M.Popescu, *Crystal Growth Simulation on Clusters*, Proc. of HPC2003: High Performance Computing Symposium 2003, ISBN 1-56555-264-4, 41-46, link

2001 2.203 D. Petcu, D. Gheorghiu, *PAVIS: a parallel virtual environment for solving large mathematical problems*, Parallel Computing. Advances& Current Issues, PARCO 2001, Imp. Col. Press, doi: 10.1142/9781860949630_0060, 2002, 490-497

2.204 D. Petcu, *Connected mathematical software kernels: a solution for large IVP integration*, HERCMA 2001: 5th Hellenic - European Conference on Computer Mathematics and its Applications, ISBN 960-85176-7-2, Hellas, 2002, 613-620

2000 2.205 D.Petcu, *Anatomy of an Automatic Solution Generator for Differential Equations*, Algoritmy 2000: 15th Conference on Scientific Computing, Proceedings, ISBN 80-227-1391-0, Bratislava, 217-226, link

2.206 A. Moldovan, D. Petcu, V. Gioncu, *Post-critical behaviour of thin-walled beams. DuctRot-TWM computer program*, 3th International Conference on Coupled Instabilities in Metal Structures CIMS'2000, Imperial College Press, 595-604, doi: 10.1142/9781848160095_0066 (cits: 1)

1999

2.207 D.Petcu, *On the Use of Multiprocessor Systems for Initial Value Problems*, Procs. 3th International Conference on Parallel Procesing & Applied Mathematics, PPAM '99, Technical University of Czestochowa, 306-318.

1998 2.208 D.Petcu, *Problem solving environment for ordinary differential equations*, NMDE'98: 2nd Meeting on Numerical Methods for Differential Equations, Press of the University of Coimbra, 177-186.

2.209 D.Petcu, *Parallel quadric renderind with load balancing strategy*, VECPAR '98: 3rd International Meeting on Vector and Parallel Processing, Part III, FEUP Press, Porto, 763-776.

2.210 D.Petcu, M.Drăgan, *Parallel rendering algorithm for curved surfaces*, PARELEC'98: International Conference on Parallel Computing in Electrical Engineering, Press of the Technical University of Bialystok, 191-196.

2.211 D.Petcu, *Computer environment for numerical ODE solvers*, DIFFEQ98: 2nd International Conference on Differential Equation and Applications, Press of State Technical University from Saint Petersburg, 72-85.

1996 2.212 V.Gioncu, L.Tîrcă, D.Petcu, *Rotation capacity of rectangular hollow section beams*, 7th International Symposium on Tubular Structures, Akadémiai Kiado, 345-356. (cits: 3)

2.213 V.Gioncu, L.Tîrcă, D.Petcu, *Interaction between in-plane and out-of-plane plastic buckling of wide-flange section members*, 2nd International Conf. Coupled Instabilities in Metal Structures, CIMS 96, Imperial College Press, 273-281. (cits: 3)

1995 2.214 V.Gioncu, D.Petcu, *Corrugated Hypar Structures*, in In Proceedings of the I International Conference on Lightweight Structures in Civil Engineering, Warsaw, Poland, 1995, 637–644. (cits: 18)

2.215 V.Gioncu, D.Petcu, *Obliczenia, projektowanie i zastosowania blach fałdowych w postaci fałdodowej paraboloidy hyperbolicznej*, Sympozjum Blachy Fałdowe, zasosowania i rozwiązania, Rzeszów, grudzień 1995, 109-123

2.216 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, 1995, vol. I, Akadémiai Kiado, 163-174 (cits: 6)

2.2.6 Proceedings of conferences organized in Romania with international referees/participation

2014 2.217 D. Pop, D. Petcu, M. Neagul, *Long Term Digital Preservation Using Cloud Services*, Procs. 7th RO-LCG Conference, Bucharest, Nov 2014, link

2009 2.218 M. Frincu, S. Panica, M. Neagul, D. Petcu, *Gisheo: On Demand Grid Service Based Platform for EO Data Processing*, 3rd Int. Worksh. High Performance Grid Middleware (HiperGrid), Vol.2, Politehnica Press Bucharest, 2009, 415-422.

2008 2.219 S. Panica, D. Petcu, A. Eckstein, *Solving Computational-Intensive Tasks for Digital Libraries by using Grid-based e-Infrastructures*, Procs. CONTI 2008, vol. 2, 65-68.

2.220 D. Petcu, *Migrating an Expert System towards Service Oriented Architecture and Multicore Systems*, In Scientific and Educational Grid Applications, Ed. Politehnium, Iasi, 2008, ISBN 978-973-621-236-9, 39-48.

2.221 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, 25-32

2007 2.222 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.

2.223 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, ISSN 1843-665-X

2.224 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, ISSN 1843-665-X

2006 2.225 D.Petcu, *Building a Portal for Grid-based Services*, Procs. 7th International Conference on Technical Informatics - (CONTI), Ed. Politehnica, 2006, vol. 2: Computer and Software Engineering, 143-148

2.226 D. Zaharie, D. Petcu, *Communications Strategies in Distributed Evolutionary Algorithms for Multi-objective Optimization*, 7th Int.Conf.on Technical Informatics (CONTI), Ed.Politehnica,2006, vol.1:Automation& Applied Informatics,151-156

2004 2.227 D.Petcu, *Faster Computer Algebra Systems via Parallel and Grid Extensions*, Procs. 8th International Symposium on Automantic Control and Computer Science (SACCS), Ed. Politehnium, ISBN 973-621-086-3, Iaşi, 2004, 42-45 and Bul. Inst. Polit. Iasi, fasc. 1-4, tom L (LIV), 2004, 101- 107.

2.228 D. Petcu, D. Dubu, *An extension of Maple for grid and cluster computing*, Procs. of the International Conference on Computers and Communications -ICCC 2004, ISBN 973-613-542-X, Metropolis SRL, Oradea, 355-360.

2.229 D.Petcu, D.Dubu, *Mapping General Purpose Scientific Computing Environments onto a Computational Grid*, Procs. SYNASC 2004, Workshop: Symbolic Computation on Grids, Ed.Mirton, ISBN 973-661-441-7, 574-585

2003 2.230 D.Petcu,D.Dubu, *Parallel state construction on a cluster*, Procs.s CSCS-14, 14th International Conference on Control Systems and Computer Science, 2003 Ed. Politehnica Press, ISBN 973-8449-18-9, 192-198.

2.231 D.Zaharie, D.Petcu, *Parallel implementation of multi-population differential evolution*, pre-procs. CIPC 2003: Concurrent Information Processing& Computing, Nato Advanced Research Workshop, A.I.Cuza Univ. Press, 262-269. (cits: 24)

2.232 D.Petcu, D.Dubu, *Load Balancing in Parallel State Space Exploration*, Procs SYNASC03, 5th International Workshop Timişoara, October 1-4, 2003 Ed.Mirton, ISBN 973-661-104-3, 211- 221

2.233 D.Petcu, A.Oprean, *Constructing a grid portal*, Proceedings SYNASC03, 5th International Workshop, Ed.Mirton, ISBN 973-661-104-3, 2003, 324- 328

2002 2.234 D.Petcu, C.Popa, *On the parallel implementation of Kovarik approximate orthogonalization algorithm*, Procs. SYNASC02, 4th International Workshop Timişoara, Ed.Mirton, ISBN 973-585-785-5, 263- 274

2001 2.235 D.Petcu, M.Petcu, *Efficiency model for parallel methods solving ODEs*, Procs. 9th Symposium of Mathematics and its Applications,"Politehnica " University of Timişoara 2001, Centru de Multiplicare al UPT, ISSN 1224-6069, 376-381.

2.236 D.Petcu, *Connecting scientific computing environments*, Procs. CSCS-13, 13th International Conference on Control Systems and Computer Science, 2001, Editura Politehnica Press, ISBN 973-85237-1-0, 388-393.

1999 2.237 D.Petcu, *Experiments with the method of line for time-dependent nonlinear partial differential equations*, 8th Symp. of Mathematics and its Applications,"Politehnica " Univ. Timişoara, 1999, Tipografia Politehnica Timişoara, 121-126.

1998 2.238 St.Mărușter, V.Negru, D.Petcu, C.Sandru, *INTENSE - Intelligent non-linear algebraic and differential equations solver*, SINTES9: Int.Symp. on System Theory, Robotics, Computers & Process Informatics, 1998, Vol. I: Syst.Theory, 38-45.

1997 2.239 D.Petcu, *A numerical software product for solving ordinary differential equations*, Procs. 7th Symposium of Mathematics and its Applications, 6-9 November 1997, Tipografia Universităţii Politehnica Timişoara, 217-222

2.240 D.Petcu, *Distributed and Parallel Implementations of Runge-Kutta methods*, Procs. ICAOR: International Conference on Approximation and Optimization, 1996, vol. II, Transilvania Press, 1997, 193-202

1996 2.241 D.Petcu, L.Cucu, *Distributed plotting of curves and surfaces*, Procs. ROSYCS '96: Romanian Symposium on Computer Science. Concurrent Systems and Formal Languages. Evolutionary Computing, 215-224.

1995 2.242 D.Petcu, *Solving differential equations on a multiprocessor machine*, Procs. 6th Symposium of Mathematics and its Applications, 1995, Editura Mirton, 289-297

1993 2.243 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, Universitatea A.I.Cuza Iasi, 447-454

2.244 D.Petcu, *Efficient Methods for Numerical Solution of Ordinary Differential Equations*, Procs. 5th Symposium of Mathematics and its Applications, 1993, Ed. Mirton, 234-240

2.2.7 Proceedings of national conferences

2007 2.245 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. AMCSIST, Oct 2007 (Best Session Technical Paper Award), link (cits: 1)

2006 2.246 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 2.247 D.Petcu, *A tool for evaluating numerical methods for differential equations*, Proceedings CITTI 2000: Prima Conferinţă de Informatică Teoreticăşi Tehnologii Informatice, Constanţa, 25-27 Mai 2000, 1-7, link

1996 2.248 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, Timişoara, vol. IV: Grafică şi proiectare asistată, procesarea imaginilor, partea a II-a, 861-868.

1991 2.249 D.Petcu, *On the Hypothesis for the Error Estimate of Newton's Method*, Lucrările celui de-al IV-lea Simpozion de Matematicişi Aplicaţii al Universităţii Tehnice din Timişoara, Ed. Mirton, Timişoara, ed. N.Boja, 1991, 130-140

1988 2.250 D.Petcu, *New methods for solving stiff differential equations* (in Romanian), SNIC, IVth National Symposium in Informatics for Building Engineering, vol. 2, Timişoara, 26-27 May 1988, 287-294.

2.2.8 Extended abstracts

2016 2.251 M. Neagul, I. Drăgan, D. Petcu, *HPC Cloud Application Orchestration through Self-Organization*, RO-LCG 2016, Book of abstracts, p. 36

2.252 D. Petcu *Exploiting the Resources of a University HPC Center*, RO-LCG 2016, Book of abstracts, p. 17

2010 2.253 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.

2.254 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, link (cits: 1)

2009 2.255 D. Gorgan, V. Bâcu, G. Neagu, D. Petcu, F. Pop, *ESIP - Grid based Satellite Data Processing Platform*, 4rd EGEE User forum, Catania, Feb 2009, Book of abstracts. (cits: 1)

2.256 D.Petcu, *GiSHEO - Grid-based Services for Education in Earth Observation*, EGEE Conference, Barcelona, Sept 2009, Book of abstracts.

2.257 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

2008 2.258 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.

2.259 D. Petcu, *Grid and Earth Science Education*, presented at 21st Internat. CODATA Conference, 3-8 Oct 2008, Kiev.

2.260 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.

2.261 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, 189

2007 2.262 D. Petcu, K. Hammond, P. Trinder, A. Al Zain, *SymGrid: Symbolic Computations on Grids*, 2nd EGEE User forum, Manchester, May 2007, Books of Abstracts, 241-242.

2004 2.263 D. Dubu, D. Petcu, *Augmenting computer algebra systems through grid*, CaVIS 2004: Computer Aided Verification of Information Systems, Timişoara, February 2004, Extended Abstract, 36-39

2.264 D. Petcu, D.Zaharie, *On applying random and genetic search in model checking*, CaVIS 2004: Computer Aided Verification of Information Systems, Timişoara, February 2004, Extended Abstract, 62-65

2.265 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, Timişoara, February 2004, Extended Abstract, 40-43

2003 2.266 D. Petcu, D. Dubu, *Parallel and distributed computing in model checking*, CaVIS 2003: Computer Aided Verification of Information Systems, Timişoara, February 2003, Extended Abstract, 47-50

2000 2.267 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.

2.268 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 2.269 D.Petcu, *Application du calcul parallèle aux systèmes des équations différentielles*, 4ème Colloque Franco-Roumain, Metz, 31 August-4 September 1998, 21-23.

1997 2.270 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.

2.3 Technical reports

2016 2.271 D. Pop, G. Iuhasz, D. Petcu, Distributed Platforms and Cloud Services Enabling Machine Learning for Big Data. An Overview. preview of [293], IeAT Technical report, 2016, link

2015 2.272 D. Petcu, Service Quality Assurance in Multi-Clouds, preview of [98], IeAT Technical report, 2015, link

2012 2.273 B.A. Caprarescu, E. Kaslik, D. Petcu: Theoretical Analysis and Tuning of Decentralized Probabilistic Auto-Scaling. CoRR abs/1202.2981 (2012), link

2.274 B.A. Caprarescu, E. Kaslik, D. Petcu, Decentralized Probabilistic Auto-Scaling for Heterogeneous Systems. CoRR abs/1203.3885 (2012), link (preliminary version of [188])

2.275 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), link, preview of [11] (cits: 2)

2008 2.276 D. Zaharie, M. Drăgan, S. Panica, D. Petcu, M. Stoia-Djeska, *Asynchronous master slave parallelization of evolutionary optimization in airfoil shape design*, IeAT Technical Report 08-11, link (preliminary version of [194])

2.277 A. Carstea, G. Macariu, M. Frincu, D. Petcu, *Secure Orchestration of Symbolic Grid Services*, IeAT Tech.Rep.08-08, link

2005 2.278 D.Petcu, Software Issues in Solving Initial Value Problems for Ordinary Differential Equations IeAT Tech.Rep.05-04, link

2004 2.279 D.Petcu, D. Dubu, *An Extension of Maple for Grid and Cluster Computing*, IeAT Technical Report 04-03, link

2.280 D.Petcu, *Speedup Involving Differential Equations on Cluster Workstations*, IeAT Technical Report 04-02, link

2003 2.281 D.Petcu, Building a Computational Grid: Design Issues, IeAT Technical Report 03-09, link

2.282 D.Petcu, A. Oprean, Constructing a Grid Portal IeAT Technical Report 03-08, link

2.283 D. Zaharie, D.Petcu, Parallel Implementation of multi-population differential evolution, IeAT Tech.Rep.03-07, link

2.284 D.Petcu, D. Dubu, Parallel State Space Construction on a Cluster, IeAT Technical Report 03-02, link

2001 2.285 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, Proceedings, Risc-Linz Report Series No. 01-20, 15-21.

2.286 D.Petcu, *Working with multiple Maple kernels connected by Distributed Maple or PVMaple*, RISC-Linz Technical Report Series No. 01-18, eds. RISC-Linz Faculty: E.S. Blurock, B.Buchberger et al., March 2001, link

2000 2.287 D.Petcu, *Numerical Solution of ODEs with Distributed Maple*, RISC-Linz Technical Report Series No. 00-09, link

2.4 Books

2.4.1 Book chapters

2018 2.288 I. Drăgan, T.F. Fortiş, M. Neagul, D. Petcu, T. Selea, A. Spătaru, *Application Blueprints and Service Description*, In T. Lynn, J. Morrison, D. Kenny (eds.), Heterogeneity, High Performance Computing, Self-Organization and the Cloud, Palgrave Macmillan, Cham, Series: Palgrave Studies in Digital Business & Enabling Technologies, 89-117, 2018, SpringerLink, WoS: 000457010300005, doi: 10.1007/978-3-319-76038-4_4

2017 2.289 I. Drăgan, T.-F. Fortiş, G. Iuhasz, M. Neagul, D. Petcu, *Applying Self-* Principles in Heterogeneous Cloud Environments*, In N. Antonopoulos, L. Gillam (eds.), Cloud Computing. Principles, Systems and Applications, Part IV, Series Computer Communications and Networks, Springer, 255-274, doi: 10.1007/978-3-319-54645-2_10 (cits: 8)

2.290 G. Iuhasz, S. Panica, C. Crăciun, D. Petcu, *Deployment of Cloud Supporting Services, Model-Driven Development and Operation of Multi-Cloud Applications*, Part of the series SpringerBriefs in Applied Sciences and Technology pp 69-80, 2016, doi: 10.1007/978-3-319-46031-4_8

2.291 E. Di Nitto, Petcu, D., *Introduction*, 2017, In Model-Driven Development and Operation of Multi-Cloud Applications, Part of the series SpringerBriefs in Applied Sciences and Technology, 1-11, 2016, doi: 10.1007/978-3-319-46031-4_1

2016 2.292 M. C. Calzarossa, M. L. Della Vedova, L. Massari, D. Petcu, M. Tabash, D. Tessera, *Workloads in the Clouds*, in L. Fiondella, A. Puliafito, *Principles of Performance and Reliability Modeling and Evaluation*, Springer Series in Reliability Engineering, Springer, 2016, 525-550, WoS: 000386786000021, doi: 10.1007/978-3-319-30599-8_20 (cits: 33)

2.293 D. Pop, G. Iuhasz, D. Petcu, *Distributed Platforms and Cloud Services Enabling Machine Learning for Big Data. An Overview*, in Data Science and Big Data Computing: Frameworks and Methodologies, ed. Zaigham Mahmood, 139-159, Springer, 2016, ISBN 978-3319318592, doi: 10.1007/978-3-319-31861-5_7 (preliminary version: [271], cits: 7)

2015 2.294 D. Pop, A. Echeverria, D. Petcu, G. Conesa, *Enabling Open and Collaborative Public Service Advertising through Cloud Technologies*, In book: Cloud Computing Technologies for Connected Government, Edition: 1, Chapter: 11, Publisher: IGI Global, Editors: Zaigham Mahmood, 268-290 doi: 10.4018/978-1-4666-8629-8.ch011 (cits: 1)

2.295 E. Di Nitto, A. Solberg, D. Petcu, *On MODAClouds' Approach for Application Design and Execution on Multi-Clouds*, M. Helfert, B. Donnelan (Eds.), European Project Space, Cases and Examples, SCITEPRESS, 2015, Portugal, ISBN: 978-989-758-034-5, 49-60, doi: 10.5220/0006183100490060, link

2014 2.296 M.E. Frincu, D. Petcu, *Resource Management for HPC on the Cloud*, E. Jeannot, J. Zilinskas (eds.): High-Performance Computing on Complex Environments ISBN: 978-1-118-71205-4, John Wiley & Sons, 2014, WoS: 000351612700017, doi: 10.1002/9781118711897.ch16 303-323 (cits: 1)

2013 2.297 D. Petcu, *Building Automatic Clouds with an Open-source and Deployable Platform-as-a-service*, Advances in Parallel Computing, Vol 23: Cloud Computing and Big Data, eds. C. Catlett, W. Gentzsch, L. Grandinetti, G. Joubert, J.L. Vazquez-Poletti, 978-1-61499-321-6, 3-19, IOS Press, WoS: 000350347400001, doi: 10.3233/978-1-61499-322-3-3

2.298 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 Voulodimos, Spyridon V. Gogouvitis and Theodora Varvarigou, 166-191, 2013, doi: 10.4018/978-1-4666-3934-8.ch012; in Cloud Technology: Concepts, Methodologies, Tools, and Applications, by in Management Association, Information Resources, 2015, 1204-1230, WoS: WOS:000417994600057, doi: 10.4018/978-1-4666-6539-2.ch056 (cits: 5)

2.299 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 (cits: 4)

2012 2.300 D. Petcu, *Research Challenges of Cloud Computing*, chapter 6, C. Enachescu, F. G. Filip, B. Iantovics (Eds.), Advanced computational technologies, Romanian Academy Publishing House, 2012, ISBN 978-973-27-2256-5, 89-98

2.301 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. M. Villari, I. Brandic, F. Tusa, IGI Global, 2012, 176-194, doi: 10.4018/978-1-4666-1631-8.ch010 ISBN: 978-1-4666-16318, WoS: 000416666700012 (cits: 12)

2.302 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, link

2.303 F. Moscato, R.Aversa, B. Di Martino, D. Petcu, M. Rak, S. Venticinque, *An Ontology for the Cloud in mOSAIC*, chapter 20 in Cloud Computing: Methodology, Systems, and Applications. L. Wang, R. Ranjan, J. Chen, B. Benatallah, 2012, CRC Press, 9781439856413 (ebook, 2017, 9781315217208), 467-486, WoS: 000357178400022, doi: 10.1201/b11149-20 (cits: 26)

2011 2.304 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. Iványi, B.H.V. Topping (Eds.), Trends in Parallel, Distributed, Grid and Cloud Computing for Engineering, Saxe-Coburg Publications, Chapter 16, 355-374, 2011. Computational Science, Engineering & Technology Series, doi: 10.4203/csets.27.16 ISBN 978-1-874672-53-1 (cits: 4)

2.305 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*, P. Iványi, B.H.V. Topping (Eds.), Trends in Parallel, Distributed, Grid and Cloud Computing for Engineering, Saxe-Coburg, Chapter 15, 335-354, 2011. Comput.Science, Engineering & Technology Series, doi: 10.4203/csets.27.15 ISBN 978-1-874672-53-1 (cits: 5)

2010 2.306 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, 2010, 1053-1075, doi: doi: 10.4018/978-1-61520-686-5.ch045 (cits: 1)

2009 2.307 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, 9-19 (invited talk at IDC 2009), WoS: 000274283000002, doi: 10.1007/978-3-642-03214-1_2 (cits: 2)

2.308 D. Petcu, D. Zaharie, M. Neagul, S. Panica, M. Frincu, D. Gorgan, T. Stefanut, 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, 2009, 115 - 140, doi: 10.5772/7049 (cits: 2, downloads over 11000)

2.309 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, Studies in Computational Intelligence, Vol. 217, Teodorescu, H.-N. et al. (Eds.) 2009, ISBN 978-3-642-01884-8, 137-159, WoS: 000268638100008, doi: 10.1007/978-3-642-01885-5_8 (cits: 2)

2006 2.310 D.Petcu, D.Ţepeneu, M.Paprzycki, T.Ida, *Symbolic Computations on Grids*, chapter 6 in "Engineering the Grid: status and perspective", eds. B. di Martino et al., American Scientific Publishers, ISBN 1-58883-038-1, 2006, 91-107, link (cits: 1)

2.311 D.Petcu, M. Paprzycki, M. Ganzha, *Cluster Computing facilities in a service-oriented architecture*, Russian book, 2006.

2002 2.312 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, link

2000 2.313 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, link (cits: 13)

2.4.2 Monographs

1998 2.314 D.Petcu, *Parallelism in solving ordinary differential equations*, Mathematical Monographs 64, Tipografia Universităţii din Timişoara, 1998, 232 pages (cits: 20)

1996 2.315 D.Petcu, *Parallel Numerical Algorithms. Part I: Solving systems of linear, nonlinear or differential equations*, Mathematical Monographs 60, Tipografia Universităţii din Timişoara, 1996, 148 pages.

2.316 D.Petcu, *Parallel Numerical Algorithms. Part II: Solving partial differential equations*, Mathematical Monographs 61, Tipografia Universităţii din Timişoara, 1996, 134 pages.

1995 2.317 D.Petcu, *Multistep Methods for Stiff Initial Value Problems*, Mathematical Monographs 50, Tipografia Universităţii din Timişoara, 1995, 186 pages.

1994 2.318 D.Petcu, *Parallel computing* (in Romanian), Editura de Vest, Timişoara, 1994, ISBN 973-36-0227-2, 160 pages.

2.4.3 Textbooks

2006 2.319 D.Petcu,*Grid architectures& technologies* (in Romanian),Ed.Eubeea,Timişoara,ISBN 973-673-056-7,2006,292 pages (cits: 3)

2.320 L.Cucu, V.Iordan, V.Negru, D.Petcu, G.Petrov, P.Popovici, D.Zaharie, *Tests for informatics exams* (RO), Ed. Mirton, Timişoara, ISBN 973-661-844-7, 2006, 166 pages.

2004 2.321 D.Petcu, D.Pop, *Modeling three-dimensional world* (in Romanian), Ed. Eubeea, Timişoara, ISBN 973-673-011-5, 2004.

2002 2.322 D.Petcu, V.Negru, *Distributed processing* (RO), Editura Universităţii de Vest, Seria Alef, 2002, Timişoara, ISBN 973-85552-8-0 (cits: 3)

2001 2.323 D.Petcu, *Parallel processing* (RO), Edit. Eubeea, 2001, Colecţia Informatică, Timişoara, ISBN 973-9479-48-0

2000 2.324 D.Petcu, *Mathematics assisted by computers* (RO), Colecţia Informatică, Ed.Eubeea, 2000, Timişoara, ISBN 973-9479-13-8.

1999 2.325 D.Petcu, L.Cucu, *Computer Graphics* (RO), Tipografia Universităţii Timişoara, 1999.

1998 2.326 O. Dogaru, Gh. Bocşan, I. Despi, A. Ionică, V. Iordan, L. Luca, D. Petcu, P. Popovici, *Informatics for teachers* (RO), Editura de Vest, Timişoara, 1998, ISBN 973-36-0308-2.

1997 2.327 D.Petcu, *Maple, a standard for computer assisted mathematics* (RO), Tipografia Universităţii Timişoara, 1997.

1995 2.328 O.Dogaru,D.Petcu,G.Petrov,*Turbo Pascal.Exercises and problems*(RO),Timişoara,Ed.Vest,1995,ISBN 973-36-0200-0.

2.329 D.Petcu, L.Cucu, *Computer graphics principles* (RO), Edit. Excelsior, Timişoara, 1995, ISBN 973-9015-51-4

1994 2.330 D.Petcu, *Parallel algorithms* (RO), Tipografia Universităţii Timişoara, 1994.

Chapter 3
Support activities

3.1 Special talks

3.1.1 Invited talks

2017 3.1 D. Petcu, *Mastering the heterogeneity in HPC as a Service*, NESUS Sixth Working Group, Bayreuth, Apr 2017, link

2016 3.2 D. Petcu, *Service Quality Assurance for Cloud-based Data-intensive Applications*, SEE Data Science Forum, Belgrad, June 2016, link and abstract

3.3 D. Petcu, *Big Data and DevOps in the Cloud: The role of monitoring and DICE approach*, NESUS Fifth Working Group Meeting, Ljubljana, Jul 2016, link

2014 3.4 D. Petcu, *Challenges of Multi-Clouds*, AMGCC14 / ICAC 2014, London, September 2014, link

2012 3.5 D. Petcu, *Benefits and Barriers of Symbolic Computations on Clouds and Grids*, ACA 2012, Sofia, June 2012, link

2009 3.6 D. Petcu, *Challenges of Data Processing for Earth Observation in Distributed Environments*, IDC 2009 - 3rd International Symposium on Intelligent Distributed Computing, Cyprus, link

2007 3.7 D. Petcu, *Distributed Symbolic Computations*, ISPDC 2007, July 5-8 2007, Hagenberg, link

3.8 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

3.9 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 3.10 D.Petcu, *Software issues in solving initial value problems for ordinary differential equations*, ICCAM 2005, Baia Mare.

2002 3.11 D. Petcu, *Applications of multiprocessing in solving differential equations*, Simpozion Intinerant, Secţiunea Matematică Aplicatăşi Informatică, Constanţa, 16.01.2002

3.1.2 Invited keynotes

2019 3.12 D. Petcu, *Scalable Monitoring applied to Exascale systems, Big Data frameworks or Security as a Service*, IWSG 2019, Ljubljana, June 2019, link

2017 3.13 D. Petcu, *HPC as a Service: Challenges and Limitations*, ISPDC 2017, Innsbruck, July 2017, link

2015 3.14 D. Petcu, *Service quality assurance in multi-clouds*, GECON 2015, Cluj, Sept 2015, link

2012 3.15 D. Petcu, *HPC in the Cloud*, CLASS Conference 2012, Bled, Oct 2012, link

3.16 D. Petcu, *From a Desktop to a Supercomputer, Cluster, Grid, Cloud, InterCloud: Where my Research Code Should Run?*, ComputationWorld 2012, Nisa, July 2012, link

3.17 D. Petcu, *The Cloudy Sky of Programmable Infrastructures*, HEUNET workshop at SAINT, 2012 IEEE/IPSJ 12th Int. Symposium on Applications & the Internet, doi: 10.1109/SAINT.2012.89

3.18 D. Petcu, *Building European consensus on sustainability*, e-FISCAL workshop, Samos, July 2012, link

3.19 D. Petcu, *Open-source platform-as-a-service: requirements and implementation challenges*, High Performance Computing, Grids and Clouds, Cetraro, June 2012, link

2011 3.20 D. Petcu, *How is built a mOSAIC of Clouds*, International Research Workshop on Advanced High Performance Computing Systems Cetraro, Italy, June 27 - 29, 2011, link

2010 3.21 D.Petcu, *From Grid Computing towards Sky Computing. Case study for Earth Observation*, CGW 2010 - Cracow Grid Workshop, October 11-13, 2010, Cracow, link

2009 3.22 D. Petcu, Grid-based Services for High Education in Earth Observation, 4th GRID & e-Collaboration Workshop, 25-26 Feb. 2009, Frascati, link

3.23 D.Petcu, e-Science and Grids, EWM 2009, NoviSad, August 2009

2008 3.24 D. Petcu, Recent experiences in Grid-enabling legacy software codes, Alice workshop, Sibiu, 2008.

3.25 D. Petcu, S. Panica, Using Desktop Grids for Evolutionary Multi-objective Optimization, DAPSYS 2008, Debrecen.

2001 3.26 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, Castelvecchio Pascoli, 16-21.07.2001.

1996 3.27 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.

3.1.3 Invited project presentations

2014 3.28 D. Petcu, *MODAClouds project*, European Project Space, CLOSER 2014, Barcelona, April 2014, link

2013 3.29 D. Petcu, *Modelling Quality of Service for the Cloud*, Engineering the Cloud, ICT 2013, Vilnius, November 2013.

3.30 D. Petcu, *Towards Application Level Interoperability in Multi-Clouds*, Cloud Standards and Interoperability Workshop, CloudPlugFest 2013, Madrid, September 2013.

3.31 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 3.32 D. Petcu, *Open-source platform-as-a-service*, 2nd Meeting of IFIP WG on Services-oriented Systems, Bologna, Sep 2012

3.33 D. Petcu, *Storage and Software Components Management in Multiple Clouds using mOSAIC*, e-Challenges, Lisbon, Oct 2012

3.34 D. Petcu, *mOSAIC- facts, objectives and current results*, CLASS conference, Bled, October 2012

3.35 D. Petcu, *How to build a reliable mOSAIC of multiple Cloud services*, EWDCC 2012, Sibiu, May 2012, link

3.1.4 Invited papers

2014 3.36 D. Petcu, E. Di Nitto, D. Ardagna, A. Solberg, G. Casale, *Towards Multi-Clouds Engineering*, 2014 IEEE INFOCOM Workshop on Cross-Cloud Systems, April 2014, Toronto.

2011 3.37 D.Petcu *Portability and Interoperability between Clouds: Challenges and Case Study*, ServiceWave 2011, Poznan, link

3.1.5 Invited tutorials

2014 3.38 D. Petcu, *Multi-Clouds: from models to runtime support*, SummerSOC 2014, Advanced School on Service Oriented Computing, Hersonissos, July 2014, link

2013 3.39 D. Petcu, *Cloud Management Software for Multi-Clouds*, Cloud computing SummerSchool, "Paving the way to the Cloud", Almere, July 2013, link

2012 3.40 D. Petcu, *How to Port an Application Between Clouds?*, ADAPTIVE 2012, Nice, July 2012, link

2011 3.41 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, link

2003 3.42 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 3.43 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.

3.1.6 Invited lectures

2015 3.44 D. Petcu, *Cloud Computing*, TEMPUS+ lecture at University of Pavia, 28-29 April 2015, link

2013 3.45 D. Petcu, *The challenges of Multi-Clouds*, seminar at University of Pavia, December 19, 2013, link

3.46 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 3.47 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 3.48 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, Mangalia, 1-10.

3.1.7 Invitations to expert panels

2014 3.49 D. Petcu, *Security in MultiClouds*, 2014 IEEE COMPSAC, IEEE Convergence Panel, Västerøas, Sweden, July 2014

3.50 D. Petcu, *Challenges of Cross-Clouds*, 2014 IEEE INFOCOM Workshop on Cross-Cloud Systems, Toronto, April 2014

3.51 D. Petcu, *Cloud computing perspective in R&D projects*, European Project Space, CLOSER 2014, Barcelona, Aprilie 2014.

2013 3.52 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 3.53 D. Petcu, *Perspective on Fog computing*, FOG Panel, CLASS Conference, Bled, Oct 2012

3.54 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

3.55 D. Petcu, *e-IRG and mOSAIC position*, CloudScape IV, Panel: Trust, Legal & Security Issues in Cloud Computing, Feb 2012, Brussels

2008 3.56 D. Petcu, *HPC in Romania*, PARA 2008, Panel 2: Future Trends in Parallel & Scientific Computing, May 2008, Trondheim

2006 3.57 D.Petcu, *QoS in Grid environments*, ICCGI Panel: Integrated Network and Application QoS for GRID Applications, July 30, 2006, Bucharest

3.1.8 Invited contributions to research policy documents

2016 3.58 InfraCluster of Cloud related projects, White paper, April 2016

2015 3.59 InfraCluster of Cloud related projects, Recommendations for the workprogramme H2020-ICT-2018-2019, December 2015

3.60 InfraCluster of Cloud related projects, Map of challenges, October 2015

2012 3.61 e-IRG Task Force on Cloud Computing, Cloud Computing for research and science: a holistic overview, policy, and recommendations, 30 Oct 2012,

3.62 Cloud Computing Expert Group Report, Advances in Clouds. Research in Future Cloud Computing, May 2012

3.63 Cloud Expert Group Recommendations, A Roadmap for Advanced Cloud Technologies under H2020, December 2012

3.2 Editorial activity

3.2.1 Editor-in-Chief

2009 3.64 Scalable Computing: Practice and Experience (SCPE, from 2009), in WoS (ESCI) from 2015, in SCOPUS from 2011

3.2.2 Member in editorial board (starting from the mentioned year)

2021 3.65 Future Generation Computer Systems, Elsevier (FGCS, from April until September 2021), in WoS;

2019 3.66 Journal of Grid Computing, Springer (JGC), in WoS

2018 3.67 Acta Cybernetica (AC), in WoS (ESCI) and Scopus

2016 3.68 EAI Endorsed Transactions on Cloud Systems, ISSN: 2410-6895 (CloudSys), in EBSCO

2014 3.69 Complex Systems Informatics and Modeling Quarterly, ISSN: 2255-9922 (CSIMQ), in EBSCO

2013 3.70 Soft Computing and Networking, ISSN: 2052-8450 (IJSCN), in Asian Digital Library and J-Gate

2008 3.71 International Scientific Journal of Computing, ISSN: 2312-5381 (CISJ), in Scopus

2006 3.72 Multiagent and Grid Systems, ISSN: 1574-1702 (MAGS), in WoS (ESCI)

3.73 Journal on Computer Science and Information Systems, ISSN: 1646-3692 (IJCSIS), in WoS (ESCI)

3.74 International Review on Computers and Software, ISSN: 1828-6003 (IRECOS), in EBSCO

3.75 International Journal of Computers, Communications and Control, ISSN 1841-9836 (IJCCC, until 2017), in WoS

2005 3.76 International Journal of Computer Science and Applications, ISSN: 0972-9038 (IJCSA), in Scopus

3.77 Scalable Computing: Practice and Experience (SCPE)

3.2.3 Journal reviewer (starting from the mentioned year)

2021 3.78 Journal of Sensor and Actuator Networks (JSAN); Expert Systems with Applications (ESWA); Big Earth Data (TBED); SN Computer Science (SNCS); Big Data and Cognitive Computing (BDCC);

2020 3.79 Engineering with Computers (EWCO); Micromachines (Micromachines); Information (Information); Journal of Cleaner Production (JCLP) International Journal of Computing and Digital Systems (IJCDS); Processes (Processes); Journal of Surveillance, Security and Safety (JSSS);

2019 3.80 International Journal of Information Systems in the Service Sector (IJISSS); Advances in Engineering Software (ADES); Applied Sciences (APPLSCI); Engineering Science and Technology (JESTECH); Mathematics (Mathematics); Algorithms (ALGOCH); Electronics (Electronics); Open Computer Science (OPENCS); Water Supply (WS-EM); Social Sciences (SOC-SCI); ISPRS International Journal of Geo-Information (IJGI);

2018 3.81 IEEE Transactions on Industrial Informatics (TII); PLoS One (PONE); Journal of Real-Time Image Processing (RTIP); Entropy (Entropy); Sustainability (Sustainability);

2017 3.82 IEEE Access (Access); IEEE Journal on Selected Areas in Communications (JSAC); Applied Soft Computing (ASOC); Symmetry (Symmetry); Sustainable Computing, Informatics and Systems(SUSCOM); Computer Languages, Systems & Structures (COMLAN); Journal of Software: Evolution and Process (JSME); Studies in Informatics and Control (SIC); Software: Practice and Experience (SPE); International Journal of Services Technology and Management (IJSTM); Open Cybernetics & Systemics Journal (TOCSJ);

2016 3.83 ACM Computing Surveys (CSUR); International Journal of High Performance Computing Applications (IJHPCA); International Journal of Cooperative Information Systems (IJCIS); Computing and Informatics (CAI); Journal of Applied Remote Sensing (JARS); Transactions on Large Scale Data and Knowledge Centered Systems (TLDKS); International Journal of Computer Engineering Research (IJCER); Journal of King Saud University - Computer and Information Sciences (JKSUCIS);

2015 3.84 IEEE Transactions on Services Computing (TSCSI); Journal of Hydrology (HYDROL); Journal of Systems and Software (JSS); Journal of Sensors (JS); Scientific Programming (SP); Journal of Computer Networks and Communications (JCNC); Central European Journal of Computer Science (CEJCS); Computers & Mathematics with Applications (CAMWA); Egyptian Informatics Journal, Elsevier (EIJ);

2014 3.85 IEEE Transactions on Computers (TC); IEEE Systems Journal (ISJ); Data & Knowledge Engineering (DATA-K); Journal of Parallel and Distributed Computing (JPDC); Concurrency and Computation: Practice and Experience (CCPE); Mathematical Problems in Engineering (MPE); Journal of Web Engineering (JWE); Journal of Computational and Applied Mathematics (CAM); International Journal of Distributed Sensor Networks (IJDSN); Peer-to-Peer Networking and Applications (PPNA); Journal of Cloud Computing: Advances, Systems and Applications (CLCO); International Journal of Digital Earth (IJDE); IEEE Cloud Computing Magazine (CCM); Environment Research (ER);

2013 3.86 World Wide Web: Internet and Web Information Systems (WWW); Informatica (Informatica, from Vilnius, 2013); Simulation Modelling Practice and Theory (SIMPAT); Computing (COMP); Journal of Universal Computer Science(J.UCS); International Journal of Advanced Computer Science and Applications (IJACSA until 2017); Geoinformatics & Geostatistics: An Overview (GIGS); Computer Science (CSCI); Applied Mathematics & Information Sciences (AMIS); IEEE Transactions on Cloud Computing (TCC);

2012 3.87 IEEE Transactions on Parallel and Distributed Systems (TPDS); IEEE Transactions on Dependable and Secure Computing (TDSC); Journal of Network and Computer Applications (JNCA); IEEE Computer (Computer); Scientific Research and Essays (SRE); Computer Science and Information Sciences (ComSIS);

2011 3.88 Journal of Grid Computing, Springer (JGC)

2010 3.89 Journal of Computational Science (JoCS); Computer Standards & Interfaces (CSI); Journal of Supercomputing (JoS);

2008 3.90 Information Sciences, Elsevier (INS)

2007 3.91 Engineering Applications of Computational Fluid Mechanics (JEACFM); International Journal of Grid and Utility Computing (IJGUC); Bulletin of the Belgian Mathematical Society (BBMS); International Journal of Computational Science and Engineering (IJCSE);

2006 3.92 Mathematical Reviews (MR, until 2012); International Journal of Computer Mathematics (IJCM);

2005 3.93 Future Generation Computer Systems, Elsevier (FGCS); Parallel Computing, Elsevier (PARCO); Computing Reviews (CR until 2013); Journal of Systemics, Cybernetics and Informatics (JSCI);

1998 3.94 Annals of West University of Timişoara, Mathematical-Computer Science Series (AWUTM)

1993 3.95 Zentralblat fur Mathematik (ZBL)

3.2.4 Journal editorials

2018 3.96 J. Carretero, J. Garcia-Blas, G. Antoniu, D. Petcu, *New directions in mobile, hybrid, and heterogeneous clouds for cyberinfrastructures*, Future Generation Computer Systems (FGCS), Vol. 87, 2018, 615-617, WoS: 000437997500051, doi: 10.1016/j.future.2018.05.073 (cits: 1)

3.97 G.A.Gravvanis, J.P.Morrison, D.Petcu, T.Lynn, C.K.Filesos-Papadopoulus,*Recent trends in cloud computing*,Future Generation Computer Systems (FGCS) 79, 2018, 700-702,WoS: 000418975100019, doi: 10.1016/j.future.2017.11.006 (cits: 3)

2016 3.98 D. Petcu, *Introduction to the Special Issue on New Approaches for Infrastructure Services*, Scalable Computing: Practice and Experience 17 (4), iii-iv, doi: 10.12694/scpe.v17i4.1199

2013 3.99 V. Stankovski, D. 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), WoS: 000213238700001 link

2012 3.100 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 13 (3), 2012, WoS: 000420400800001, link

3.101 D. Petcu, D. Zaharie, *Agent based systems & semantic software services*, Scalable Computing: Practice and Experiences 13 (1), 2012, WoS: 000420398400001, link

2011 3.102 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 12 (3 & 4), 2011, WoS: 000420396200001, link-1 and link-2

3.103 D. Petcu, M. Paprzycki, *Introduction to the Special Issue - New Directions in Cloud and Grid Computing*, Scalable Computing: Practice and Experiences 12 (2), 2011, link

3.104 D. Petcu, A. Galis, *Introduction to the Special Issue - Selected Papers from the 1st Workshop on Software Services*, Scalable Computing: Practice and Experiences 12 (1), 2011, WoS: 000371244100011, link

2010 3.105 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 11 (2), 2010, WoS: 000420383400001, link (cits: 1)

2008 3.106 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 3.107 D. Petcu, *Practical Aspects of Large-Scale Distributed Computing*, Scalable Computing: Practice and Experience (SCPE) 8 (3), 2007 (electronic version, ISSN 1097-2803, WoS: 000420371200002, link

3.108 D. Petcu, *Challenges concerning symbolic computations on grids*, Scalable Computing: Practice and Experience (SCPE) 6 (3), 2005 (electronic version, ISSN 1895-1767, WoS: 000420360100001, link (cits: 1)

3.2.5 Proceedings editor

2020 3.109 E. De Nitto, D. Zaharie, V. Negru, D. Petcu, 2020 22nd International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), IEEE, : 978-1-7281-7628-4 doi: 10.1109SYNASC51798.2020.00001

2019 3.110 H. Hong, V. Negru, D. Petcu, D. Zaharie, 2019 21st International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), IEEE, 978-1-7281-5724-5 doi: 10.1109/SYNASC.2019.001

2018 3.111 E. Abraham, V. Negru, D. Petcu, D. Zaharie, T. Ida, T. Jebelean, 2018 20th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), IEEE, 978-1-7281-0624-3 doi: 10.1109/SYNASC.2018.001

2017 3.112 T. Jebelean, V. Negru, D. Petcu, D. Zaharie, T. Ida, S. Watt, 2017 19th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), IEEE, ISBN:978-1-5386-2625-2 doi: 10.1109/SYNASC.2017.001

2016 3.113 J. Davenport, V. Negru, T. Ida, T. Jebelean, D. Petcu, S. Watt, D. Zaharie, 2016 18th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), IEEE CSP, doi: 10.1109/SYNASC.2016.001

3.114 J. Carretero, J. Garcia Blas, D. Petcu (Eds), Proceedings of the First PhD Symposium on Sustainable Ultrascale Computing Systems (NESUS PhD 2016) Timisoara, Romania, ISBN: 978-84-608-6309-0, link

2015 3.115 L.Kovacs, V.Negru, T.Ida, T.Jebelean, D.Petcu, S.Watt, D.Zaharie (eds.), 2015 17th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), IEEE CSP, doi: 10.1109/SYNASC.2015.1

2014 3.116 F.Winkler, V.Negru, T.Ida, T.Jebelean, D.Petcu, S.Watt, D.Zaharie(eds.): 2014 16th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), IEEE CSP, doi: 10.1109/SYNASC.2014.1

2013 3.117 N.Bjorner, V.Negru, T.Ida, T.Jebelean, D.Petcu, S.Watt, D.Zaharie(Eds.): 2013 15th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), IEEE CSP, doi: 10.1109/SYNASC.2013.1

3.118 D. Petcu, V. Stankovski: Introduction to the Proceedings of the Workshop on Cloud-enabled Business Process Management (CeBPM) 2012. Web Information Systems Engineering – WISE 2011 and 2012 Workshops, 01/2013: pages 53-54, doi: 10.1007/978-3-642-38333-5_7

2012 3.119 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, IEEE CSP, doi: 10.1109/SYNASC.2012.1

3.120 D. Petcu, E. Troubitsyna (eds.): ADAPTIVE 2012, 4th International Conference on Adaptive and Self-Adaptive Systems and Applications, ISBN: 978-1-61208-219-6

3.121 D. Petcu, L. Barolli, R. Hill: Message from the workshops co-chairs of EIDWT 2012. doi: 10.1109/EIDWT.2012.5

2011 3.122 D.Wang, V.Negru, T.Ida, T.Jebelean, D.Petcu, S.M.Watt, D.Zaharie (Eds.): 2011 13th International Symposium on Symbolic & Numeric Algorithms for Scientific Computing (SYNASC), IEEE CSP, doi: 10.1109/SYNASC.2011.1

3.123 B. Di Martino, D. Petcu, *CCPI 2011: Workshop on Cloud Computing Projects and Initiatives*, LNCS 7155, EuroPar 2011 Workshops, 1-3, WoS: 000371303500001, doi: 10.1007/978-3-642-29737-3_1

2010 3.124 T. Ida, V. Negru, T. Jebelean, D. Petcu, S. Watt, D. Zaharie (eds.), 12th Int. Symp. on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), 2010, IEEE CSP, doi: 10.1109/SYNASC.2010.1

3.125 B. Di Martino, D. Petcu, *CCPI 2010: Workshop on Cloud Computing Projects and Initiatives*, LNCS 6586, EuroPar 2010 Workshops, 551-553, WoS: 000371301900067, doi: 10.1007/978-3-642-21878-1_67

2009 3.126 N. Abdennadher, D. Petcu, Advances in Grid and Pervasive Computing, 4th Int. Conf. GPC 2009, Springer, ISSN 0302-9743, ISBN 978-3-642-01670-7, LNCS 5529, doi: 10.1007/978-3-642-01671-4

3.127 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, IEEE CSP, doi: 10.1109/SYNASC.2009.1

2008 3.128 V. Negru, T. Jebelean, D. Petcu, D. Zaharie, Proceedings of SYNASC 2008, 10th Int. Symp. on Symbolic and Numeric Algorithms for Scientific Computing, IEEE CSP, doi: 10.1109/SYNASC.2008.1

2007 3.129 V.Negru, D.Petcu, D.Zaharie, A. Abraham, B. Buchberger, A. Cicortas, D. Gorgan, J. Quinqueton, 2007 9th Int.Symp.on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), IEEE CSP, doi: 10.1109/SYNASC.2007.1

2006 3.130 D.Petcu, B.Foliot, D.Grigoras, J.Morrison, M.Paprzycki, I. Scherson, B.Toursal, M.Tudruj (eds.), ISPDC 2006, 5th Int. Symp. on Parallel and Distributed Computing, IEEE CSP, doi: 10.1109/ISPDC.2006.27

3.131 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 CSP, 2006, doi: 10.1109/SYNASC.2006.1

3.132 D.S. Katz, M. Baker, A. Apon, M. Ashworth, R.M. Badia, J.C. Cunha, E. Deelman, K. Hawick, R. Moore, L. Moreau, J. Morrison, H. Ong, M. Paprzycki, D. Petcu, O. Rana, D. Roman, O. Shehory, P. Uthayopas, C.-L. Wang, T. Yunck, R. Boakes, G. Smith, R. Lakhoo, M. Grove: Message from the WSGA workshop co-chairs. doi: 10.1109/ICPPW.2006.52

2005 3.133 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, 2005, doi: 10.1109/SYNASC.2005.1

3.134 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, doi: 10.1109/ICPPW.2005.53, 2005

2004 3.135 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

2003 3.136 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

2002 3.137 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

3.2.6 Book editor

2017 3.138 E. Di Nitto, P. Matthews, D. Petcu, A. Solberg, Model-Driven Development and Operation of Multi-Cloud Applications. The MODAClouds Approach, Springer International Publishing, eBook ISBN 978-3-319-46031-4, Softcover ISBN 978-3-319-46030-7, Series ISSN 2282-2577, doi: 10.1007/978-3-319-46031-4 (open access) (cits: 29)

3.139 A. Galis, A. Gavras, F. Álvarez, A. Bassi, M. Bezzi, L. Ciavaglia, F. Cleary, P. Daras, H. De Meer, P. Demestichas, J. Domingue, T. G. Kanter, S. Karnouskos, S. Krvco, L. Lefevre, J. Lentjes, M.-S. Li, P. Malone, A. Manzalini, V. Lotz, H. Müller, K. Oberle, N. E. O'Connor, N. Papanikolaou, D. Petcu, R. Rahmani, D. Raz, G. Richards, E. Salvadori, S. Sargento, H. Schaffers, J. Serrat, B. Stiller, A. F. Skarmeta, K. Tutschku, T. Zahariadis, The Future Internet – Future Internet Assembly 2013: Validated Results and New Horizons, LNCS 7858, Springer, 2013 (open access), doi: 10.1007/978-3-642-38082-2 (cits: 11)

2012 3.140 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, link (cits: 10)

3.2.7 Book introductions

2013 3.141 D. Petcu, A. Galis, and S. Karnouskos, *The Future Internet Cloud: Computing, Networking and Mobility*, in Alex Galis et al (Volume Eds.) The Future Internet – Future Internet Assembly 2013: Validated Results and New Horizons, LNCS 7858, XXI-XXIII, 2013, link

3.2.8 Book reviews

2008 3.142 D. Petcu, A Comprehensive Development Guide for the Globus Toolkit, IEEE Distributed Systems Online, vol. 9, no. 6, 2008, art. no. 0806-o6003, doi: 10.1109/MDSO.2008.15 (cits: 3)

2005 3.143 D. Petcu, Parallel Numerical Applications on Grid Environments, IEEE Distributed Systems Online, vol. 6, no. 4, Apr., 2005, doi: 10.1109/MDSO.2005.21

3.3 Science support activities

3.3.1 Member in steering committees of conference series/Advisory Committee

2015 3.144 OBD (2015-2016),

2006 3.145 ISPDC (from 2006)

2003 3.146 SYNASC (from 2003)

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

2022 3.147 Track Scientific and Industrial applications/CCGrid (IT), ECIS (RO), FiCloud (IT)

2020 3.148 SYNASC (RO)

2019 3.149 Track Edge Computing/CCGrid (CY), SYNASC (RO)

2018 3.150 ICAC/SASO (IT), HPC-ST/SYNASC (RO), WSC/FedCSIS (PL), SYNASC (RO)

2017 3.151 Innovate-Data (CZ), Mobile, Hybrid and Emerging Cloud track & TAPEMS workshop/CCGrid (ES), SOSeMC/ICAC (US), WSC/FedCSIS (CZ), HPC-ST/SYNASC (RO), SYNASC (RO)

2016 3.152 SOSeMC/ICAC (AT), ICA3PP/Track BigData&Appl (SP), CLIoT/ESOCC (AT), MICAS and HPC-ST/SYNASC (RO), WSC/FedCSIS (PL), SYNASC (RO)

2015 3.153 AIMC/Eurosys (FR), CLIoT (IT), MICAS and HPC-E5/SYNASC (RO), SYNASC (RO)

2014 3.154 MultiCloud/CLOSER (SP), MICAS and HPCReS/SYNASC (RO), C4Bio/CCGrid (US), SCoDiS-LaSCoG (PL), SoftwareArch/FiCloud (ES), SYNASC (RO)

2013 3.155 MoCSoP (ES), MICAS and HPCSP/SYNASC (RO), SYNASC (RO)

2012 3.156 WoSS-4/CLASS (SL), C4BB4C/ISPA (ES), EIDWT (RO), CeBPM/WISE (CY), MICAS and WoHS/SYNASC (RO), SYNASC (RO)

2011 3.157 CCPI/Euro-Par (FR), WoSS-2/SYNASC (RO) -3/FedCSIS (PL), IDAACS (CZ), SCoDiS-LaSCoG (PL), SYNASC (RO)

2010 3.158 CCPI/Euro-Par (IT), WoSS-1/SYNASC (RO), SCoDiS-LaSCoG/FedCSIS (PL), SYNASC (RO)

2009 3.159 GPC (CH), LaSCoG (PL), SYNASC (RO)

2008 3.160 LaSCoG (PL), GridTDT-1,-2 (RO), SYNASC (RO)

2007 3.161 LaSCoG (PL), SYNASC (RO)

2006 3.162 ISPDC (RO), GridTDT (RO), LaSCoG (PL), SYNASC (RO)

2005 3.163 VISSAS (RO), LaSCoG (PL), SYNASC (RO)

2004 3.164 SGC (RO), LaSCoG (PL), CaVIS (RO), SYNASC (RO)

2003 3.165 LaSCoG (PL), CaVIS (RO), SYNASC (RO)

2002 3.166 SYNASC (RO)

3.3.3 Panel organizer

2012

3.167 Session 2.3 Interoperability between Clouds /FIA-Aalborg (DK), May 2012

3.168 Interoperability in Cloud Federation / IoS 2012 (BE), Oct 2012

3.3.4 Member in Conference Program Committees

2022 3.169 HCW&ESSA/IPDPS (FR), I4CS (NL), PPAM (PL), Modelsward (AT), IEEE WCNC (US), CLOSER (CZ), ENASE (CZ), ICEIS (CZ), CoDIT (TR), ISCC (DE), ICSOFT (FR),

2021 3.170 HPS & HCW/IPDPS (US), ICCS (PL), BDPS/ICDCS (US), LSDVE&HeteroPar/EuroPar (PT), MOWU/COMPSAC (US), SEAA (SL), I4CS (DE), Modelsward (AT), ICEIS (AT), ENASE (AT), CLOSER (AT), FICC (CA), IEEE WCNC (CHI), ICSOFT (FR), ScalCom (US), Computing (UK), CCN-CPS/ICC (CA), ISPDC (RO), IEEE MobileCloud (V), CSCS23 (RO), IWSG (UK), EDOC (AU), AMDE (PL), SOSE (UK), FedCSIS (OL), CompSysTech (BG), BIR (AT), IDAACS (PL), HPCAsia (RO), CBDCom (CA), FTC (CA), ICT Innovations (MK), GECON (OL), BigData (US), TransAI (US), PiCom (CA), BigService (UAE), ICMLA (US), iThings (AU), RoEduNet (RO), AHPC (US), HPCC (CHI), BalticDB&IS (LT), HI-BI-BI (NL), IUCC (UK), HPCN (UK), CIT (UK), SmartCNS (UK)

2020 3.171 Algorithms track at ICPP (CA), HPS/IPDPS (US), CCNCPS/WoWMoM (IR), ICCS (NL), HeteroPar/ EuroPar (PL), HCW (US), Main track & HPBench & InterCloud-HPC/HPCS (SP), ISPA (UK), HPCC (FJ), I4CS (IN), CISIS (PL), CloudCom (TH), Modelsward (MT), ENASE (CZ), ICEIS (CZ), CLOSER (CZ), MobileCloud (UK), ICSOFT (FR), CloudTech (MA), SOSE (UK), ITGN (US), ICUIA (TW), BDS (UK), AMDE/ANT (PL), PiCom (CA), CoDIT (CZ), Main track & Edge-Ways/ ESOCC (GR), CBDCom (CA), EDOC (NL), ISPDC (PL), GC/TransAI (US), IEEE iSCI (CHI), BIR (AT), IWSG (UK), CANA/FEDCSIS (BG), AC (PT), FTC (CA), ICT Innovations (MK), GECON (SI), CompSysTech (BG), CoCoNet (CHI), BigData (US), SETCAC (IN), iThings (GR), 3ICT (BH), ScalCom (AU), SRC (KB), FAB (CA)

2019 3.172 Edge Comp.Track&TAPEMS&CEBDA/CCGrid (CY), ICCS (PT), HCW/IPDPS (BR), Algorithms track/ICPP (JP), HeteroPar&Euro-EduPar&LSDVE/EuroPar (DE), SFECS track/SAC (CY), MOWU/COMPSAC (US), WCNC (MO), Main track&HPBench&InterCloud-HPC/HPCS (IR), ICA3PP (AU), ISPA (CHI), ICDCIT (IN), I4CS (DE), PPAM (PL), ISPDC (NL), CloudCom (AU), SYNASC (RO) FICC (US), ICSOFT (CZ), MODELSWARD (CZ), Main tracks & MaTCH-BOx/CLOSER (CZ), ENASE (CZ), ICEIS (CZ), IEEE BIgDataService (US), CoDIT (FR), SOSE (US), ICCMIT (AT), CC (UK), IEEE Mobile Cloud (US), TAPEMS (CY), ScalCom (UK), SWC (UK), IWSG (SI), CANA/FedCSIS (PL), CEISEE (PT), CSCS22 (RO), IDAACS (FR), IDC (RU), EDOC (FR), CompSysTech (BG), PiCom (JP), BCI (BG), FTC (US), CP-SCom (US), BigDataSE (NZ), ICACCI (IN), GECON (UK), ICT Innovations (MK), IEEE BigData (US), CBDCom (JP), BIDMA (CA), GC (US), ICSTCC (RO), AC (IT), iThings (US), BDP/HiPC (IN), CoCoNet (IN), FAB (CA), SETCAC (IN), WCI/CoCoNet (IN), DewCom (CA),

2018 3.173 Main track & UC workshop at ICCS (CH), CEBDA/IPDPS (CA), Algorithms track at ICPP (US), HeteroPar & LSDVE & EduPar /EuroPar (IT), Cluster (UK), HCW (CA), HPCC (UK), MOWU/COMPSAC (JP), CCNCPS/ICC (US), HPCS (FR), ICA3PP (CN), ISPA (AU), ISPDC (CH), GPC (CN), ICDCIT (IN), CloudCom - track Edge Computing and Distributed Cloud (CY), CIT (CA), SYNASC (RO) ICDCIT (IN), FICC (SG), IoT-SIU (IN), IT4RIs (NL), SOSE (DE), CC (UK), IEEE BIgDataService (DE), IEEE Mobile Cloud (DE), ICSOFT (PT), EIDWT (AL), i-Society (IR), CANA/FedCSIS (PL), BIDMA (CA), CBDCom (CN), EDOC (SW), SACI (RO), CoDIT (GR), PICom (GR), ScalCom (CN), SmartCity (UK), ICCST (MY), ICT Innovations (MK), FAB (SP), SWC (CN), GECON (IT), WCI (IN), CSE (RO), SETCAC (IN), FTC (CA), ACMiNS (IN), iThings (CA), LISS (CA), CompSysTech (BG), IEEE Big Data (US), AC (HU), CloudWays (IT), PiCom (GR), CloudTech (BE), FICC (US), RoEduNet (RO), DewCom (CA)

2017 3.174 Mobile&HibridClouds track, TAPEMS, EBDMA/CCGrid (SP), ICSOFT (SP), EduPar&HeteroPar& LSDVE /EuroPar (SP), CloudNG/EuroSys (RS), ICCS (CH), MOWU/COMPSAC (IT), HCW (US), ICA3PP (FI), EDOC (CA), HPCS (IT), ISPA (CN), Cloud&ServicesComputing/AINA (TW), ISPDC (AT), PPAM (PL), GPC (IT), CIT (FI), CloudCom - tracks Big Data; Architecture; Distributed cloud (HK), SYNASC (RO) FTC (CA), iThings (UK), GreenCom (UK), GECON (FR), CSCS21 (RO), WCI (IN), CCNCPS (US), Automatics&Informatics (BG), CPSCom (UK), CBDCom (US), AC (PT), BCI (MK), IoTM (CZ), ICSTCC (RO), IDC (RS), FAB (AU), CANA/FedCSIS (CZ),QUDOS (IT), DewCom/MIPRO (HR), PICom (US), IEEE Mobile Cloud (US), SOSE (US), SAI (UK), CompSysTech (BG), ARMS-CC/PODC (US), HPCS/3PGCIC (SP), CloudWays (NO), ICT Innovations (MK), ICACCA (IN), RoEduNet (RO), FCST (UK), ICDCIT(IN), BIDMA(CA), ICCSS(UK), CloudTech(MA), IDAACS(RO), ScalCom(US)

2016 3.175 Sci.Eng.Comp. track/ICSE (FR), IT4RIs/RTSS (PT), CCGrid (SA), CompArch/WICSA (IT), HeteoPar & LSDVE & Euro-EduPar/EuroPar (FR), ICCS (US), CN4IoT/Eurosys (IT), HCW (US), BIS (DE), COMPSAC (US), HPCS (AT), HPCEE/VECPAR (PT), EDOC (AT), TAPEMS/ICA3PP (SP), IEEE IPCCC-CCNSPS 2016 (US), GPC (CN), ISPDC (CN), CloudCom (LU), SYNASC (RO) YSC (RU), PDCTA (SW), CPHPCA (SP), SAI (UK), SOSE (UK), ICDCIT (IN), Service Computation (MT), Mobile Cloud (UK), CloudTech (MA), Performance/FiCloud (AT), CloudScape (BE), ICCGI (SP), INTELLI (SP), ICGREEN (GR), BIDMA (CA), NAA (BG), 3PGCIC (KO), FAB (US), ScalCom (FR), i-Society (IE), IDC (FR), FTC (US), GECON (GR), FiCloud (AT), CIST (MA), AC (DE), LISS (AU), QUDOS/ICPE (DE), CF (SP), CloudCom-Asia (CN), CANA/FedCSIS (PL), RE-HPC (CN), CloudWays (AT), WCI (IN), DewCom (CA), COT (BR), MESOCA (US), PiCom(NZ), CoopIS (GR)

2015 3.176 C4BIE/CCGrid (CN), MASCOTS (US), QUDOS/FSE (IT), LSDVE&DIHC&HeteroPar/Euro-Par (AT), ENASE (SP), HCW (IN), COMPSAC (TW), ICA3PP (CN), GLOBECOM (US), HPCS (NL), GPC (FJ), PPAM (PL), ISPDC (CY), CMS (SE), CST (CN), CloudCom (CA), SOCA (IT), CIT (UK), SYNASC (RO) Service Comp. (FR), SAI (UK), MobileCloud (US), NetSoft (UK), INTELLI (MT), ICCGI (MT), BIS (PL), SOSE (US), BCI (RO), CSCS20 (RO), CloudTech (MA), CANA (PL), WCI (IN), FiCloud (IT), IDC (PT), ICGREEN (IT), CloudScape VII (BE), ABDIS (FR), Ro-LCG (RO), 3PGCIC (PL), IDAACS (PL), Cloudnet (CA), ICA CON (HU), FAB (FR), IoTaaS (IT), AIMC (FR), Euro-EduPar (AT), MESOCA (DE), LISS (SP), FDependSys (CN), CompSysTech (IR), AC (IR), ScoDis-LasCoG/ICTInnovation (MK), CN4IoT, SeaWave&CloudWay/ESSOC (IT), CLASS (SLO), EnCASE (IT), CF (IT), PiCom (UK), IoTaaS (IT), E-MuCoCos (PT), ModelsWard (FR), ICDCIT (IN), CLOSER (PT), ICEIS (SP)

2014 3.177 Cluster (SP), FedICI&DIHC&LSDVE&TASUS&HeteroPar/Euro-Par (PT), C4BIO&C4BIE/CCGrid (US), HCW (US), ENASE (ES), ISPA (IT), BIS (CY), CCA (IN), HPCS (IT), CMS/DEXA (DE), ICA3PP (CN), MDHPCL/MODELS

(SP), CloudCom (SG), ISPDC (FR), SYNASC (RO), ICDCIT (IN), CLOSER (SP), ModelsWard (PT), IEEE MobileCloud (UK), SOSE (UK), IDC (SP), MobiWIS (SP), SERVICE (IT), INTELLI (IT), CCIT (KO), CIST (MO), ABDIS (MK), KSEM (RO), SAI (UK), LISS (US), INCoS (IT), IEEE Cloudnet (LU), MobiWIS (SP), EnCASE (DE), AC (PO), MESOCA (CA), IoTaaS (IT), PICom (CN), RoEduNet/RENAM (MOL), BigdataFromSpace (IT), CIST (MA), CompSysTech (BG), SeaClouds/ESSOC (UK), NordiCloud (SE), BiDS (IT), WCI (IN), CloudMDE (SP)

2013 3.178 CCGrid (NL), HeteroPar, FedICI&DIHC/EuroPar (DE), HCW (IR), ENASE (FR), HPCS (FI), ISPA (AU), ICA3PP (IT), CMS/DEXA (CZ), ICEIS (FR), GPC (KO), PPAM (PL), Applied Computing (US), ICCP (FR), CGC (DE), ISPDC (RO), SYNASC (RO), CIT (AU), MobileCloud (US), SOSE (US), CLOSER (DE), RoEduNet (RO), IDC (CZ), ABDIS (IT) , ICCGI (FR), CSCS19 (RO), PaCT (RU), CyPhySyA (DE), BCI (GR), SAI (UK), INTELLI (IT), IDAACS (DE), MESOCA (NL), Service Computation (SP), ADMNET (JP), BigData (US), 3PGCIC (FR), LISS (CN), NordiCloud (FI), CompSysTech (BG), CLOUSO (SP), RoEduNet (RO), DISCCO (PT), CSE (AU), AIIT (RS), CloudCom-Asia (CN)

2012 3.179 Doct.Symposium & NordiCloud/ECSA (FI), HeteroPar/Euro-Par (GR), ICA3PP (JP), AINA (JP), HCW (CN), ENASE (PL), HPCS (SP), ICEIS (PT), CISIS (IT), ISPDC (DE), GPC (CN), IoTCloud/CloudCom (CN), SYNASC (RO), BCI (SB), ICCGI (IT) , ABDIS (PL), BalticDB&IS (LT), CLOSER (PT), EWDCC (RO), INTELLI (FR), IDC (IT), ePaMuS (IT), CloudCP (SW), HAC (SP), CMS (IT), SWISM (IT), CIST (MA), BIC-TA (MAL), MESOCA (IT), ICCGI (IT), 3PGCIC (CA), LISS (CN), MILES (RO), SeDiS (RO), CompSysTech (BG), CSE (CY), RO-LCG (RO), APPL-COMP (SP), HiperGrid (RO), A4C (IT), IDCS (CN)

2011 3.180 HeteroPar/Euro-Par (FR), AINA (SG), HCW (US), ICA3PP (AUS), ICAART (IT), ICEIS (CN), GPC (FI), CIT (CY), ISPDC (RO), PPAM (PL), Cloud4SOA workshop/CloudCom (GR), SYNASC (RO), ICDCIT (IN), CICIS (KO), LISS (CH), IDC (NL), IDAACS (CZ), ICCGI (LU), 3PGCIC (SP), PaCT (RU), NBIS (AL), HPAGC (IN), WICT (IN), EVACCS (CN), HPGC (KO), ServiceWave/Cloud (PL), CANA (PL), SCOPIN (AL), CompSysTech (A), RoEduNet (RO), MedDecSup (RO), SOCASE (PL), TARDIS (AU), CODS (DE), SocPros (IN), IOCIT (MAL),

2010 3.181 Cluster (GR), Doct.Symp./ECSA (DK), HeteroPar/Euro-Par (IT), HCW (US), ICA3PP (KO), HPCS (FR), GPC (TW), ICEIS (PT), ISPDC (TR), CIT (UK), SYNASC (RO), ADiS (PL), ICAART (SP), ICCGI (SP), SWISM (PL), IDC (MOR), FC (TW), ICAdET (RO), CODS (CN), 3PGCIC (JP), PARCA (RU), ICCC (RO), SOCASE (CAN), CANA (PL), eGov Summit (BG), EDGeS (NL), ICCP (RO), MiDiS (JP), AG (US), INCoS (GR), SOCMAS (US), SEE (US)

2009 3.182 HeteroPar/Euro-Par (NL), HCW (IT), HPCS (DE), GPC (SW), ICEIS (IT), ICETE (IT), PPAM (PL), ISPDC (PT), GADA (PO), SYNASC (RO), ICAART (PO), ICCGI (FR), CODS (DE), IDAACS (IT), PaCT (RUS), EMES (RO), HiperGrid (RO), CSCS17 (RO), HSSS (GR), BCI (GR), KEPT (RO), ICE-B (IT), SACI (RO), CSE (CA), DAIT (UK), ICCP (RO), AG (USA)

2008 3.183 HeteroPar/Cluster (JP), HPCS (CY), CIC (US), ICEIS (SP), ISPDC (PL), GADA (MEX), SYNASC (RO), ANSS (CAN), ICCC (RO), SIWN (UK), CSE (BR), IDC (IT), CANA (PL), CODS (UK), CONTI (RO), ICDCIT (IN), ICCP (RO), KGCM (US), NCUS (CN), HyperGrid (RO), ICVL (RO), NCUS (CN)

2007 3.184 HeteroPar/Cluster (US), HPCS (CZ), ICPADS (TW), ICEIS (SP), PPAM (PL), GADA (SP), CIC (USA), SYNASC (RO), ANSS (USA), ICCGI (FR), PaCT (RU), SMO (EG), ICTIS (MO), IDAACS (DE), SACCS (RO), IDC (RO), SCG (CAN), CANA (PL), EUC (TW)

2006 3.185 HETEROPAR/Cluster (SP), ICPADS (USA), HPCS (DE), ICEIS (CY), CIC (USA), ISPDC (RO), SYNASC (RO), ICCC (RO), ICCGI (RO), ADVIS (TK), WSGA (USA), ICCP (RO), ICVL (RO), NCUS (KO), HiPC (IND), KICSS (THAI), CONTI (RO), CCCT (US), LASCOG (PL), FIMCSIT (PL)

2005 3.186 CIC(US), ISPDC(FR), PPAM(PL), SYNASC(RO), SOFA(HU), IADIS (SP), ICTIS (MOR), WAGSSDA (NO), CCCT (US), ESM (LV), ABC (US), LASCOG (PL), PARNUM (SI), ICCOMP (GR), HPC&S (LV), NCUS (JP), CNIV (RO)

2004 3.187 ISPDC (IR), SYNASC (RO), ADVIS (TUR), SCI (US), CCCT (US), CONTI (RO), ICCC (RO), CNIV (RO)

2003 3.188 ISPDC (SI), PPAM (PL), SYNASC (RO), SCI (US), CNIV (RO)

2002 3.189 SYNASC (RO)

2001 3.190 SYNASC (RO)

3.3.5 Member in Habilitation or PhD thesis defence committees

2021 3.191 West Univ. Timisoara (RO)

2020 3.192 West Univ. Timisoara (RO), Univ. Politehnica Timisoara (RO)

2019 3.193 Univ.College Cork (IE)

2018 3.194 Univ. Innsbruck (AT), Univ.College Cork (IE)

2017 3.195 Univ. Politehnica Bucharest (RO), Univ. Pavia (IT)

2016 3.196 West Univ. Timisoara (RO), Univ. Politehnica Bucharest (RO), Univ. Politehnica Timisoara (RO), Politehnico di Milano (IT), Univ. York (UK)

2015 3.197 West Univ. Timisoara (RO), 2 x Johannes Kepler Univ. of Linz (AT), Univ. Pisa (IT)

2014 3.198 Univ. Politehnica Timisoara (RO), Univ. Babes-Bolyai Cluj-Napoca (RO)

2013 3.199 2 x West Univ. Timisoara (RO), 2 x Univ. Politehnica Timisoara (RO), Univ. Politehnica Bucuresti (RO), Univ. Tehnica Cluj- Napoca (RO), Univ. Carlos III of Madrid (SP)

2012 3.200 West Univ.Timisoara (RO), Univ.Politehnica Timisoara (RO), Ss.Cyril and Methodius Univ. Skopje (MK)

2011 3.201 West Univ.Timisoara (RO), Univ.Politehnica Timisoara (RO), Univ. Babes Bolyai Cluj-Napoca (RO), Univ.College Cork (IE)

2010 3.202 2 x Gh. Asachi Technical Univ. Iasi (RO)

2009 3.203 West Univ. Timisoara (RO), 3 x Univ. Politehnica Timisoara (RO), Univ. Pisa (IT)

2008 3.204 2 x Univ. Politehnica Bucuresti (RO), 1 x Univ. Tehnica Cluj (RO)

2006 3.205 West Univ. Timisoara (RO), Univ. College Cork (IE)

3.3.6 Consolidation of research teams

3.206 attract R&D funds for Institute e-Austria Timisoara, 2002-present for 5+ team members (yearly)

3.4 Research grants and attracted R&D funds for local teams

3.4.1 International research grants

Project coordinator

2012 3.207 FP7-RegPOT HOST: High Performance Computing Service Center, 2012-2014, 2 226 272 Euros/UVT
2010 3.208 FP7-ICT SPRERS: Strengthening the Participation of RO at EU R&D in Software Services, 2010-2011, 414415 Euros/UVT

Scientific coordinator

2010 3.209 FP7 mOSAIC: Open-source API and Platform for multiple Clouds, 2010-2013, 374 550 Euros/IeAT

Coordinator of bilateral projects

2009 3.210 SciCom: Scientific Computing Platform. Collaboration Romania-Austria, 2009-2010, 22 000 Lei/UVT
2008 3.211 AEMTIA: Automated Exploration of Mathematical Theories for Industrial Applications, 2008-2011, 156 000 Euros/IeAT
2006 3.212 COBURDIS: Collaboration Romania-Ukraine in Distributed Computing, 2006-2007, 11 000 Lei/UVT
2002 3.213 Automated verification of software and hardware components, IeAT & RISC Linz, 2002-2005, 413 350 Euros/IeAT
1996 3.214 Entwicklung paralleler Algorithmen für die Lösung steifer Differentialgleichungen, 1996, U. Ruprecht-Karls Heidelberg,

Local team coordinator in collaborative projects

2020 3.215 CHIST-ERA DIPET, 2020-2023, 200 000 Euros/UVT
2018 3.216 H2020-FETHPC ASPIDE, 2018-2020, 227 175 Euros/IeAT
2017 3.217 InnoReg-Danube InnoHPC, 2017-2018, 131 000 Euros/UVT
2015 3.218 H2020-EINFRA VI-SEEM, 2015-2018, 148 750 Euros/UVT
3.219 H2020-EINFRA SESAME NET, 2015-2017, 114 062 Euros/UVT
3.220 H2020-ICT CloudLightning, 2015-2018, 283 750 Euros/IeAT
3.221 H2020-ICT DICE, 2015-2018, 295 375 Euros/IeAT
2014 3.222 CIP Share-PSI 2.0, 2014-2016, 20 000 Euros/UVT
3.223 COST NESUS, 2014-2018, 15 000 Euros/UVT
2013 3.224 FP7 SPECS, 2013-2016, 220 800 Euros/IeAT
3.225 FP7 SCAPE, 2013-2014, 90 880 Euros/UVT
2012 3.226 FP7 MODAClouds, 2012-2015, 355 136 Euros/IeAT
3.227 CIP SEED, 2012-2014, 115 722 Euros/IeAT
2010 3.228 FP7 HP-SEE, 2010-2013, 27 700 Euros/UVT
2009 3.229 COST ComplexHPC, 2009-2013, 15 000 Euros/UVT
2008 3.230 FP7 DEHEMS 2008-2011, 156 492 Euros/IeAT
3.231 FP7 SEE-GRID-SCI, 2008-2010, 24 346 Euros/UVT
2006 3.232 FP6 SCIEnce, 2006-2011, 208 560 Euros/IeAT

Member

2010 3.233 FP7 EGI-Inspire, 2010-2014
2008 3.234 FP7 EGEE-3, 2008-2010
2007 3.235 FP6 SEE-GRID-2, 2007-2008
3.236 FP6 EGEE-2, 2007-2008
2005 3.237 FP6 VISP, 2005-2009
3.238 FP6-ERG5 SysteMaThEx, 2005-2007

3.4.2 International funds, national execution

Project coordinator

2009 3.239 InfraGrid: Service-oriented Grid Infrastructure, EC Structural Funds, 2009-2011, 1 911 601 Ron/UVT
2008 3.240 ESA GISHEO: On-demand Grid services for training and high education in Earth Observation, 2008-2010, European Space Agency – PECS Programme, 166 500 Euros/UVT
2000 3.241 Distributed environments for solving scientific problems, 2000-2001, International Bank for Reconstruction and Development & CNCSIS, 10 000 USD/UVT.

3.4.3 National research grants

Project coordinator

2021 3.242 COCO: Adaptivity in cloud-to-edge COntinuum COmputing, 2021-2023, 1 198 032 Ron/UVT
2018 3.243 BID: Big Data Science, 2018-2020, 5 000 000 Ron/UVT
2012 3.244 AMICAS: Automated Management in Cloud, 2012-2016, 1 348 000 Ron/UVT
2006 3.245 GRAI: Grid computing and Artificial Intelligence, 2006-2008, 472 500 Ron/UVT
2005 3.246 ProWest:Promotion of the research activities in computer science in West Romania,2005-2007, 180000 Ron/IeAT&UVT
3.247 P-systems: Models and implementations for simulating P systems, 2005-2006, 3 000 Ron/IeAT
2004 3.248 CompGrid: high performance computing on wide area networks, 2004-2006, 575 000 000 Lei/UVT
2002 3.249 High performance computing technologies based on grid and cluster architectures, 2002-2003, 70 000 000 Lei/UVT
1998 3.250 Parallel& distributed processing in graphics,image processing& computational geometry,1998-1999,22000000 Lei/UVT

Project coordinator in co-funding FP7 projects/'price' contracts for H2020 projects

3.251 CloudLightning+, 2016-2018, 96 005 Ron/IeAT

3.252 DICE+, 2016-2018, 99 939 Ron/IeAT
3.253 MODAClouds-RO, 2013-2015, 494 280 Ron/IeAT
3.254 mOSAIC-RO, 2011-2013, 471 000 Ron/IeAT
3.255 DEHEMS-RO, 2009-2010, 214 223 Ron/IeAT

Local team coordinator in collaborative projects

2005 3.256 MedioGrid: Parallel and distributed image processing on grid architecture of geographical and environment data, 2005-2008, 124 195 Ron/UVT
3.257 GridMOSI: Virtual organization based on Grid technology for high performance modelling, simulation, and optimization, 2005-2008, 190 000 Ron/UVT
3.258 NanoSim: Transport phenomena and structure formation at the micro/nanometer scale in biomedicine and materials science, 2005-2008, 118 000 Ron/IeAT
3.259 ForMol: Computational formalism inspired by Molecular Biology, 2005-2008, 180 000 Ron/IeAT

Member

2008 3.260 ASISTSYS: Integrated System of Assistance for Patients with Severe Neuromotor Affections, 2008-2011
3.261 SCIPA: Semantic software services for collaboration and inter-operability for adaptive business processes, 2008-2011
2007 3.262 SIPADOC: Integrated system for the digitization and capitalization of the document's cultural patrimony, 2007-2010
3.263 PEGAF: Grid-based experimental platform for developing applications based on workflows and with dynamic allocation of resources,2007-2010
2006 3.264 SIAPOM: Integrated System for Analysis and Multidisciplinary Design Optimisation, 2006-2008
2005 3.265 SINRED: National management system for digital resources in science & technologies based on Grid architectures, 2005-2008
3.266 MindSoft: Multi-agent models and soft computing in knowledge engineering, 2005-2007
2001 3.267 Distributed models for solving complex problems, 2001-2002.
2000 3.268 Center for advanced technologies in computer science, 2000-2001.
1998 3.269 Intelligent interfaces for nonlinear problems, 1998-2000.
1997 3.270 Pilot center for teaching informatics, 1997-2002
3.271 Computational geometry in movement planning, 1997.
3.272 Computer program for the strength to the seismic loads, 1997.
1996 3.273 Biographic methods for the study of nonlinear and unelastic behaviour of steel structures under seismic actions, 1996
1995 3.274 Intelligent environments for scientific computing, 1995-2002
3.275 Computing methods for seismic actions on steel structures, 1995.
1993 3.276 Coupling symbolic and numeric calculus, 1993-1994.

Chapter 4
Activity impact

4.1 Selected citations

Ref	Cits	DOI or link
(2.1)	179	2021: 10.53799/ajse.v20i2.120, ISCA arXiv:2105.00560 10.1016/j.apenergy.2021.116969, 10.1007/978-3-030-75078-7_14, 10.1016/j.matpr.2020.12.536, 2020: 10.1109/ACCESS.2020.3045768, 10.18034/ajtp.v7i3.499, 10.1007/978-94-6265-407-5_5, 10.1007/s11831-020-09492-4, 1006-7930 10.1016/j.pmcj.2020.101280, 10.1186/s13677-020-00194-7, 10.23919/CISTI49556.2020.9140933, 10.1007/s00500-020-04931-7, tel-01206244 2019: 10.13140/RG.2.2.12301.28649, 10.30534/ijatcse/2019/61852019, IJNGC-19 10.1109/ACCESS.2019.2943498, 10.35940/ijitee.L2577.1081219, 10.1007/978-981-15-0029-9_8, 1943-023X-17-7-1715 10.1109/ACCESS.2019.2938044, 10.21276/ijircst.2019.7.3.12, 10.1145/3299869.3300103, 10.1016/j.future.2019.05.012, 10.3837/tiis.2019.03.002, 10.1109/TEM.2018.2884866, 10.20378/irbo-54102, JARDCS-11-7 h-11714-5691, e-49877, 2018: 10.1108/IDD-02-2018-0006, 10.5772/intechopen.75464, IBM-RC25681, 2321-2152, 10.1051/matecconf/201820000007, 10.1007/978-981-13-0344-9_19, 10.1007/978-3-319-93659-8_95, 10.5772/intechopen.74459, 10.5220/0006705604480455, 10.1145/3158661, 10.1007/978-3-319-79090-9_8, 10.1007/978-3-319-79090-9_6, 10.26483/ijarcs.v9i2.5896, 10.1109/TCC.2016.2537333, h-10292-12003 1807.06724 2017: 10.1109/CCEM.2017.23, 10.23919/ICITST.2017.8356428, 0976-3104, ISTB, 10.1109/GLOCOM.2017.8254488, 978-82-7368-436-3-1, 978-82-7368-436-3-2, 10.1007/s10586-017-1248-y, 10.1007/978-981-10-6620-7_64, 10.1109/CLOUD.2017.89, 10.26483/ijarcs.v8i7.4540, 10.1016/j.future.2017.09.020, 10.1109/TMSCS.2017.2675888, 10.1007/978-3-319-52181-7_8, 10.22161/ijaers.4.1.28, 10863-4830 10863/4898 PU 10.18178/ijimt.2017.8.4.745, 2016: 10.1002/spe.2409, CAI:1335-9150/3546, 10.1088/1757-899X/225/1/012184, 10.1109/ICITST.2016.7856739, 10.1145/3008167.3008173, 10.1186/s40411-016-0033-6, 10.1080/23302674.2016.1242819, 10.1007/978-3-319-47221-8_4, 10.7160/aol.2016.080305, 10.1109/FiCloud.2016.56, 10.1007/s00607-014-0421-x, 10.1057/9781137324245_17, 10.1109/NOMS.2016.7502858, 10.1007/s11761-016-0195-4, 10.1109/MobileCloud.2016.20, 10.1002/9781118821930.ch14, 10.11591/ijece.v6i2.8270, 10.1007/978-3-319-38904-2_22, 10.12694/scpe.v17i2.1157, ACM-3027054, 978-3-86309-399-0, arXiv:1602.02698v1, 10.1016/j.csi.2016.02.002, et-16428, h-10536, h-10012-10672, h-10016-23408, UAEU-704, ub-46559, UWS-16, 2015: ACM-3233455 10.1016/j.future.2015.07.019, 10.1109/CICN.2015.179, 10.1109/CloudCom.2015.61, 10.1186/s13677-016-0054-z, 10.1016/j.scico.2015.09.004, 10.1016/j.procs.2015.11.066, 10.1007/978-3-319-25043-4_8, 10.1109/AICCSA.2015.7507130, 10.14445/22312803/IJCTT-V27P110, 10.1007/973-3-319-19387-8_105, 10.1109/MIPRO.2015.7160280, 10.1016/j.simpat.2015.04.002, 10.1016/j.future.2014.12.006, 10.1002/cpe.3012, IJCSIS-14-12-242 10.1007/978-3-319-14886-1_26, 10.5815/ijeme.2015.04.04, 10.1109/MIPRO.2015.7160281, 10.1109/CLOUD.2015.16, 10.1007/s13369-015-1703-0, 10.1016/j.procs.2015.04.063, 10.5220/0005441203310342, 10.4018/978-1-4666-8339-6.ch002, tel-01206244, 2014: 10.1186/s13174-014-0011-3, 10.1145/2684200.2684324, 10.1186/s13174-014-0017-x, 1617-5468, 10.1177/0954405413506197, 10.1007/978-3-319-14313-2_32, 10.1007/978-3-662-45550-0_38, 10.1016/j.diin.2014.08.002, 10.1109/COMPSACW.2014.85, 10.1016/j.simpat.2014.07.007, 10.1186/s13677-014-0009-1, 10.1002/cpe.3293, 10.1007/978-3-319-05506-0_5, 10.1007/s10515-014-0143-5, 10.5121/ijnsa.2014.6103, 10.1007/978-1-4614-7535-4_22, 10.1145/2593512, 10.1007/978-1-4471-6452-4_11, 10.1007/978-1-4471-6452-4_9, 10.1109/MESOCA.2014.13, 1613-0073:1242, 10.1109/INFCOMW.2014.6849160, 10.5220/0004844400950102, 10.1109/SOSE.2014.26, tel-01009918v2, ua-8269, 10.5220/0004856401120117, 2013: hal-01020318 10.1007/978-3-319-00557-7_34, 10.1007/978-3-642-40651-5_6, 10.1186/2192-113X-2-22, 10.1504/IJSPM.2013.059418, 10.1007/978-3-642-45364-9_18, 10.5220/0004370603210330, DL.ACM.2555535, 10.1145/2541583.2541585, 10.1109/CLEI.2013.6670667, 10.1109/SOCA.2013.30, 10.1016/j.future.2013.10.021, 10.3923/jai.2013.68.74, 1613-0073:1118, 10.1109/CloudCom.2013.130, 10.1145/2490257.2490290, 10.1145/2513534.2513541, hdl.handle.net/11343/38234, 10.2478/rput-2013-0002, JISBD/2013/052 b-30567, 2012: 10.1109/SYNASC.2012.55, 10.1016/j.future.2012.12.012, 10.1109/ICAICT.2012.6398496, 10.1016/j.future.2012.09.006, 10.1145/2377836.2377841, 978-87-643-1014-6, 10.1145/2361999.2362011, 978-960-9416-05-4,
(2.2)	3	2015: 10.1109/MC.2015.331, 2014: 10.5194/isprsarchives-XL-7-133-2014., 2013: 10.1007/978-3-642-39479-9_19,
(2.3)	4	2020: 10.1145/3404397.3404418, 2012: Xplore:6236592, 2009: 10.1002/num.20556, 2007: 10.1016/j.parco.2007.10.004,
(2.4)	11	2020: 10.24200/j30.2019.52585.2491, 2018: red handle-10220-45878, 2017: 10.1016/j.jcsr.2017.04.004, 2015: tel-01391434, 2014: 978-88-6198-097-6, 2013: 10.1002/eqe.2253, 2011: 10.1016/j.eswa.2010.10.070, 2008: 10.1016/j.engstruct.2008.12.001, 2007: 10.1016/j.jcsr.2006.09.004, 2006: 10.1016/j.jcsr.2006.01.003,
(2.5)	2	2017: 10.1016/j.jpdc.2017.02.011, 2010: UNR-10
(2.6)	109	2021: 10.1016/j.engstruct.2021.113193, 10.1016/j.tws.2021.108366, 10.7712/120121.8676.19039, 10.12989/scs.2021.40.4.481, 10.1051/e3sconf/202123602024, 10.3390/books978-3-03943-215-8, 2020: 10.1016/j.engstruct.2020.110708, 10.1002/stab.201900108, 2019: 10.1063/1.5114253, 10.1201/9780429426506-205, 10.1201/9780429320248, 10.3390/app9245533, 10.3390/app9081528, 10.2174/1874836801913001 2, 10.12989/scs.2019.30.2.123, 2018: 10.1061/(ASCE)ST.1943-541X.0002197, 10.1007/s13369-018-3446-1, 03931420-35-3-5 10.12989/scs.2018.26.4.439, 10.1007/s40996-017-0081-0, , handle-10220-45878, 2017: 10.1002/9783433609194, 10.7712/120117.5415.16894, 10.1016/j.jcsr.2017.12.019, 2538-516X:1(7), 10.1016/j.jcsr.2017.03.022, 10.1016/j.jcsr.2017.02.020, 10.12989/scs.2017.23.1.053, 2016: 10.1007/s10518-016-9897-4, 1673-2049(2016)06-0014-10, 10.1002/eqe.2825, 10.11908/j.issn.0253-374x.2016.05.004, 10.1016/j.jcsr.2016.05.008, 10.1016/j.hbrcj.2016.01.005, 10.4028/www.scientific.net/AMM.821.709, ep-15908 2249-6149-6-2 2015: 10.1016/j.jcsr.2015.11.008, 10.1016/j.jcsr.2015.10.024, 978-960-99994-7-2, 10.12989/scs.2015.19.2.467, 10.1080/13287982.2002.11464900, 10.1016/j.engstruct.2015.09.042, tel-01391434, 2014: 978-163266710-6, 10.1016/j.jcsr.2014.10.003, 10.1016/j.jcsr.2013.12.004, 10.13140/2.1.4991.7764, SSRC 2014, 10.1016/j.tws.2014.05.002, 1000-6869:35(4), 2013: 10.6052/j.issn.1000-4750.2012.12.1013, 10.1016/j.tws.2013.09.015, 10.1002/eqe.2253, 10.1016/j.jcsr.2013.07.022, 10.1007/s10518-012-9420-5, 10.1016/j.jcsr.2013.05.020, 10.1016/j.engstruct.2012.10.035, 10.1016/j.jcsr.2012.10.006, 0976-4399:3(3), 10.1201/b15963-223, 132823302, h/10356/51773, 2012: 10.3969/j.issn.1005-0159.2012.03.007, 10.1016/j.tws.2012.01.005, 10.1016/j.jcsr.2012.07.003, 10.1061/(ASCE)CC.1943-5614.0000264, 2011: 10.4028/www.scientific.net/AMR.287-290.1902, h-2440-68823, 2010: JAKO201029848350569 10.1016/j.eswa.2010.10.070, 2008: 10.1061/(ASCE)0733-9445(2008)134:12(1873), 10.1016/j.jcsr.2007.11.001, 10.1002/eqe.809, 10.2298/TAM0803191L, h-2142-9265 JAKO200810103421533, 2007: 10.1061/40944(249)34, 10.1016/j.engstruct.2006.11.030, 10.1016/j.engstruct.2006.11.031, 10.1016/j.jcsr.2006.09.004, h/10356/12064 2006: 10.1016/j.engstruct.2005.09.014, 10.1556/Pollack.1.2006.1.2, 10.1016/j.jcsr.2006.01.003, 2005: etd-2670 2004: 10.1016/S0143-974X(03)00132-9, RG-CEE-04, PQ3165459 2003: 10.1002/pse.161, hdl.handle.net/2268/11118, 10.1016/S0141-0296(02)00178-5, 9058095770, 2002: 10.1080/13287982.2002.11464896, 2001: 10.1016/S0143-974X(01)00035-9, KSSC-3-2001-1-3-153 2000: 10.1007/978-94-010-0950-8_3, 10.1016/S0143-974X(99)00037-1, 10.1002/1528-2716(200004/06)2:2¡169::AID-PSE20¿3.0.CO;2-E, 0-415-23577-4/409, 0-415-23577-4/513,
(2.7)	57	2021: 10.1016/j.tws.2021.108352, 10.1016/j.engstruct.2021.113193, 10.1016/j.tws.2021.108366, 10.1051/e3sconf/202123602024, 2020: 10.1016/j.engstruct.2020.111242, 10.1016/j.engstruct.2020.110708, 10.24200/j30.2019.52585.2491, 2019: 10.1201/9780429426506-205, 10.7712/120119.6913.19160, 10.1016/j.engstruct.2019.109624, 978-0-367-33503-8 10.3390/app9081528, 10.1016/j.eng.2018.11.026, 10.12989/scs.2019.30.2.123, ICL-2019 2018: 10.1007/s13369-018-3446-1, 03931420-35-3-5 10.12989/scs.2018.26.4.439, 10.1007/s40996-017-0081-0, , 2017: 10.1002/9783433609194, 10.1016/j.jcsr.2017.12.019, 2538-516X:1(7), 2016: 1673-2049(2016)06-0014-10, 10.1002/eqe.2825, 10.1016/j.jcsr.2016.05.008, 10.1007/s10518-016-9897-4, 10.4028/www.scientific.net/AMM.821.709, 2015: 10.1016/j.engstruct.2015.09.042, 9781510802346, 978-960-9439-36-7, 10.1016/j.tws.2014.05.002, JBS, 10.1007/s13296-014-2007-z, 2013: 10.1016/j.tws.2013.09.015, 10.6052/j.issn.1000-4750.2012.12.1013, 10.1002/eqe.2253, 10.1016/j.jcsr.2013.07.022, 10.1007/s10518-012-9420-5, 10.1016/j.jcsr.2013.05.020, 10.1016/j.engstruct.2012.10.035, 10.1016/j.jcsr.2012.10.006, 978-3-902749-04-8, 132823302, 0976-4399-3-3 2012: 10.3969/j.issn.1005-0159.2012.03.007, 10.1016/j.tws.2012.01.005, 10.1016/j.jcsr.2012.07.003, 10.1061/(ASCE)CC.1943-5614.0000264, 2011: 10.4028/www.scientific.net/AMR.287-290.1902, 10.1016/j.eswa.2010.10.070, 2010: 10.1061/(ASCE)ST.1943-541X.0000259, 10.1002/eqe.809, 10.2298/TAM0803191L, 2007: 10.1016/j.engstruct.2006.11.030, 10.1016/j.engstruct.2006.11.031, 10.1016/j.jcsr.2006.09.004, 2006: 10.1016/j.jcsr.2006.01.003, 2005: etd-2670 2004: RG-CEE-04, 2003: 10.1002/pse.161, 10.1016/S0141-0296(02)00178-5, 2002: 10.1080/13287982.2002.11464900, 10.1080/13287982.2002.11464896, 2001: KSSC-3-2001-1-3-153
(2.8)	2	2021: 10.1109/TC.2021.3070639, 2020: 10.1007/s10723-020-09508-0,
(2.9)	100	2021: 10.1016/j.simpat.2021.102393, 10.1007/s10586-021-03253-z, 10.1007/s10723-021-09549-z, 10.1007/s12065-020-00555-w, 2020: 10.1186/s13677-020-00194-7, 10.1007/978-3-030-43198-3_5, 10.1002/ett.4095, 10.1007/s10723-020-09516-0, doi: 10.1109/TPDS.2020.2981306 10.1002/spe.2794, 10.1134/S000511792004013X, US10534678B2 978-84-1306-529-8 2019: 10.1142/S0218843019500126, 10.1007/978-3-030-36027-6_8, MGTA-11-3 10.1007/s10723-019-09492-0, 10.1109/SCC.2019.00034, 10.1109/CEC.2019.8790110, 10.3390/electronics8080852, 10.3233/978-1-61499-941-6-95, 10.1007/s11704-018-8012-1, 10.25105/me.v27i1.5304, b-10371/162029 2018: 10.1017/S0269964818000323, 10.5220/0006705604480455, 10.1109/ICACCI.2018.8554608, 10.1016/j.future.2018.11.025, 10.1016/j.future.2018.09.032, 10.1007/s10723-015-9356-5, 10.1007/978-3-319-97571-9_11, 10.1007/978-3-319-94295-7_3, 10.1016/j.future.2018.05.087, 10.1145/3150227, 10.1145/3125621, 10.1166/jctn.2018.7499, 2017: 10.1109/AICCSA.2017.204, 10.1109/FiCloud.2017.18, 10.1007/s10723-017-9421-3, 10.1007/s10723-017-9418-y, 10.1007/s10723-017-9417-z, 10.1177/1478077117731174, 10.1109/SARNOF.2017.8080393, 10.1016/j.future.2017.06.015, 10.1109/CompComm.2016.7925193, 10.1007/s10586-017-0897-1, 10.1145/3054177, 10.1007/s10723-017-9395-1, 10.1016/j.jnca.2016.10.008, 10.1007/978-3-319-46031-4_9, 10.1007/978-3-319-46031-4_3, tel-01534528, 10.18419/opus-9093, h-2117-108507, h-1853-60150, h-10197-9532, tel-02412887, 10.6092/unibo/amsdottorato/7791, 2016: 10.1109/ICPADS.2016.0090, 10.1109/TSC.2016.2634024, 10.1186/s40411-016-0033-6, 10.1109/ICCAC.2016.13, 2326-7550:4(1), 10.1109/MWC.2016.7721750, 10.1007/978-3-319-44257-0_11, 10.4018/978-1-4666-9840-6.ch020, 10.1007/s10723-016-9361-3, 10.1016/j.future.2016.05.041, 10.1109/MobileCloud.2016.20, 10.1007/s10723-015-9359-2, PubDat-249364, et-13333, 2015: 10.1109/CLOUD.2015.53, 10.1109/CLOUD.2015.101, 10.1109/CloudCom.2015.95, 10.1109/CloudCom.2015.69, 10.1007/s10723-015-9357-4, 10.1007/978-3-319-29582-4_13, 10.1016/j.future.2015.02.005, 10.2991/iwmecs-15.2015.44, 10.5220/0005495104870496, 10.1007/s10723-015-9335-x, 10.1007/978-3-319-28448-4_8, 10.1109/CLOUD.2015.63, 10.1109/CCAA.2015.7148472, 10.1007/s10723-015-9354-7, 10.4018/IJSSOE.2015100101, 10.1109/CCAA.2015.7148448, 10.1007/978-3-319-14886-1_14, diva2:849876, h-11343-58928, PhD-TuWien, 2014: d-nb-1054989 tel-01127070 10.1109/CLOUD.2014.138, 10.1109/CloudNet.2014.6968976, 10.1109/SYNASC.2014.60, 10.1109/UCC.2014.36, 10.1007/978-3-319-14313-2_1, 10.1109/CloudCom.2014.150,
(2.10)	4	2020: 10.1007/s10723-020-09516-0, 2017: 10.1007/s10586-017-0728-4, 2016: 10.1016/j.jnca.2016.12.009, 2014: 10.1504/IJGUC.2014.060198,
(2.11)	41	2021: 10.5753/semish.2021.15804, 2020: 10.1109/UCC48980.2020.00043, 10.1007/978-3-662-62308-4_7, 10.1504/IJGUC.2020.107615, 10.1007/978-3-030-48340-1_4, 10.1109/ACCESS.2020.2980852, 2019: hal-02127609 10.1109/CloudCom.2019.00044, h/10468/9481 2018: 10.1007/s10586-018-2816-5, 10.1109/PDP2018.2018.00033, 10.1002/cpe.4335, 10.1145/3148149, 2017: 10.1109/BigData.2017.8258201, 10.1109/ISPDC.2017.15, 2177-496X:SBRC.2017, 10.1109/TSC.2017.2711009, UPavia, 2016: 2322-4347:4(4) 10.1109/CloudCom.2016.0031, 10.1007/s00607-016-0507-8, 10.1007/978-3-319-28406-4_3, h-10589-131916, orca-96984, h-11343-127335, h-10012-10133, h-2159-19438, 2015: 10.1016/j.future.2015.07.003, 10.1504/IJCC.2015.071728, 10.1007/s11227-015-1380-5, 10.1109/IPDPSW.2015.114, 2014: 10.1186/s13174-014-0011-3, WCGA 2014, 10.1145/2593793.2593799, 10.1109/CLOUD.2014.110, 10.12720/jcm.9.4.286-298, DL.ACM.2735532, SWIN, 2013: 10.1109/CCGrid.2013.74, 2177-496X:SBRC.2013,

(2.12) 2 2015: 10.1155/2015/357378, 10.1002/cpe.3421,

(2.13) 37 2021: 10.1080/10106049.2021.1996642, 10.1109/JSTARS.2021.3110811, ,red 2020: 10.1109/JSTARS.2020.3020839, 10.1109/JSTARS.2020.3004064, 10.1051/e3sconf/202016503001, 10.3390/rs12030414, RG-355574821 2019: 10.1109/JSTARS.2019.2920077, 10.1007/s11554-019-00880-z, 10.3390/s19030598, 2018: 10.1007/978-981-13-2712-4_8, 10.1109/JSTARS.2018.2837149, 10.1080/17538947.2018.1432709, O-Kuti, 2017: 10.1109/iThings-GreenCom-CPSCom-SmartData.2017.164, 10.14257/ijsip.2017.10.2.01, 10.1109/JSTARS.2017.2737958, 10.1016/j.optlaseng.2017.06.002, 10.1002/asjc.1375, 10.3390/rs9121301, h-10553-41780, 2016: 0254-3087:669401250, 10.1109/JSTARS.2016.2614842, 10.3969/j.issn.1001-3695.2016.10.067, 10.11834/jrs.20166179, 10.3969/j.issn.0254-3087.2016.06.023, 10.1109/JSTARS.2016.2574876, 10.1109/JSTARS.2016.2558492, hdl:1946/25244 ug-8602469, 2015: 10.1109/JSTARS.2015.2453411, 10.1109/JSTARS.2015.2427656, 10.1109/JSTARS.2015.2390626, 10.1109/TGRS.2015.2424719, 1006-6616(2015)02-0190-09 2014: 10.1109/INES.2014.6909366,

(2.14) 3 2015: 10.1109/MCSE.2015.88, proq-3746508 ukl-18467 2014:

(2.15) 8 2019: 10.1007/978-981-13-8406-6_46, 2018: 10.1145/3264746.3264770, 10.1016/j.compeleceng.2018.07.023, 2015: 10.1109/CSCS.2015.86, 10.1007/s00500-014-1539-7, 2013: 10.1109/ICCP.2013.6646132, 2012: 10.1016/j.asoc.2012.06.018, 2011: 10.1007/s10723-011-9185-0,

(2.17) 4 2013: h-1807-36082, 2011: 10.1080/00207160903410481, 2009: 1370-1444:16(4), 2008: 1370-1444:15(2),

(2.18) 1 2006: 10.1007/11863649_27,

(2.19) 5 2016: 10.1007/978-981-10-3611-8_23, 2014: upm-33901, 2012: upm-14680, 2010: 10.1109/BICTA.2010.5645257, 2007: unirioja-8167,

(2.21) 1 2007: 10.1007/s11227-007-0103-y,

(2.23) 1 2017: 1996-1588:1(24),

(2.24) 3 2018: 10.14513/actatechjaur.v11.n3.457, 2017: 10.4203/ccp.111.30, 2014: 10.1007/s00371-014-1028-0,

(2.25) 1 2009: US Patent 7015913

(2.26) 5 2018: 10.14513/actatechjaur.v11.n3.457, 2005: 10.1007/11535294, 2003: 10.1016/S0747-7171(02)00137-2, 2002: 10.1.1.165.1636,

(2.27) 1 2018: 10.1002/cpe.4470,

(2.29) 5 2018: 10.14513/actatechjaur.v11.n3.457, 2017: 10.4203/ccp.111.30, 2012: 0122-6517:8(1), 2008: 10.1109/ISPA.2008.19, 10.1109/ISPA.2008.57, 10.1007/978-3-540-72586-2_90,

(2.32) 3 2021: 978-1-53619-417-3 2017: 2224-2880:16, 2009: 10.1016/j.jco.2009.05.001,

(2.33) 32 2021: 10.1186/s13677-021-00258-2, 10.4018/978-1-7998-5339-8.ch042, 10.30534/ijatcse/2021/1451032021, 2020: 1454-9069-21-4-377 10.1007/s10951-016-0491-z, 10.1007/978-981-15-0146-3_131, 2019: 10.5373/JARDCS/V11SP11/20193151, 10.5373/JARDCS/V11SP11/20192930, 10.1186/s13677-019-0138-7, 10.1109/CCGRID.2019.00087, 10.13328/j.cnki.jos.005648, 10.1145/3274657, 10.20378/irbo-54102, US20190342399A1 WOS:000561117200002 WOS:000215563500003 2018: 10.1088/1742-6596/1142/1/012001, 10.1109/ICCCNT.2018.8493661, 10.4018/978-1-5225-3981-0, 2017: 10.4018/IJCAC.2017100104, 10.1109/ICCCBDA.2017.7951959, EP-3151121-A1 2250-1371:10934, 2016: 10.1109/IIAI-AAI.2016.250, 10.1007/978-3-319-48024-4_8, IJeLS, 10.1007/s10951-016-0491-z, eprint-6246, 2015: 10.28989/compiler.v4i2.91, 10.1016/j.jss.2015.11.023, 10.1504/IJICA.2015.073007, 10.15849/icit.2015.0022,

(2.34) 89 2021: 1319-1578 10.1016/j.comnet.2021.108152, 10.3390/sym13020317, 10.1007/s10723-021-09539-1, 10.25932/publishup-50279, h-10630/22490 RG-354235725 2020: 10.1186/s13677-020-00194-7, 10.1007/s10723-020-09516-0, 10.1002/spe.2789, PhD-UA RG-325227011 2019: 10.1007/978-981-15-0029-9_8, 10.1002/spe.2741, 10.1016/j.future.2019.04.037, hal-02161866 10.26438/ijcse/v7i3.166172, e-2412 PdD-USt-2019 2018: 10.1109/TSC.2018.2831204, 10.1109/HPCS.2018.00041, RG-327010457, 10.1504/IJHPCN.2018.093845, 10.1016/j.ijar.2018.07.002, https://www.ijsei.com/papers/ijsei-77618-02.pdf,2251-8843-7-76-77618-02 2017: 10.1504/IJCC.2017.090199, 10.1109/AICCSA.2017.204, 10.1016/j.compeleceng.2017.12.044, 10.1109/FiCloud.2017.18, 10.1016/j.datak.2017.11.001, 10.1109/COMST.2017.2771153, 10.1145/3092698, 10.1007/978-3-319-94959-8_3, 10.5220/0006239803510357, 10.5220/0006296901320142, 10.1155/2017/2824782, 10.1016/j.future.2016.09.010, 10.6092/unibo/amsdottorato/7791, UC, 2016: 10.1016/j.jnca.2016.12.009, 10.4018/978-1-5225-0123-4.ch001, 10.1007/s11761-015-0174-1, 10.1109/MCOM.2016.7509392, 10.1016/j.jnca.2016.06.014, 10.1109/CLOUD.2016.0051, 10.1007/978-3-319-31165-4_2, 10.1109/MCC.2016.15, h-10012-10672 et-16428, UWS-16, 10.1504/IJBDI.2016.079956, 10.4018/978-1-5225-0153-4.ch001, 2015: 10.4018/IJARAS.2015070104, 10.1109/SYNASC.2015.69, 10.1007/978-3-319-20370-6_9, 10.1109/FiCloud.2015.74, 10.1007/s10723-015-9346-7, 10.1109/SITA.2015.7358406, 10.1109/VTCFall.2015.7390868, 10.1109/MCC.2015.32, 10.1109/SERVICES.2015.60, 10.1504/IJCSE.2015.071361, 10.1109/IPDPSW.2015.114, 10.1007/s13369-015-1703-0, 10.1007/978-3-319-14886-1_24, 10.1109/IC2E.2015.42, 10.1007/978-3-319-14886-1_23, McGill-28, h-10266-3836, STRAD014, ci-500000980941, et-13333, 2014: acm-2735530 10.1145/2684200.2684324, 10.1109/IC3I.2014.7019735, 10.1109/SITIS.2014.30, 10.1108/SCM-10-2014-0323, 10.12694/scpe.v15i4.1055, 10.1109/ICoCS.2014.7060961, 10.1109/WORKS.2014.6, 10.1145/2684080.2684082, 10.1007/s10723-014-9311-x, 10.1007/978-3-319-10530-7_12, 10.1186/2192-113X-3-4, 10.1109/MESOCA.2014.13, tel-01127070 2013: 10.1109/UCC.2013.90, 10.1109/CloudCom.2013.73, ua-32242754,

(2.38) 2 2018: 10.4108/eai.13-7-2018.163972, arXiv:1803.10901v1,

(2.39) 60 2021: 10.1109/FiCloud49777.2021.00054, 10.1007/978-3-030-72369-9_13, 10.1007/s10723-021-09549-z, 2020: 10.1186/s13677-020-00194-7, 10.5220/0009338200560068, 10.5220/0009410701270137, 2019: 10.13140/RG.2.2.12301.28649, 10.35940/ijitee.G5457.0981119, 2277-3878-v18-i5-1819 10.1007/978-3-030-22559-9_1, 10.1504/IJCC.2019.10021211, 10.5220/0007765005070514, 10.1109/EMPDP.2019.8671608, 10.1007/s12599-019-00580-9, arXiv:1901.04319, 10.20378/irbo-54102, h-23456789-22812, , 2018: 10.1108/IDD-02-2018-0006, 10.5220/0006644800150025, 10.1007/978-3-319-94959-8_2, 10.1109/HPCC/SmartCity/DSS.2018.00174, 10.5220/0006735604650472, 10.1016/j.future.2018.05.087, 10.13140/RG.2.2.11732.09607, Virtualization, February 18 - 22, 2018, 31-38, IARIA 978-1-61208-607-1, opus-545, 10.5220/0006705604480455, 10.19153/cleiej.21.2.6, 2017: VJOL Aisel-1020 10.1145/3092698, 10.1016/j.future.2017.09.003, 10.1109/ACCESS.2017.2738658, 10.1007/978-3-658-18773-6, DL.ACM.3106401, 10.1007/978-3-319-52181-7_8, 10.1016/j.future.2017.04.040, 10.5220/0006230700570070, 10.1016/j.jss.2017.01.001, 10.23919/ICITST.2017.8356428, CU 2016: 10.1016/j.future.2016.11.025, 10.1109/ICAC.2016.19, 10.4018/978-1-4666-9840-6.ch020, 10.12694/scpe.v17i2.1157, 978-3-86309-399-0, 10.1186/s13677-016-0054-z, et-16428, et-13333, 2015: 10.1109/CloudCom.2015.61, 10.1007/978-3-319-29582-4_7, 10.4018/IJSSOE.2015100101, 10.1109/MIPRO.2015.7160281, 10.1109/CLOUD.2015.16, 10.1186/s13174-014-0017-x, 10.1109/TELFOR.2015.7377630, 10.1007/978-3-319-27072-2_32, 10.5220/0005441203310342, 10.5220/0005407100710078,

(2.40) 4 2020: IEEE-9142801 2017: 0258-0934 2014: UCL:1450429 2013: 10.1109/CSCS.2013.58,

(2.41) 5 2018: TUD-324153, 2016: LIPN, 10.1109/TCC.2016.2628375, 2011: 10.1007/978-3-642-22546-8_3, 2010: 10.1109/SERVICES.2010.14,

(2.43) 3 2009: 10.4018/978-1-60566-184-1.ch002, 10.1007/b10800.stepcounterc09 2007: 10.1070/PU2008v051n03ABEH006449,

(2.44) 3 2019: 10.6092/2612-4033/0110-2184, 2017: 10.12694/scpe.v18i1.1235, 2011: 10.5772/16620,

(2.46) 2 2020: 10.1007/978-3-030-66046-8_33, 10.1504/IJES.2020.108280,

(2.47) 26 2020: 10.1016/j.swevo.2020.100720, 10.1016/j.jocs.2020.101175, 10.1109/SEAA51224.2020.00020, 10.1145/3372390, 2019: 10.1016/j.future.2019.11.011, 10.1007/978-3-030-29400-7_22, hal-02170842 10.1007/978-3-030-22734-0_19, 10.1016/j.compfluid.2019.01.005, 978-91-7873-223-4 tel-02183436 2018: 10.1109/WSCAD.2018.00036, WSCAAD arXiv:1809.10023 10.1134/S1995080218050050, 10.1007/978-3-319-93698-7_33, 10.1007/978-3-319-78054-2_27, uc-4tz5v6r6 2017: 10.1007/978-3-319-75178-8_14, 10.1134/S1064562417020090, h/2142/99170 2016: 10.5815/ijmecs.2016.06.04, 10.1109/MIPRO.2016.7522143, h-1794-22731, h-10662/3886 2015: ru-28126464

(2.49) 9 2020: 10.3846/mma.2020.12139, TUM-1553881 2019: 10.14569/IJACSA.2019.0100522, RG-333117798 10.1155/2019/8348791, 2016: GOW16 10.15388/LMR.A.2016.17, 1814-4225:5(79), 978-989-20-6764-3

(2.50) 6 2020: ISBN-9781713305668 2017: 10.1109/EDCC.2017.21, 2016: 10.11606/T.85.2016.tde-14102016-141711, 2014: tel-01127070 10.1109/ISSREW.2014.47, 2013: 10.1109/ICCSNT.2013.6967116,

(2.51) 2 2018: 10.1007/s00607-018-0649-y, 2016: 10.1504/IJSSC.2016.080284,

(2.52) 10 2021: 10.3390/rs13091815, 2019: 10.1080/17538947.2019.1585976, 2018: 10.1504/IJIPT.2018.092479, 10.1016/j.cageo.2018.03.013, 2017: 10.1080/17538947.2017.1332112, 2016: 10.1007/978-3-319-58943-5_21, 10.1109/CompComm.2016.7924669, 2015: 10.1016/j.asr.2015.10.038, 2012: 10.1109/JSTARS.2012.2205372, 2011: 10.1007/978-3-642-22418-8_82,

(2.53) 3 2021: 10.1016/j.jpdc.2021.04.012, 2018: 10.1109/ICETA.2018.8572134, 2017: 978-80-557-1216-1

(2.54) 1 2017: 978-80-557-1216-1

(2.55) 3 2015: 10.1109/ICSM.2015.7332497, 2009: DL.ACM.1512683, 2008: DL.ACM.1486812

(2.56) 5 2021: 10.4018/IJEACH.2021010104, 2019: 10.1201/9780429488764, 2016: 10.1007/s10586-016-0577-6, 2014: 2229-5518:5(1), 2009: h-123456789/895,

(2.57) 1 2011: 1998-4308:5(4)

(2.58) 2 2011: 1998-4308:5(4), 2008: DL.ACM.1466896,

(2.45) 2 2018: 10.1504/IJHPCN.2018.088880, 2007: 1584-2665:5(2),

(2.63) 3 2014: 10.1007/978-3-662-43880-0_65, 10.5755/j01.itc.43.1.4587, 2013: 10.1063/1.4827222,

(2.69) 5 2017: 10.18052/www.scipress.com/BMSA.19.31,stepcounterc17 10.1115/1.4037074, 2015: 10.1145/2641563, 2014: 10.1016/j.asr.2014.06.018, 2006: 10.1109/PARELEC.2006.1,

(2.90) 147 2021: 10.23919/SoftCOM52868.2021.9559056, 10.1109/eScience51609.2021.00056, 10.1016/j.suscom.2021.100609, 10.1007/978-3-030-74402-1_14, 10.1007/978-3-030-74402-1_7, 10.1109/ACCESS.2021.3110914, 10.1002/int.22638, 10.1007/s10723-021-09565-z, 10.1007/s10586-021-03253-z, 10.1007/978-981-15-9343-7_73, 10.9717/kmms.2020.24.1.075, 978-3956471926 tel-03351598 2020: 10.1109/ICDCS47774.2020.00173, 10.1109/GLOBECOM42002.2020.9322523, 10.1109/INMIC50486.2020.9318176, 10.1109/ACCESS.2020.3035816, 1006-7930 10.1007/978-3-030-59506-7_1, 10.1186/s13677-020-00194-7, 10.1109/PerComWorkshops48775.2020.9156101, WEIS 10.1007/978-3-030-45819-5_2, 10.1007/978-3-030-49435-3_2, 10.1016/j.procs.2020.03.387, 10.1007/978-3-030-44769-4_5, 10.1002/spe.2794, 10.1007/978-3-030-63095-9_6, h-1840.20/37468 A-63160233 RG-344233254 h-10138/319675 TDX 2019: 10.1109/FiCloud.2019.00032, RG-338421462 10.13140/RG.2.2.12919.98728, 10.1145/3368235.3368840, 10.1145/3368235.3370267, 10.1109/HPEC.2019.8916536, 10.23919/JCC.2019.09.017, 10.1109/TSC.2019.2928300, 10.1109/IC2E.2019.00028, 10.1002/cpe.5356, 10.1109/COMPSAC.2019.00127, 10.1109/COMMNET.2019.8742374, 10.1145/3328905.3332505, 10.1007/s00607-019-00721-8, 10.1007/978-3-030-15035-8_103, 10.1007/978-3-030-12048-1_37, 10.1504/IJHPCN.2019.097509, RG-338103355 2018: 10.3991/ijes.v6i3.9567, 2319-1953-7-4-165 10.1109/NETSOFT.2018.8460134, 10.1109/ACCESS.2018.2873812, 10.1007/978-981-13-2345-4_7, 10.1016/j.ijar.2018.07.012, 10.1007/978-981-10-8737-0, 10.1007/978-3-319-94295-7_3, 10.1109/CLOUD.2018.00053, 10.5220/0006705604480455, 10.1109/COMMNET.2018.8360254, 10.1016/j.ins.2018.04.081, 978-1-61208-607-1 10.1109/IC2E.2018.00041, RPI 2017: 10.14748/scnvna.v31i0.5060, 10.23919/ICITST.2017.8356428, 10.1109/ICCCBDA.2017.7951959, 10.1109/ICITECH.2017.8080066, 10.1109/SC2.2017.16, 10.1007/978-3-319-70305-3_8, 10.1016/B978-0-12-802855-1.00011-3, 10.1016/j.jnca.2017.11.006, 10.1145/3092698, 10.1016/j.future.2017.09.003, 10.1109/EUROCON.2017.8011209, 10.1109/DEXA.2017.47, 10.1109/SARNOF.2017.8080393, 10.1007/s11227-017-2123-6, 10.1016/j.jnca.2017.07.010, 10.1145/3036331.3050422, 10.1109/CLOUD.2017.98, 1613-0073:1826, 10.5220/0006371002750286, 10.20381/ruor-632, ijmcr-34, 10.17635/lancaster/thesis/385, ru-53061, Univie, Azos, PU, 10.5220/0006292403970404, 2016: 10.1109/CompComm.2016.7925193, hal-01355864, 10.1109/ICITST.2016.7856745, 10.1016/j.jss.2016.12.009, 10.1186/s40411-016-0033-6, 10.1016/j.procs.2016.08.279, 10.1016/j.procs.2016.08.281, 10.1016/j.procs.2016.08.292, 10.1145/2949550.2949648, 10.1002/cpe.4123, 10.1007/978-3-319-39696-5_25, 10.1109/ICDCSW.2016.29, 10.1109/CLOUD.2016.0051, 10.1007/s11227-016-1735-6, 10.1016/j.cie.2016.02.015, 10.29268/stcc.2016.0004, etd-6010, UT, 2015: 10.1109/ICCSCE.2015.7482153, 10.1109/CloudCom.2015.87, 10.1109/CIC.2015.21, 10.1109/CloudCom.2015.61, 10.1016/j.future.2015.09.002, 10.1109/CoCoNet.2015.7411190, 1554-1010:10(5), 0973-4562:10(15), 0975-4024:7(2), 10.1109/ICCE.2015.7066360, 10.1109/CCGrid.2015.158, 10.13140/RG.2.1.1810.1204, 10.1007/s11277-015-2410-6, 10.1007/978-3-662-46248-5_11, 10.1007/978-3-319-13153-5_32, 10.1093/comjnl/bxt107, 10.1109/CIT/IUCC/DASC/PICOM.2015.220, 10.1007/978-3-319-14886-1_23, 10.4018/978-1-4666-8339-6.ch002, tel-01206244, diva2:849876, h-11343-58928, 10.14279/depositonce-4677, PhD-TuWien, 2014: 10.1109/WICT.2014.7077319, 10.1007/978-1-4471-6452-4_9, 10.5220/0004979707220734, 10.1145/2676662.2676676, 10.1109/CCGrid.2014.62, 10.1007/978-3-319-13464-2_15, 10.3233/jid-2014-0006, 10.1145/2662112, 1613-0073:1242 tel-01009918v2, tel-01127070 2013: 10.1109/UCC.2013.90,

(2.91) 4 2014: 10.15439/2014F311, 10.1109/CISTI.2014.6877038, 10.1016/j.proeng.2014.03.118, 2013: 978-960-9416-06-1

(2.92) 7 2018: h-123456789-1108, 2016: 10.1016/j.future.2016.06.030, 2015: US patent 9100345, 2014: 10.1145/2687233.2687242, 10.1002/cpe.3641, 10.1007/978-3-319-10422-5_18, EP-2746946-A1

(2.94) 1 2008: 978-960-474-022-2,

(2.96) 7 2019: 10.1007/978-981-15-5232-8_9, e-57019 2018: 10.4018/JDM.2018040104, 2017: 10.1007/s11036-017-0808-y, 2016: 10.1007/978-3-319-46909-6_15, 2011: 1998-4308:5(4), 10.1007/978-3-642-22546-8_3,

(2.98) 6 2020: SACAIR 2018: 1992-8645-v19-19-6388 10.1016/j.future.2018.05.075, 978-988-140478-7 2017: 10.1109/ICATCCT.2017.8389105, 10.1007/978-3-319-68066-8_1,

(2.99) 8 2020: 10.1145/3383464, 2019: 10.1002/9781119471509.w5GRef156, 10.5220/0007658000480057, 2018: 10.1002/9781119293071.ch14, 10.4018/978-1-5225-5951-1.ch003, 2017: 10.12720/jait.8.2.100-106, 10.1109/ACCESS.2017.2744677, 2015: 10.1109/WSCNIS.2015.7368308,

(2.100) 3 2019: 10.1007/978-3-030-16272-6_12, 2018: 10.1145/3150224, 2016: 10.1109/CCGrid.2016.49,

(2.105) 149 2021: 10.23919/SoftCOM52868.2021.9559056, 10.1007/978-3-030-78198-9_9, 10.1007/978-3-030-75078-7_14, 10.1007/s11623-021-1416-3, 10.22937/IJCSNS.2021.21.2.1, NEGG-21-37 h-10630/22490 tel-03351598 2020: 10.1109/ACCESS.2020.3035816, 10.32604/cmc.2020.011535, 10.1109/ICE348803.2020.9122900, 10.1109/INFOCOM41043.2020.9155403, 10.1109/TCC.2020.3004334, 10.1016/j.jnca.2020.102694, 10.5220/0009574104560467, 0474-9030:2043 10.1002/spe.2794, 10.1109/TCC.2020.2989381, 10.1108/ICS-01-2017-0001, 10.4108/eai.13-7-2018.162829, WEIS-40 2019: RG-338698025 10.30534/ijatcse/2019/61852019, 10.1007/978-981-15-0029-9_8, 10.1145/3344341.3368813, 10.1186/s13677-019-0140-0, 10.35940/ijitee.L2577.1081219, 10.3233/FAIA190035, 10.1504/IJBIS.2019.103073, 10.1504/EG.2019.100529, 10.1007/978-3-030-20883-7_1, 10.1007/978-981-13-8165-2_1, 10.1007/978-3-030-15035-8_103, 10.1007/s00170-019-03418-6, 10.20378/irbo-54102, REPOSIP-333773, TUD-38272, 2018: 10.1109/CLOUD.2018.00145, 10.1016/j.jpdc.2018.08.001, 10.1007/978-3-319-94959-8_15, 10.1109/ICDCS.2018.00142, 10.1016/j.future.2018.05.087, 10.1007/978-3-319-91337-7_34, 10.1145/3195870.3195875, 10.1016/j.procs.2018.01.136, 10.1016/j.csi.2018.01.005, 2416-5999:1, 2416-5999:2, 2017: 978-3-319-74500-8_72, 10.1109/CloudTech.2017.8284703, 1335-9150:9(2), 10.1016/J.ENG.2017.05.015, 10.1145/3092698, 10.1109/ISNCC.2017.8071986, 10.1016/j.future.2017.09.003, 10.26483/ijarcs.v8i7.4540, 10.1109/ICMCS.2016.7905649, 10.1016/j.jss.2017.08.016, 10.5539/cis.v10n3p29, 10.1109/eStream.2017.7950315, 10.5220/0006372302870297, 10.1109/IC2E.2017.30, 10.1109/PDP.2017.94, 1992-8645:95(5), 10.17635/lancaster/thesis/385, tel-01470199 tel-01534528 PU Arro 2016: 10.4018/978-1-5225-0123-4.ch001, 10.1145/3009925.3009930, 10.1186/s40411-016-0033-6, 10.15439/2016F463, 10.1109/MCOM.2016.7509392, 10.1007/978-3-319-33681-7_17, 10.17781/P002033, 10.1109/SERVICES.2016.7, 10.5220/0005804501700177, 10.1186/s13677-016-0054-z, 0973-4562:11(5), 2367-8895:1, et-16428, h-10016-23408, etd-11172016-154749, 10.5167/uzh-132765, 2015: 10.1109/CloudCom.2015.61, 10.1109/UCC.2015.56, 10.1007/978-3-319-29582-4_7, 10.1016/j.jnca.2015.07.007, 10.1109/UCC.2015.89, 10.1109/TAFGEN.2015.7289571, 10.1109/SCC.2015.101, 10.1109/EEEIC.2015.7165381, 2456-2033:1(2), 10.1115/1.4030009, 10.1504/IJCSE.2015.071357, 10.1007/s13369-015-1703-0, 10.1109/CLOUD.2015.16, 10.1007/978-3-319-14886-1_24, 10.1186/s13174-014-0017-x, 10.5220/0005441203310342, 10.4018/978-1-4666-8339-6.ch002, 10.1109/SmartCity.2015.224, tel-01206244, tel-01350630, UCM, 2014: 10.1145/2684200.2684324, tel-01127070 10.1007/s00607-013-0346-9, 10.1109/i-Society.2014.7009018, 10.1109/CCGrid.2014.100, 10.5220/0004856401120117, 10.5220/0004959706100615, 10.1177/0954405414521191, 10.1007/978-1-4471-6452-4_9, 10.1145/2593512, 10.9734/BJMCS/2014/10885, 10.1016/j.compeleceng.2014.11.002, 10.1109/MESOCA.2014.13, 10.2298/CSIS130828028C, 10.1109/INFCOMW.2014.6849160, 10.1109/SOSE.2014.26, tel-01009918v2, kul-1656235, 2013: 10.1109/UCC.2013.79, 10.1007/978-3-642-54420-0_13, 9781601322449, 10.1002/9781118846995.ch4, 2231-2803:4(4), 10.1109/CloudCom.2013.131, 10.1109/CloudCom.2013.38, 10.1007/978-3-642-40316-3_2, 10.1007/978-3-642-38333-5_10, 10.5220/0004511605910601, 10.1007/978-3-642-36981-0_75, 1613-0073:1118, 10.1109/CloudCom.2013.130, 10.1109/DEXA.2013.27, 10.1109/MiSE.2013.6595294, 2089-3337:2(4), 10.1007/978-3-642-32524-3_34, icest-13, CS-diss-75, ua-32242754, 2012: ceur-920-p30, 10.1002/spe.2168, 10.1109/MC.2012.76, 10.1109/SKG.2012.13, 978-960-9416-05-4,

(2.106) 51 2021: 10.1002/int.22638, 2020: 10.1007/978-3-030-59612-5_4, 10.1007/978-3-030-59612-5_10, RG-325227011 2019: 10.1145/3292499, 2018: 10.1109/UCC.2018.00034, RG-327010457, 10.1016/j.ijar.2018.07.002, 2533-8945-V4-13-19, CSEIT1833419, CSEIT1833580, 2017: 10.1007/978-3-319-74781-1_11, 10.1109/IISA.2017.8316416, 10.1109/FiCloudW.2017.99, 10.1109/COMPSAC.2017.247, 10.1186/s13677-017-0078-z, 2016: 10.1109/CompComm.2016.7925193, 2348-2370:8(9), 2321-0621:4(1), 4142-3453:23 IJARMATE, 2454-9762:4(4), 10.18797/caasr/2ndiciet/iccse/2016/05/05/22, 10.1016/j.jnca.2016.06.014, 10.1007/s11227-016-1735-6, 2454-180X:6(1), 10.6092/unibo/amsdottorato/7424, d-nb-112380317X-34, 2321-5784-5-5, 2015: 10.1504/IJCSE.2015.071361, 10.1109/CCAA.2015.7148448, 10.5121/ijsptm.2015.4402, tel-01206244, h-11343-58928, 2014: 10.12694/scpe.v15i1.966, 10.1145/2593512, 10.1109/NOF.2014.7119796, 10.1109/MCC.2014.41, 10.1145/2662112, tel-01009918v2, tel-01079956v2, Uniroma2-Luca, 2013: 10.1109/CloudCom.2013.102, ua-32242754, proq-3628788, 10.3923/jai.2013.1.7, 2012: 10.1002/spe.2168, 10.1109/SYNASC.2012.55, 10.1109/SKG.2012.13, 10.1145/2362499.2362515, 978-87-643-1014-6,

(2.107) 76 2021: 10.1007/978-3-030-75078-7_14, 10.3390/sym13020317, 10.1016/j.jss.2021.110906, 2020: 10.1007/s10723-020-09516-0, 2019: 10.1016/j.jnca.2019.102458, handle-10023/16827 2018: 10.1109/ACCESS.2018.2883149, 10.3390/s18092938, 10.1007/978-3-319-96271-9_11, 10.1016/j.scico.2018.07.005, 10.1016/j.ijar.2018.07.002, 2017: 10.1007/978-3-319-74781-1_33, 10.1109/PDP.2017.94, h-1025-86288, 2016: 10.1016/j.jnca.2016.12.009, 10.1109/ICISCE.2016.108, 2015: 10.1016/j.scico.2015.09.004, 10.1016/j.jss.2015.12.025, 10.1016/j.csi.2015.09.010, 10.1007/978-3-319-24626-0_14, 10.1504/IJCSE.2015.071357, 2381-1281:1(2), 10.1002/9781119131151.ch7, 10.1504/IJWGS.2015.067163, 10.1109/3PGCIC.2015.28, 10.1109/CloudCom.2015.38, 2014: hal-01093220, 1617-5468, 10.1002/spe.2288, 10.1007/978-3-319-06859-6_48, 10.1109/PDP.2014.88, 10.5755/j01.itc.43.1.4587, 10.1109/TCC.2014.2300855, 10.1007/s10723-013-9272-5, 10.1109/INCoS.2014.93, 0013-5852:81(3), 10.2298/CSIS130828028C, 10.1504/IJGUC.2014.060198, 10.1109/SOSE.2014.9, 10.12694/scpe.v15i1.966, 10.1109/EMS.2014.36, um-4703, 2013: 10.1109/WAINA.2013.149, CBSE13, 10.1109/CLOUD.2013.35, 10.5220/0004407201560159, 10.12694/scpe.v14i1.824, 2250-3501:3(6), 10.1016/j.jss.2013.04.037, 10.1016/j.jss.2012.12.033, 10.1109/MiSE.2013.6595294, 2089-3337:2(4) 10.1007/978-3-642-40651-5_15, 10.1109/WAINA.2013.100, 10.1109/UIC-ATC.2013.52, 10.1007/978-3-642-32524-3_34, 10.1109/3PGCIC.2013.40, hdl.handle.net/11343/38234, tel-00963824, 2012: 10.1109/CISIS.2012.143, 10.1109/ISPDC.2012.31, 10.1109/SKG.2012.13, 1895-1767:13(3), WoSS-4, 10.1145/2377836.2377841, 10.1145/2362499.2362515, 10.1145/2361999.2362011, 10.1109/CISIS.2012.138, 10.1186/2192-113X-1-6, 10.1109/CISIS.2012.176, 10.1109/SYNASC.2012.65, 10.1007/978-3-642-29737-3_12, 10.1109/EIDWT.2012.57, 2011: 10.1007/978-3-642-29737-3_10, 10.1109/CloudCom.2011.116, Xplore:5967051,

(2.108) 91 2021: 10.1504/IJGUC.2021.117851, 10.48129/kjs.v48i4.9664, 10.1007/978-981-16-2877-1_37, 10.1007/978-3-030-75078-7_14, Turcomat-12-12 2020: 10.1007/978-3-030-49778-1_24, 10.1007/978-981-15-8289-9_55, handle/2262/94097 2019: 10.1109/ACCESS.2019.2933031, ep-4468, 2018: 10.1016/j.comnet.2018.11.011, 2277-9477 978-0-9932889-9-9 10.1007/978-3-319-73767-6_4, 10.1109/JSYST.2018.2805293, 10.1007/978-3-319-97795-9_1, 2017: 10.1007/s10723-017-9422-2, 10.1109/CAIPT.2017.8320745, 10.1109/ICSensT.2017.8304426, 10.9790/9622-0710023035, 10.1007/s10723-017-9422-2, 10.1007/s10586-017-1248-y, 10.1109/ACCESS.2017.2744677, 10.1109/CSCS.2017.25, 10.1515/cait-2017-0018, 10.1007/s10796-017-9772-0, 10.1002/cpe.4182, PhD-AO PhD-UV 2016: 10.1007/s00607-016-0497-6, 10.1109/TCC.2016.2628375, 10.4018/978-1-5225-0153-4.ch009, 10.4018/IJARAS.2016010102, 10.1504/IJGUC.2016.080184, 2231-3850:7(5), 10.1007/s12652-016-0434-8, 10.1007/978-3-319-39324-7_18, 10.5121/ijccsa.2016.6201, 10.1007/978-3-319-25017-5_7, 10.14257/ijseia.2016.10.12.37, tel-01431183 UAEU-704, 2015: 10.1109/CloudTech.2015.7336999, 10.1109/ICCICCT.2015.7475380, 10.1007/978-3-319-23742-8_7, 10.1109/UIC-ATC-ScalCom-CBDCom-IoP.2015.191, 2454-5678:1(3), 10.1109/CloudTech.2015.7336983, 10.1145/2790798.2790804, 10.1145/2716319, 1976-7277:9(3), 10.1109/ICMCS.2014.6911351, 10.1504/IJCSE.2015.071360, 10.14279/depositonce-4434, 10.1109/SNPD.2015.7176235, JAKO201528652395290, 2381-1281:1(2), h-2117-96024, 2014: 10.1007/978-3-662-43616-5_22, 2319-7064:3(12), 0973-4562:9(19), 10.1016/j.knosys.2014.07.018, arXiv:1405.1811, 10.1007/978-3-642-40861-8_9, 10.1145/2593512, 10.1007/978-1-4471-6452-4_11, 10.1007/978-3-319-01571-2_32, ep-11690, ep-1450429, 2013: Xplore:6636341, 10.5220/0004374700900095, 10.5220/0004357104160426, Xplore:6573158, 10.5121/ijcnc.2013.5314, 10.1007/978-3-642-36949-0_4, 2229-5518:4(12), 10.1109/WAINA.2013.100, 10.1109/AINA.2013.83, PhD-NMSU 2012: 10.1109/SYNASC.2012.50, 10.15837/ijccc.2012.5.1348, 10.2498/iti.2012.0374, 10.1109/ISPDC.2012.31, 10.1109/SYNASC.2012.67, 10.1109/SKG.2012.13, 10.1109/ISPDC.2012.25, 1895-1767:13(3), 10.1145/2377836.2377841, 978-1-61208-216-5, 10.1109/ISPA.2012.69, 10.1109/CISIS.2012.138,

(2.110) 1 2016: unikl-4524

(2.111) 12 2017: 10.1007/s10766-017-0511-4, 2015: 10.1007/s10766-015-0358-5, 2014: 10.1007/s10766-013-0273-6, 2013: h-10399-2834, 2012: h-10399-2606 2011: h-2440-65938, 2010: 10.1007/s10990-011-9074-z, 10.1109/CCGRID.2010.49, 2009: 10.1556/Pollack.4.2009.1.15, 2008: 10.1007/978-3-540-85110-3_12, 10.1007/s11704-008-0009-8, 10.1556/Pollack.3.2008.2.2,

(2.112) 7 2021: 10.1016/j.swevo.2021.100960, 2017: 10.1016/j.swevo.2017.11.002, 2016: 10.1007/s00500-016-2125-y, 10.1007/978-3-319-15585-2_7, 2014: metu-12616735stepcounterc14 2013: 10.1007/s10489-012-0375-7, 10.1007/s10462-012-9378-3,

(2.114) 1 2020: 10.1145/3415958.3433046,

(2.120) 2 2017: 10.1186/s13677-017-0098-8, IJTRD8555

(2.121) 4 2021: 10.18576/isl/100110, 2018: UM 2017: 10.1002/pra2.2017.14505401022, 2015: 10.1109/ES.2015.25,

(2.122) 12 2021: 10.11591/ijeecs.v21.i3.pp1648-1662, 2018: 10.1016/B978-0-12-811373-8.00011-2, 2017: 10.1109/ACCESS.2017.2779599, 10.1016/j.future.2017.05.046, 2016: 10.1109/WCNC.2016.7564810, 2015: 10.4028/www.scientific.net/AMM.738-739.299, 10.1109/CISIS.2015.81, 10.1109/ARES.2015.74, RG-272087566, 10.1186/s13677-015-0037-5, 10.1007/978-3-319-19243-7_45, 2014: 10.1145/2659651.2664291,

(2.123) 7 2019: 10.1049/iet-net.2018.5187, 2018: 10.1016/j.future.2018.09.032, 10.1109/ICDCS.2018.00142, 2017: 10.1145/3092698, 2016: 10.1109/CLOUD.2016.0051, 2015: 10.1007/978-3-319-25043-4_1, h-11343-58928,

(2.125) 50 2021: 10.1007/978-3-030-74402-1_16, 10.1201/9781003099673, 10.1016/j.cose.2021.102266, 10.1145/3412841.3441885, 0363-8057-7-9-6 2020: 10.1088/1757-899X/981/2/022065, 10.1145/3383464, h-123456789/179 2019: 10.22214/ijraset.2019.2157, 10.5281/zenodo.2639756, hal-02084186 10.5281/zenodo.2639756, tel-02570591 2018: 10.1109/ICCPEIC.2018.8525141, 10.1109/ACCESS.2018.2873812, 10.1007/978-3-030-02671-4_19, handle-1974-24937, 10.1109/ICIS.2018.8466452, hal-01684231 10.1007/978-3-319-73676-1_8, 10.1016/j.cose.2018.01.019, ub-3422, h-1974-24937, DR-111752, EPM-3199, 2017: 10.1109/ANTS.2017.8384139, 10.21172/ijiet.92.06, 10.1016/j.cose.2017.09.012, 10.1109/ACCESS.2017.2744677, 10.13140/RG.2.2.15783.80806, 10.1109/IC2E.2017.48, 10.1016/j.compeleceng.2016.12.030, 10.20381/ruor-20479, hal-01684231, ora-17, 2016: 10.1109/CISIS.2016.97, 2320-8163:4(6), 10.1007/978-981-10-2035-3_7, 10.1016/j.procs.2016.07.335, 10.1016/j.procs.2016.07.335, 10.1109/WAINA.2016.150, 2015: 10.1109/CloudCom.2015.58, 10.1016/j.ins.2015.01.025, 10.1109/CloudCom.2015.58, 10.1007/s40860-015-0009-z, 10.1186/s13677-015-0037-5, 10.1007/978-3-319-19243-7_45, 10.1016/j.procs.2015.05.176, 2014: 10.1145/2659651.2659735, 10.1109/CCST.2014.6986995,

(2.126) 1 2016: 10.4067/S0718-07642016000300007, (2.127) 14 2020: 10.1007/s10723-020-09516-0, 2019: tel-02016442 2018: 10.1016/j.future.2018.03.039, 10.5220/0006773002010212, 10.1145/3125621, 2017: 10.1109/ICDCSW.2017.72, 2016: 10.1002/cpe.3760, 10.29268/stcc.2016.0004, 2015: 10.21256/zhaw-1139, 2014: 10.1109/UCC.2014.36, 10.1109/ICCSE.2014.6926524, 2349-2163:1(6), 2013: 10.1109/CLOUD.2013.133, 10.1145/2513534.2513542,

(2.128) 1 2014: tel-01079956v2,

(2.129) 1 2013: 10.1109/CSCS.2013.58,

(2.130) 3 2018: DsLetters 10.1016/j.ijar.2018.07.002, 2014: 0013-5852:81(3),

(2.131) 12 2021: 10.1007/978-3-030-86472-9_8, 10.1007/s10723-021-09565-z, 2018: 10.1002/cpe.5075, 2017: 2395-5325, 10.1016/j.jss.2017.08.016, 10.1504/IJBPIM.2017.083792, 2016: IJIE, h-2440-101557, 2015: 10.1109/SCC.2015.30, ACSIJ, 10.1007/978-3-319-19509-4_4, 2014: jstor-26487009,

(2.132) 223 2021: 10.1145/3470482.3479459, 10.1007/s00607-021-00977-z, 10.1007/978-3-030-79382-1_27, 10.1016/j.future.2021.03.017, 10.1007/s10723-021-09549-z, 10.1587/transcom.2020CQP0009, 10.1016/j.micpro.2020.103587, IJTE-XIII-III h-10630/22490 tel-03274363 2020: 10.1093/comjnl/bxaa159, 10.1145/3417990.3420194, 10.1186/s13677-020-00194-7, 10.1016/j.jmsy.2020.06.004, 10.1007/978-3-030-49432-2_11, 10.13052/jwe1540-9589.1929, 10.1145/3376123, 10.18517/ijaseit.10.1.10167, 10.1016/j.jfoodeng.2020.109932, 10.1007/978-3-030-40223-5_4, 10.1002/cpe.5662, 10.1002/spe.2794, 10.1007/s11227-019-03140-w, ProQ20 PhD-OU 2019: 10.22133/IJWR.2019.177957.1020, 10.1007/978-3-030-45989-5_7, 10.1016/j.simpat.2019.102033, 10.1145/3368235.3368840, 10.1007/978-3-030-29852-4_13, 10.1109/ICWR.2019.8765266, 10.1007/978-3-030-20485-3_34, 10.1109/ECASE.2019.00012, 10.1007/s00607-019-00721-8, 10.5220/0007763204950506, 10.1007/s10270-019-00730-3, h-23456789-22812, BalkanCom19, UC-985627, 2018: 10.5220/0006705604480455, 10.1109/UCC-Companion.2018.00043, 10.1080/0960085X.2018.1524417, 10.1504/IJHPCN.2018.093845, 10.1007/978-3-319-96271-9_11, 10.1007/978-3-319-94180-6_5, 1540-9589 10.5772/intechopen.74459, 10.1145/3125621, 10.1016/j.future.2018.03.039, 10.1145/3150227, 10.5220/0006773002010212, dl 20.500.12116/14959 10.1002/spe.2457, 10.5220/0006632400450052, h-10578-16611, icrtemm-18-62, 10.1109/SmartWorld.2018.00221, IJCSIS 2017: 10.1007/978-3-319-46031-4, 10.1007/978-3-319-46031-4, isis-4852 10.1109/GCCE.2017.8229200, 10.1007/978-3-319-79090-9_4, 1613-0073:2019, 10.13140/rg.2.2.14759.24482, 10.1145/3092698, 10.1504/IJES.2017.086724, 2237-2903:7(1), 10.1109/ACCESS.2017.2738658, 10.5220/0006370906640671, 10.1016/j.jss.2017.08.016, 10.5220/0006302801750186, 10.5220/0006296901320142, 10.1109/CONFLUENCE.2017.7943166, 10.4108/eai.25-10-2016.2266363, 10.1109/EuCNC.2017.7980667, 10.1109/ICSAW.2017.65, 10.1109/CompComm.2016.7925193, 10.1109/TBDATA.2017.2703830, 10.1145/3054177, 10.1007/978-3-319-51310-2_6, 10.1109/PDP.2017.94, 10.1007/978-3-319-52593-8_4, 10.5220/0006371002750286, 10.22364/bjmc.2017.5.1.08, h-1025-86288, 10.17635/lancaster/thesis/385, 2229-5518:8-8 ABS H-10251-86288 2016: 10.4018/978-1-5225-0153-4.ch001, 10.1109/TSC.2016.2634024, 1335-9150:35(6), 10.1109/CloudCom.2016.0073, 10.4018/978-1-5225-0123-4.ch001, 10.1109/CSCWD.2016.7566070, 10.1109/TSC.2016.2634024, 10.1186/s40411-016-0033-6, 10.1109/CloudNet.2016.41, 10.1016/j.jss.2016.01.001, 10.1007/s00450-016-0332-5, 10.1109/ICAC.2016.19, 10.1109/CSCWD.2016.7566070, 10.1109/MESOCA.2016.10, 10.1007/978-3-319-46295-0_12, 10.1007/s11761-016-0199-0, 10.1007/978-3-319-46613-2_5, ISD2016, 10.1007/s40595-016-0074-0, Patent US9246765, 10.1002/9781118821930.ch14, 10.11591/ijece.v6i2.8270, 10.4018/978-1-4666-9840-6.ch020, 10.1016/j.jnca.2016.06.014, 10.17781/P002033, 10.1109/WAINA.2016.66, 10.1007/978-3-319-33612-1_4, 10.1109/CLOUD.2016.0051, 10.1007/s11227-016-1735-6, 10.1145/2904111.2904116, 10.5220/0005806900970108, 10.1186/s13677-016-0054-z, 10.1007/978-3-319-32467-8_52, IJSR, 10.1007/978-3-319-25414-2_14, h-10012-10672 h-10589-131916, h-1874-330662, PubDat-249364, et-16428, tel-01493120, et-13333, 978-962-442-393-8 2015: 10.4018/IJARAS.2015070104, 10.1007/978-3-319-29582-4_7, 10.1016/j.mfglet.2015.12.001, CEUR-1563, DS.CLOSER.15, 10.1109/NICS.2015.7302221, 10.1007/s40860-015-0009-z, 10.7753/IJCATR0409.1010, 10.1109/TCC.2015.2441715, 10.1002/spe.2304, 10.1109/IC2E.2015.94, 10.1016/j.future.2015.04.019, 10.1109/MobServ.2015.52, 2319-6319:3(1), hal-01166258, 10.1007/978-3-319-33313-7_15, 10.1504/IJHPCN.2015.071258, CompSIC, 10.1109/eCHALLENGES.2015.7441074, 10.1007/978-3-319-24626-0_14, 10.5815/ijeme.2015.04.04, 10.1016/j.procs.2015.05.176, 10.1016/j.procs.2015.04.063, 10.1109/IC2E.2015.42, 10.1186/s13174-014-0017-x, 10.1007/978-3-319-14886-1_14, 10.5220/0005441203310342, 10.18419/opus-3543, h-10266-3836, et-9187, h-11343-58928, UC, 2014: IT4OD, 10.3233/978-1-61499-440-4-307, 10.1007/978-3-319-06859-6_48, 10.1109/ISTEL.2014.7000791, acm-2735530 10.1145/2684200.2684324, 10.1145/2593793.2593799, 10.1109/SMARTCOMP.2014.7043866, 10.1109/WETICE.2014.55, 10.1109/CLOUD.2014.98, 10.1109/CLOUD.2014.139, 10.1109/SOCA.2014.56, 10.1109/ISPDC.2014.13, 1613-0073:1242, 10.1109/WI-IAT.2014.11, 10.1109/UCC.2014.88, 10.1007/978-3-662-44879-3_11, 10.1109/COMPSAC.2014.20, 10.1007/978-3-319-07040-7_8, 10.1109/ISCC.2014.6912638, 10.1109/NCCA.2014.23, 10.5220/0004941601510157, 10.1007/978-3-319-01571-2_29, 10.1109/UCC.2014.36, 10.1109/INCoS.2014.93, 10.1007/978-3-319-14313-2_1, DL.ACM.2735532, 10.1145/2662112, 10.1016/j.compeleceng.2014.11.002, 10.1109/CloudCom.2014.150, 10.1109/MESOCA.2014.13, 1613-0073:1242, 10.5220/0004844400950102, 10.1109/SOSE.2014.9, d-nb-1054989 tel-01127070 9783732297344, hal-01093220, RIST-4, tel-01009918v2, 10.1007/978-1-4471-6452-4_9, Revasoft 2013: 10.1109/ICITST.2013.6750199, 10.3233/978-1-61499-302-5-40, 10.1109/ISCIT.2013.6645946, 10.1007/978-3-642-40651-5_2, 10.1145/2462326.2462337, 10.4236/jsea.2013.63b021, 10.1007/s10586-013-0261-z, 1613-0073:1118, 10.1109/CloudCom.2013.130, 10.1109/DEXA.2013.27, 10.1145/2513534.2513541, 10.1145/2490257.2490290, 10.1145/2513534.2513542, 10.1007/978-3-642-40651-5_15, Plymtl-1283, ACM-2519166, 10.1109/CLOUD.2013.133, JISBD/2013/052

(2.133) 10 2021: 10.3390/sym13020317, 2020: 10.1002/spe.2794, 2018: 10.1016/j.ijar.2018.07.002, 2017: 10.1504/IJCC.2017.090199, 2016: 10.1109/ICISCE.2016.108, 10.1504/IJBDI.2016.079956, 2015: 2381-1281:1(2), 2014: 10.12915/pe.2014.02.25, 2013: 10.1109/CLOUDCOM-ASIA.2013.13, 2012: 10.1109/SKG.2012.13,

(2.134) 6 2018: 10.1002/cpe.4834, 2016: 2046-4568:6(1), 2015: 110-2582:39(4), 10.15849/icit.2015.0022, 0013-5852:81(3), 10.1109/SKG.2012.13,

(2.135) 11 2019: col-opus4-48750 2016: 10.1109/TCC.2016.2628375, 10.1109/LCN.2016.55, 10.1007/978-3-319-23742-8_9, 2015: 2381-1281:1(2), 2014: tel-01275626, eL, 2013: 10.1007/978-3-319-03889-6_11, 10.5220/0004374700900095, 2012: MC:29(11), 10.1109/MESOCA.2011.6049036,

(2.136) 35 2020: 10.30534/ijatcse/2020/21912020, 2018: US-Patent-10/044,808, 10.1007/978-3-319-94959-8_2, 10.1016/j.ijar.2018.07.002, 2017: 10.1145/3092698, DL.ACM.3106401, 10.5220/0006230700570070, h-1853-60150, h-11025-29750 2016: 1847-6996:7(2), 2015: 10.1504/IJCSE.2015.071357, 10.1186/s13677-015-0039-3, 10.4018/978-1-4666-6539-2.ch106, upm-37189, et-13333, 2014: 10.1109/EDOCW.2014.34, 10.5220/0004859005590568, 10.1109/HPCSim.2014.6903709, 10.9734/BJMCS/2014/10885, 2013: 10.1007/s10723-013-9269-0, Xplore:6488284, 978-960-9416-06-1, 10.1016/j.jss.2013.04.037, 10.1016/j.jss.2012.12.033, 10.1109/WAINA.2013.100, 10.1007/978-3-642-32524-3_34, 10.4018/978-1-4666-2488-7.ch001, 2012: 10.15837/ijccc.2012.5.1348, 10.1109/ISPDC.2012.31, 10.2498/iti.2012.0374, WoSS-4, 10.1109/ISPA.2012.69, 10.1109/CISIS.2012.138, 10.1109/CISIS.2012.176, 10.1016/j.future.2012.05.017,

(2.137) 15 2020: 10.5220/0008916102290236, 2019: IJAST-309 2015: 10.1002/9781119131151.ch7, 10.1016/j.compeleceng.2015.02.003, 10.1109/CloudCom.2014.141, 2014: 10.1007/978-3-642-35016-0_3, 10.1109/WAINA.2013.100, PATTERNS 2013, 2013: 1909-7786, 2012: 10.1109/CloudCom.2012.6427478, 10.1007/978-3-642-29737-3_10, 10.1109/ISPDC.2012.31, 10.1109/ISPA.2012.69, 10.1109/CISIS.2012.138, 10.1007/978-3-642-29737-3_12,

(2.140) 1 2016: 10.1109/Agro-Geoinformatics.7577604,

(2.143) 1 2017: 10.1007/978-3-319-56932-1_20,

(2.144) 1 2017: 10.29322/IJSRP.10.03.2020.p9914,

(2.145) 2 2008: 10.1007/s11704-008-0009-8, 2007: 10.1145/1296772.1296775,

(2.146) 19 2019: 10.1007/978-981-13-8406-6_46, 2018: 10.4018/978-1-5225-5204-8.ch065, 10.1145/3264746.3264770, 10.1016/j.compeleceng.2018.07.023, 10.1016/B978-0-12-409548-9.09617-2, 2017: 10.4018/978-1-5225-2053-5.ch016, 10.1145/2893474, 2016: 10.1007/s10586-016-0577-6, 2015: 10.1109/CSCS.2015.86, 10.1109/ICCP.2015.7312696, 10.1007/s00500-014-1539-7, 10.1504/IJCISTUDIES.2015.069832, 2014: 10.1080/15481603.2014.920229, 2013: 10.1109/ICCP.2013.6646132, 2012: CSCD:4660334 2010: 10.3844/jcssp.2010.1258.1262, 2009: 10.1109/SYNASC.2008.49, 2008: 10.1109/SYNASC.2008.53, 2007: 10.1109/SYNASC.2007.77,

(2.148) 3 2018: 10.14419/ijet.v8i1.11.28188, 2015: GEA 2008: 10.1117/12.783828,

(2.149) 1 2010: 10.1145/1836049.1836056,

(2.150) 3 2021: 10.3390/sym13081314, 2017: 10.1016/j.amc.2016.08.019, 10.13140/RG.2.2.22563.76320/1,

(2.152) 6 2019: 10.1109/LACLO49268.2019.00011, 10.1109/CONTIE49246.2019.00044, 2012: 10.1109/TSC.2012.21, 2010: 10.1109/SCC.2010.37, 2007: 10.1007/978-3-540-68111-3_83, 10.1007/978-3-540-75132-8_18,

(2.153) 8 2016: 10.1145/2735382, 2012: 10.1145/2425296.2425305, 2010: DL.ACM.1984398, DL.ACM.1973283, 2009: 9781303217852, 10.1002/cpe.1357, 2008: 10.1109/SYNASC.2008.53, 2007: 10.1109/ISPDC.2007.45,

(2.154) 1 2010: 10.1109/ICCEA.2010.108,

(2.156) 8 2018: 10.4018/JDM.2018040104, 2015: 10.4230/LIPIcs.ECOOP.2015.542, 2012: 10.1007/s11227-010-0542-8, 2011: 10.1016/j.eswa.2010.12.116, 2009: 1607-9264:10(2), NCS09, 2008: 10.1109/CIT.2008.4594687, 10.1109/MMVIP.2008.4749534,

(2.158) 6 2016: 10.1007/978-3-319-42432-3_23, 2014: US Patent 8726278, 2013: Google Patent 8612980, 2012: 0122-6517:8(1), 2009: 10.1109/SYNASC.2009.13, 2005: 10.1007/11535294_39,

(2.159) 15 2016: 10.1007/s00500-016-2381-x, 10.1007/978-3-319-25017-5_17, 2013: tel-00974977, 2012: 10.1109/ISPDC.2012.10, 10.1145/2345396.2345433, lacl-guedj, 2011: 10.1109/ISPDC.2011.12, tel-00678352, 2010: 10.1109/PDMC-HiBi.2010.14, 10.1109/PDMC-HiBi.2010.10, hal-00523188, hal-00523188v2, 2009: ETR09, 978-83-7431-231-8 2008: tel-00678352,

(2.161) 2 2021: 10.3390/sym13020317, 2018: 10.1016/j.future.2018.05.086,

(2.162) 1 2018: 10.1007/978-3-319-94295-7_17,

(2.163) 10 2021: 10.1007/978-3-030-71756-8_11, 10.3390/info12080308, 10.3390/computers10050063, 2020: 10.12694/scpe.v21i4.1838, 10.4025/actascihumansoc.v42i3.55191, 10.1002/spe.2810, 2018: 10.1109/FiCloud.2018.00011, 2017: 10.1007/s11227-017-2141-4, 2307-4523:26(1), 2016: 10.1016/j.future.2016.11.003,

(2.166) 33 2021: 10.1007/s10270-021-00953-3, 10.1109/ICIT52682.2021.9491728, 10.1109/SysCon48628.2021.9447131, 10.5220/0010475002960302, 2020: 10.3390/app10228052, 2307-8162-951 10.1007/978-3-030-39306-9_1, 10.1007/978-3-030-39306-9_14, TUM 2019: 10.1007/978-3-030-25312-7_6, 10.3390/bdcc3030047, arXiv:1903.09413v1 2018: 10.4067/S0718-33052018000300473, 10.2991/ncce-18.2018.154, 10.1109/SEAA.2018.00079, 10.1109/SEAA.2018.00066, 10.1002/nem.2036, 10.1007/978-3-319-90415-3_8, 10.1155/2018/8281079, 10.1007/s11761-018-0228-2, h-10589-141261, 2017: 10.1007/978-3-319-72125-5, 10.5220/0006266505230528, 10.1109/MASCOTS.2017.21, 10.1109/CCGRID.2017.21, 10.1109/BigDataService.2017.42, 10.1109/CCGRID.2017.12, 10.22215/etd/2017-12197, 2016: 10.1109/BigData.2016.7840938, 10.5220/0005861602530260, 10.1145/2897356.2897363, 0974-5572-9-11-4979 2015: 10.1109/SusTech.2015.7314320,

(2.168) 2 2018: 10.5772/intechopen.75934, 2017: 10.1109/SIU.2017.7960499,

(2.169) 4 2017: RG-315085725, 2016: 10.1145/3026724.3026734, 10.1109/CIST.2016.7805092, 2013: 10.1007/978-3-642-32378-2_18,

(2.171) 3 2014: 10.1016/j.autcon.2013.12.007, 2011: 10.1007/978-3-642-18466-6_24, 2010: JISE-109904

(2.172) 16 2020: Phd-UU 2018: 10.5593/sgem2018/2.1/S07.002, 10.4018/IJAMC.2018070103, 2016: 10.1109/ICDCSW.2016.31, 10.1016/j.engappai.2016.05.009, 10.1016/j.future.2016.03.015, 2015: 10.1186/s40411-015-0021-2, h-1822-36574, 2014: 0973-4562:9(23), 2013: 10.1007/978-3-642-35813-5_11, tel-00982342, 2012: 1942-2679:5(3-4), 978-1-902560-26-7, 2011: ST-9-18, 978-1-61208-134-2, 2010: TR-UG-2010,

(2.174) 43 2021: 10.1016/j.ins.2021.11.046, 2020: 10.3233/JIFS-200753, 2019: 10.2478/jaiscr-2019-0004, 10.1016/j.asoc.2018.09.034, PD-2019-2, 2018: 10.1109/CEC.2018.8477764, 10.1016/j.swevo.2018.08.005, 2017: 10.1016/j.swevo.2017.11.002, 10.1007/s00500-017-2632-5, 2016: 10.1109/CEC.2016.7744309, 10.1145/2908961.2908995, 2015: 10.1007/s00500-015-1911-2, 10.1109/TEVC.2014.2313659, 10.1109/TLA.2015.7112014, 1870-4069:98, 10.3233/ICA-150481, 10.1016/j.nahs.2014.08.004, h-10016-21878, 2014: 10.1007/978-3-662-45523-4_7, 10.1016/j.amc.2014.03.083, 10.11394/tjpnsec.5.16, 10.4018/ijncr.2014040102, 10.12700/APH.25.04.2014.04.9, 10.1109/TPWRS.2014.2302033, 10.1007/978-3-642-37577-4_17, 2013: 10.1002/jcc.23235, 10.1109/CEC.2013.6557657, 10.1016/j.ins.2013.06.011, 10.1007/s10462-011-9267-1, 2012: 10.1.1.457.852 2011: RG-265061754, 10.1007/s10898-010-9590-0, 10.4018/jaec.2011040103, 2010: 10.1109/NABIC.2010.5716284, DL.ACM.1864288, 10.1109/NABIC.2010.5716284, 10.1145/1143997.1144086, 10.1049/iet-gtd.2009.0007, IJC-4-4 IJCC 2009: 10.1007/s00500-009-0510-5, 2005: 10.1007/978-3-662-49014-3_8,

(2.175) 71 2021: 10.1016/j.swevo.2021.100960, 2018: 10.1016/j.ins.2018.05.015, 10.1007/978-3-319-74775-0, 10.1016/j.ins.2018.02.048, 2017: 10.1109/ICCP.2017.8117011, 10.1002/cpe.4087, 10.1007/s00500-017-2523-9, h-10084-120147, ufmg-1213D, 2016: 10.1016/j.ins.2016.01.068, 10.1007/s10462-015-9452-8, proq-10310921, 2015: 10.1109/TEVC.2015.2433672, 10.1109/CICN.2015.243, 10.1007/s11047-015-9488-3, 1024-123X:287607, 10.1016/j.asoc.2015.06.010, h-10803-305235, h-10635-122843, 2014: 10.1109/CEC.2014.6900601, hdl.handle.net/10915/42385, 2013: 1450-216X-99-1-7, 10.1109/TCYB.2013.2279211, 10.1007/978-3-319-03753-0_16, hdl.handle.net/10915/31709, 10.1155/2013/750819, HPCLatAm 2013, 10.1109/SDE.2013.6601435, 10.4028/www.scientific.net/AMR.694-697.2751, ejsr-99-1-61, 2012: 10.1016/j.jocs.2012.12.002, 10.1016/j.swevo.2012.09.004, 10.1007/978-3-642-30976-2_44, 10.1109/CEC.2012.6256479, 10.1007/s12293-012-0089-8, 10.1145/2240166.2240170, 10.1145/2330163.2330233, 10.1145/2330163.2330341, 10.1016/j.compstruc.2012.05.009, 2005-8039:4(4), ICTInnov-12-47, 2011: 10.1016/j.ejor.2011.07.038, 10.1109/SYNASC.2011.46, 10.1109/CEC.2011.5949801, 10.1007/s00500-010-0641-8, 10.1109/TEVC.2010.2083670, 1746-7233:7(1), 10.1016/j.cor.2010.06.007, 10.1016/j.asoc.2010.04.024, 10.1007/s00500-010-0655-2, h-10356-46547, 2010: 10.1007/978-3-642-17563-3_9, 10.1007/978-3-642-15871-1_3, 10.1007/s10462-009-9137-2, 2009: 10.1109/CEC.2009.4982947, 10.1007/978-3-540-93964-1_3, 10.1007/978-3-540-93964-1_2, DL.ACM.1550693, 2008: 10.1007/978-3-540-68830-3_1, 10.1109/TEVC.2008.2009457, 10.1109/TEVC.2008.927706, 10.1109/CEC.2008.4630864, 10.1109/CEC.2008.4630983, 2007: 1001-0920:22(7), 10.1109/CEC.2007.4424709, 10.1109/CEC.2007.4424939, KIT-Yee-07, 2006: 10.1007/3-540-32839-4_2, 10.1007/978-0-387-36896-2, ICO3E, 2003: sem-1942,

(2.177) 11 2018: T-Usaskatchewan 2016: 10.1088/1757-899X/225/1/012085, 2015: 10.1145/2641563, 2011: arXiv:1101.4434v1, 2010: 2500-1019:317 2009: 10.2166/wst.2009.034, 2008: DL.ACM.1403989, SEGA08, 2006: MathMod2006, 10.1109/ANSS.2006.9, 2005: 10.1007/11535294,

(2.179) 1 2010: 978-0-470-08525-7

(2.180) 7 2010: 10.1016/j.tws.2010.01.004, 2008: 10.12989/sem.2008.28.4.443, 2007: 10.1016/j.jcsr.2006.03.001, 2005: 10.1007/3-211-38023-X_8, 2004: 0750310065 2000: 10.1142/9781848160095_0016, RG266463752,

(2.182) 1 2019: 10.1109/ICDCS.2019.00032,

(2.183) 1 2017: 10.1145/3068126.3068127,

(2.184) 28 2021: 10.1109/TDSC.2021.3062204, 10.1145/3412841.3441885, tel-03350455 2019: 10.1109/INFCOMW.2019.8845105, D6502048419/19©BEIESP 10.1007/978-3-030-23128-6_2, 10.1007/978-3-030-18419-3_5, 10.4018/978-1-5225-8176-5.ch102, 10.3233/JCS-181137, 10.3966/199115992019023001003, tel-02570591 2018: 10.1109/CIACT.2018.8480143, 10.1109/CNS.2018.8433180, 10.1007/s10586-017-1657-y, CA-984104 2017: 10.1109/ANTS.2017.8384139, 10.1109/TIFS.2017.2779444, 10.1109/IEEE.EDGE.2017.20, 10.1109/ACCESS.2017.2744677, 2016: 10.1016/j.compeleceng.2016.12.030, 10.1109/ICIS.2016.7550739, 10.1109/EITech.2016.7519629, 10.1201/9781315372112-9, 10.1007/978-3-319-45744-4_3, 10.1109/ICDCSW.2016.29, tel-01431183 2015: 978-1-943436-00-2, 2014: 10.4018/ijoci.2014070102,

(2.185) 3 2017: 10.1007/978-3-319-54325-3_9, d-nb-34 2013: 978-91-7459-704-2

(2.186) 1 2019: 10.5220/0007731804120421,

(2.188) 1 2012: 1942-2679:5(3-4),

(2.189) 9 2014: 10.1007/978-3-642-35016-0_3, 2013: 10.1109/3PGCIC.2013.40, 2012: 10.1109/UCC.2012.50, 10.2498/iti.2012.0374, 10.1109/ISPDC.2012.31, 10.1109/SYNASC.2012.67, 10.1109/ISPA.2012.69, 10.1109/CISIS.2012.138, 10.15837/ijccc.2012.5.1348,

(2.190) 21 2015: 10.1016/j.future.2015.03.006, 2381-1281:1(2), handle-11441-26809, 2014: 10.1504/IJGUC.2014.060198, 10.12753/2066-026X-14-093, 10.1109/EMS.2014.36, 10.12694/scpe.v15i4.1055, 10.1007/978-1-4471-6452-4_11, 10.1007/978-3-319-01571-2_32, 1335-9150:33(3), 10.1007/978-3-319-01571-2_32, 2013: 10.5220/0004357104160426, 2229-5518:4(12), 10.1109/AINA.2013.83, 10.1109/WAINA.2013.100, 2012: 10.1109/SYNASC.2012.67, 10.15837/ijccc.2012.5.1348, 10.1109/ISPDC.2012.31, 1895-1767:13(3), 10.2498/iti.2012.0374, 2011: 10.1109/UCC.2011.43,

(2.191) 64 2021: 10.1109/ICOEI51242.2021.9452978, 10.1007/s11277-021-08223-7, 10.25932/publishup-50279, arxiv/2108.09956 2020: 10.15676/ijeei.2020.12.4.19, 10.18517/ijaseit.10.5.7606, IJIM 10.18196/jrc.1423, 10.1007/978-981-15-0146-3_2, 2019: RG-336550697 10.20378/irbo-54102, REPOSIP-333773, tel-02443225 2018: 10.1109/ISETC.2018.8583868, 978-988-14047-9-4 2017: 10.1109/EECS.2017.40, 10.1145/3092698, 2242-4528:10(2), 10.1177/1478077117731174, 10.5539/cis.v10n3p29, 10.1109/SOSE.2017.23, 10.1007/s10586-017-0897-1, 2477-8893:8(1), 10.1007/s11277-017-4035-4, 10.20381/ruor-632, h-1853-60150, TUD, Maskana, 2016: 10.4018/978-1-5225-0153-4.ch001, 10.5151/despro-sigradi2016-448, 10.1007/978-3-319-50463-6_3, 10.1109/ISSRE.2016.42, 10.1109/ICCAC.2016.13, 10.1109/SRDS.2016.022, 10.1109/SERVICES.2016.7, 2413-9513:1(2), tel-01431183 ub-46559, 2015: 10.1002/9781119042655.ch8,stepcounterc15 10.1109/UCC.2015.101, 10.1109/AINA.2015.267, 10.1016/j.proeng.2015.01.472, 10.1109/LCNW.2015.7365920, US patent 9100345, 10.4018/978-1-4666-8339-6.ch002, h-10023-6974, 2014: tel-01127070 10.1109/UCC.2014.90, 10.1002/9781119042655.ch9, 10.1109/LatinCloud.2013.6842213, 10.1109/MELCON.2014.6820520, 10.1109/CloudCom.2013.34, 10.1177/0037549713520251, 2067-3809:7, 10.1007/s10723-013-9285-0, 10.1007/978-1-4614-7535-4_22, 10.1109/NOF.2014.7119796, 10.1007/978-1-4471-6452-4_9, 2013: 10.1109/CloudCom.2013.102, arXiv1306.1394, arXiv 1308.0824, IJCNAWC, 2012: 10.1007/978-3-642-29737-3_12, 10.1186/2192-113X-1-6,

(2.199) 3 2012: 0122-6517:8(1), h-10399-2606, 2010: 10.1007/978-90-481-9112-3_69,

(2.201) 2 2021: 10.3390/pr9030511, 2005: WMC6,

(2.206) 1 2021: 10.3390/ma14082051,

(2.212) 3 2007: 10.12989/scs.2007.7.3.185, 2002: 10.1080/13287982.2002.11464900, 10.1080/13287982.2002.11464896,

(2.213) 3 2014: TSI-04 2000: 10.1061/(ASCE)0733-9445(2000)126:7(780), 10.1061/(ASCE)0733-9445(2000)126:11(1268),

(2.214) 18 2021: 10.3390/ma14082051, 2020: 10.20898/j.iass.2020.204.044, 10.3390/sym12050763, 2019: 10.3390/sym11121438, 10.1088/1757-899X/471/8/082064, 10.1088/1757-899X/471/5/052075, 10.3390/buildings9020046, IASS 2017: 10.1201/9781315166605-132, ACE-1-17 ACE-17-10 1351680471 2016: 10.1016/j.proeng.2016.08.498, 10.1016/j.proeng.2016.08.624, 2015: 9780429225628, 2014: 10.7862/rb.2014.1, 2010: 0209-2646-10 2009: 0209-2646-09

(2.216) 6 2016: ep-15908 2015: 10.1016/j.jcsr.2015.10.024, 2014: TU 2010: 7CUEE 2007: h-10356-12064 2000: 10.1007/978-94-010-0950-8_16,

(2.231) 24 2017: 10.1109/TCYB.2017.2728725, ufmg-1213D, h-10084-120147, h-2183-19234, 2016: 10.1109/CIS.2016.0129, 2015: 10.1016/j.asoc.2015.04.025, 2013: 10.1007/s00500-013-1178-4, 10.1007/s12293-013-0119-1, 2012: 10.1109/TEVC.2010.2083670, 10.1109/CEC.2012.6252890, 10.1007/978-3-642-34062-8_69, 10.1016/j.ins.2012.04.027, 10.1007/978-3-642-17432-2_30, h-10889-7885, 2011: 10.1016/j.ins.2011.02.008, 10.1109/TEVC.2010.2081369, 2010: 10.1007/978-3-642-17432-2_30, 10.1007/978-3-642-17563-3_4, 10.1007/978-3-642-12239-2_49, 2009: 10.1007/s10710-009-9089-y, 2008: 10.1007/978-3-540-68830-3_4, 10.1007/978-3-540-68830-3_1, 2006: h-10084-120147, COEEE 2005: CCIRA 2005, 2000:

(2.245) 1 2010: h-20.500.12008-2958

(2.254) 1 2009: 10.13140/RG.2.1.2174.7042,

(2.255) 1 2010: 10.1007/s12145-010-0064-1,

(2.275) 2 2016: US Patent 9514018, 10.1007/978-3-319-28406-4_3,

(2.289) 8 2020: 10.1002/spe.2908, 2019: 2289-2702-8-35 10.1088/1757-899X/705/1/012049, 10.30534/ijatcse/2019/74852019, Aalto-193 2018: 10.1007/978-3-319-79090-9_15, 10.3389/frobt.2017.00064, 2017: 10.3390/ijgi6070192,

(2.292) 33 2021: 10.1109/CLOUD53861.2021.00088, 10.1504/IJGUC.2021.117879, 10.1177/1063293X211032622, 10.1016/j.simpat.2021.102303, 2020: 10.1504/IJITST.2020.109537, 10.1007/s11227-020-03258-2, 10.1016/j.future.2019.12.044, FUBB 10.13140/RG.2.2.19287.09127, hal-tel-03009816 h-10863-14082 U-Maryland 2019: 10.1007/s11227-019-03025-y, 10.1109/icssit46314.2019.8987845, 10.3390/s19183830, 10.23919/SPECTS.2019.8823508, 10.1007/978-3-030-28374-2_56, 10.1109/CLOUD.2019.00070, 10.1109/TSC.2019.2909896, 10.1109/ACCESS.2019.2891130, SSRN-3432799 2018: 10.1007/978-981-13-2254-9_8, 10.1109/QUATIC.2018.00039, 10.1007/978-981-13-2254-9_4, 10.1016/j.simpat.2018.09.001, 10.1109/ACCESS.2018.2801319, 2017: 10.1145/3151759.3151831, 10.1007/978-3-319-70625-2_3, 10.1007/978-3-319-69904-2_10, 10.1109/CONFLUENCE.2017.7943161, h-2144-27374 h-1893-26064

(2.293) 7 2021: 10.1016/j.advengsoft.2021.103029, 2020: 10.1002/cpe.6164, 10.13140/RG.2.2.36167.93605, 2019: 10.13196/j.cims.2019.03.001, 10.1007/978-3-030-23502-4_11, h/10468/9481 2017: 10.13328/j.cnki.jos.005169,

(2.294) 1 2019: 10.1007/978-3-319-99444-4_3,

(2.296) 1 2018: 10.1109/SmartWorld.2018.00095,

(2.298) 5 2018: 10.4018/978-1-5225-5020-4, 10.1007/s41324-018-0181-3, ulb-6956, 2016: 10.4018/978-1-5225-0886-1, 2015: 10.1016/j.cag.2015.02.005,

(2.299) 4 2016: 10.1007/978-3-662-50412-3_6, 10.1051/epjconf/201610802029, 2015: 10.12694/scpe.v16i2.1089, 2014: 10.1145/2628194.2628245,

(2.301) 12 2018: 10.1007/978-981-10-8536-9_46, 10.4018/978-1-5225-5020-4, 2017: 10.4018/978-1-5225-1703-0, 10.1093/bib/bbx102, 10.1007/978-3-319-63315-2_18, 10.4018/978-1-5225-0602-7.ch008, e-7609 2016: 10.4018/978-1-5225-0886-1, 2015: 10.1109/DeSE.2015.28, 10.12691/jcsa-3-3A-2, 2014: 10.1109/IC2E.2014.35, 2013: 10.1109/ICST.2013.75,

(2.303) 26 2020: 10.3390/app10144905, 2019: 10.1145/3365871.3365896, 10.1007/978-3-030-33509-0_54, 10.1007/978-3-030-33509-0_28, 10.1007/978-3-030-33509-0_55, 10.1007/978-3-030-33509-0_51, 2018: 10.1007/978-3-030-01818-4_2, 10.1504/IJCSE.2018.091770, 10.1145/3195870.3195875, 2017: 10.1109/WAINA.2017.137, 10.18419/opus-9093, 2015: IERC15 10.1016/j.future.2015.09.025, 10.1109/3PGCIC.2015.55, 10.1186/s13677-015-0039-3, 2381-1281:1(2), tel-01206244, h-2117-96024, 2014: 10.1145/2593512, 978-1-61208-338-4, 10.1007/978-3-319-01571-2_33, 2013: 10.1109/WAINA.2013.163, 10.1080/10798587.2013.786968, 2012: 1895-1767:13(3), 10.1145/2362499.2362515, MC-2012-11

(2.304) 4 2018: 10.1016/j.datak.2017.11.001, 2015: 1613-0073:1427, 2012: SCPE-13-4-339 2011: tel-00833237

(2.305) 5 2019: 10.1007/978-3-030-28377-3_55, 2017: 10.1016/j.datak.2017.11.001, 2015: 1613-0073:1427, 2014: 10.13140/2.1.3779.5529, tel-00833237

(2.306) 1 2011: 10.1007/978-3-642-18466-6_24,

(2.307) 2 2015: 10.1109/IconSpace.2015.7283808, 2010: 10.1109/GEOINFORMATICS.2010.5567889,

(2.308) 2 2012: 10.1201/9781351045636-140000258, 2011: 10.1007/s10723-011-9185-0,

(2.309) 2 2012: UU-CS-2012-006, 10.4018/978-1-4666-2488-7.ch003,

(2.310) 1 2020: RG-265206008

(2.313) 13 2019: 10.1016/j.jcsr.2019.02.031, 2017: 2455-9024:2(2), 2014: RG-261181491, TU, 2010: 10.1016/j.jcsr.2010.09.002 10.1260/1369-4332.13.3.413, 0046-7316:55(1), 10.18419/opus-76., 2007: 1816-112x:3(4), 2006: 10.1061/(ASCE)0733-9445(2006)132:6(918), 2005: 10.18419/opus-230., btu-101, 2004: ucoimbra-t,
(2.314) 20 2018: 10.1007/978-3-319-75025-5_19, 2010: 0033-2097:86(1), 2009: 10.1007/s00450-009-0071-y, Npdntu-09-10-27 2007: h-21107 2006: 10.1109/IJCNN.2006.246701, 10.1109/PARELEC.2006.82, 10.1109/TCSET.2006.4404470, BWA0-0007-0011 URJ-2006081802 2005: 1727-6209-322-293 10.1007/11557265_65, 10.1117/12.610722, 10.1117/12.610721, 1586035029, CIPC2005-J&M, 2004: 10.1109/PCEE.2004.69, 10.1109/PCEE.2004.68, 2003: 2300-1917:51(4), 2000: 10.1109/PCEE.2000.873627,
(2.319) 3 2010: Xplore:5541543, DL.ACM.1984398, DL.ACM.1973283,
(2.322) 3 2009: 10.1109/CSSim.2009.35,, 2005: SACI-2005, 2004: 975-98458-1-4,
(3.96) 1 2019: 10.1109/ICCCBDA.2019.8725700,
(3.97) 3 2021: 10.1155/2021/5167395, 2018: 10.1109/SCC.2018.00030, IJTRD16281
(3.105) 1 2015: 10.14257/ijsia.2015.9.3.28,
(3.108) 1 2012: 0122-6517:8(1),
(3.138) 29 2021: 10.1007/s10723-021-09549-z, 10.5220/0010404301780189, ISB-55-60 2020: 10.1016/j.simpat.2020.102151, 10.1186/s13677-020-00194-7, 10.1016/j.micpro.2020.103244, 10.1007/978-3-030-44769-4_8, 10.1109/CCNC46108.2020.9045145, 10.1109/ACCESS.2020.2966597, 10.4018/IJDST.2020010103, UV-20 10.6092/unibo/amsdottorato/9303, 2019: 10.1145/3316615.3316714, 10.1007/s00165-019-00491-2, 10.1007/978-3-030-22993-1_12, 10.1109/MODELS-C.2019.00114, 2018: 10.1109/ATNAC.2018.8615186, 10.1109/CSNET.2018.8602927, 978-91-7753-876-9, RG-327010457, 10.1109/PDP2018.2018.00088, 10.1145/3241737, 10.3966/199115992018122906022, 2017: h-11705, 10.1007/978-3-319-91764-1_29, 978-9963-2288-3-6, 10.1109/SCC.2017.52, h-10589-133109, proq-10621462,
(3.139) 11 2021: 10.1007/978-3-030-80847-1_8, 2019: 10.1109/COMST.2019.2916188, 10.30837/pt.2019.1.01, 2018: 10.1002/9781119425144.ch15, 10.1002/ett.3545, 2017: 10.1007/978-3-319-44924-1_10, 2016: 10.1109/WAINA.2016.166, 2015: 10.1007/978-3-319-28448-4_8, 2014: 10.1109/SOFTCOM.2014.7039093, 10.12700/APH.11.07.2014.07.1, 2013: 10.1109/CogInfoCom.2013.6719233,
(3.140) 10 2020: 10.3390/su12104223, 2019: 10.1007/s00607-019-00734-3, 2018: 10.1016/j.future.2018.04.044, 2017: 10.26483/ijarcs.v8i7.4540, 10.1016/j.jnca.2017.01.016, h-10902-11944, 2016: 10.14279/depositonce-4964, 2015: 10.1109/CCGrid.2015.147, 2012: 10.1109/CISIS.2012.152, 10.1109/SRII.2012.44,
(3.142) 3 2009: 10.1109/SYNASC.2009.20, 10.1007/978-3-540-92666-5_19, h-20.500.12116,

Notes: Only citations after 01.01.2000 are displayed; the list do not include self-citations of any co-author; the list do not include most of the doctoral or master thesis that are not registerd in well known repositories; Highly cited (more than 10 citations/year): 2.1, 2.9, 2.132; special mentioning:10.1109/TCC.2014.2321168, Tbl.19, Author 8th/World/Cloud computing: Petcu, D.

4.2 General indicators

H-index, articles and citations in various indexing services

What	Google Academic (GA)	ResearchGate (RG)	Displayed above (UP, no self-citations)	Scopus/Mendeley (SC)	Web of Science (WS)
h-index	31	26	26	24	19
Articles	341	285	326 +132 ($2+$3.2.4:$3.2.8)	181	126
Citations	4033	2745	2525	2050	1037

Citations per year as registered by indexing services

Service	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	Registered
GA		154	196	271	307	383	378	437	402	337	260	122	100	72	98	58	50	95	26	19	14	23	24	4033
RG		102	134	157	213	222	272	308	290	291	199	105	70	61	87	43	38	31	18	7	12	13	22	2745
UP		122	162	219	250	329	303	313	257	176	127	51	46	33	34	31	18	20	10	10	3	3	11	2525
SC	5	88	126	154	215	192	217	216	248	193	141	49	40	26	48	24	15	13	7	5	6	8	5	2050
WS		35	66	83	103	106	117	135	103	72	52	25	16	22	20	11	14	9	5	7	7	5	16	1037

Top 32 papers in terms of citations (in Italics the ones which are contributing to h-index)

Top	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Ref (2.?)	132	1	105	90	6	107	108	9	34	191	106	125	175	174	136	166	39	7	11	190	303	292	13	47	184	138	111	146	15	314	33	163
GA	*309*	*225*	*192*	*183*	*147*	*127*	*128*	*121*	*123*	*105*	*90*	*90*	*78*	*72*	*70*	*74*	*66*	*61*	*65*	*45*	*38*	*43*	*38*	*37*	*37*	*37*	*37*	*35*	*31*	*31*	*31*	31
RG	*163*	*164*	*83*	*123*	*86*	*93*	*84*	*94*	*92*	*65*	*49*	*73*	*56*	*54*	*57*	*52*	19	*58*	*41*	*33*	20	*32*	*30*	21	23	*27*	24	*30*	*31*	15	22	*30*
UP	*223*	*179*	*149*	*147*	*109*	*76*	*91*	*100*	*89*	*64*	*51*	*50*	*71*	*43*	*35*	*33*	*60*	*57*	*41*	21	*26*	*33*	*37*	*26*	*28*	*29*	12	19	8	20	*32*	10
SC	*158*	*114*	*102*	*85*	*64*	*84*	*64*	*59*	*74*	*60*	*43*	*56*	*44*		*58*	*44*	*42*	*45*	*31*	*31*	18	*24*	*27*	17	*24*	5	13	*26*	19		17	*24*
WS		*85*	*71*		*65*	*48*	*45*	*67*	*67*		*26*	*48*	*28*	*20*		*24*	*28*	*47*	*22*		16	*24*	*26*	16		0		*20*	*19*		16	14

i10-index: Google Academic: 72
Displayed above: articles with DOI: 186 and with ids in WoS: 127
publons data: over 500 reviews for journals after 2012, 6 awards (top 1% in Comp.Sci.& Multidisciplinary, top 10 female reviewers)

4.3 Romanian indicators

Sci-production (P): 276.06 (> 56); A*+A: 64.8 (> 24); A*+A+B: 132.03 (> 16); Journals: 125.35 (45.41%); Conferences: 150.71 (54.59%); **Impact (C):** 4,404.32 (> 120); A*+A+B: 3,325.21 (> 40); **Academic perspective (D):** 1,286.06 (> 60); No. projects in D: 70; **Total:** 5,966.44; **Times the position** (over 236): 25.28; **Weighted h-index** ($0.5 \cdot h_{WS} + 0.3 \cdot h_{SC} + 0.2 \cdot h_{GA}$): 21.7

Contents

PROGRAM MANAGERIAL

de susținere a candidaturii la funcția de

DECAN

al Facultății de Matematică și Informatică

în mandatul 2020-2024

Propunător: Prof. Dr. Dana PETCU

Decembrie 2021

Timișoara

1. Analiză SWOT

Procesul decisional din facultate ar trebui să constuiască pe punctele tari (S), să elimine punctele slabe (S), să exploateze oportunitățile (O) și să îndeparteze amenințările.

Astfel, programul managerial propus se bazează pe următoarea analiză SWOT.

S- Puncte tari	**W – Puncte slabe**
• Facultate cu tradiție, cunoscută în țară • Competitivitate la admitere • Număr mare de studenți, inclusiv la taxă • Angajabilitatea absolvenților • Calitatea activităților de cercetare • Infrastructură specifică, la zi • Majoritatea cadrelor sunt active științific • Activă în consorțiu universităților de profil • Resurse financiare care asigură stabilitate • Diversitatea surselor de finanțare pentru activități de cercetare-dezvoltare	• Numărul mic al cadrelor la nivel de intrare • Scăderea nivelului rezultatelor cercetării/info • Reacția greoie la schimbările pieții muncii • Colaborare contractuală redusă cu companiile în afara procesului didactic • Interes scăzut în mobilități internaționale, în special în programul ERASMUS • Interactiune slabă cu alumni si diaspora • Interacțiunea cu alte facultăți/domenii • Rata de abandon a studenților • Atractivitatea scăzută pentru studenți străini
O – Oportunități	**T - Amenințări**
• Diversificarea ofertelor în piața muncii pentru absolvenții FMI • Colaborarea în cadrul UNITA • Pregătirea absolvenților în competențe complementare pt. a asigura adaptabilitatea • Promovarea în mediu virtual în contextul activităților on-line • Suport institutional pentru noi programe de studii care răspund cerințelor pieții muncii • Conștientizarea de către companiile și instituțiile de profil a necesității sprijinirii procesului educațional • Pozitionarea profesională și socială a absolvenților FMI	• Suprasolicitarea didactică reduce calitatea educației si rezultatele cercetării • Scăderea interesului pt. licență în matematică • Interesul scăzut al absolvenților cu potențial într-o carieră academică în facultate • Numărul de colaboratori în activitatea didactică mai mare decât numarul cadrelor • Angajarea timpurie a studentilor duce la reducerea rezultatelor învățării • Prelungirea stării de alertă și a activitătilor online pot conduce la permanentizare • Subvalorizarea socială a competențelor matematicienilor • Ofertele educaționale ale altor universități sau din mediul privat

2. Strategia academică

Obiectiv:

creşterea calităţii actului educational pentru formarea unor specialişti responsabili şi activi care să deţină cunoştinţe solide şi competenţe specifice.

Directii majore de acţiune:

2.1	Atragerea de candidaţi la admitere care au potential să performeze în meseria aleasă
2.2	Susţinerea şi promovarea modelelor de bună practică academică
2.3	Asigurarea unui mediu propice de educaţie care să permită studenţilor să devină profesionişti
2.4	Asigurarea suportului pentru trasnformarea digitală a procesului educational
2.5	Asigurarea suportului pentru implementarea UVT Teaching Brand
2.6	Monitorizarea proceselor de evaluare internă a calităţii educaţiei
2.7	Susţinerea iniţiativelor departamentelor privind creşterea atractivităţii programelor de studii
2.8	Stimularea performanţei studenţilor prin recompense
2.9	Analiza tendinţelor în piaţa muncii şi acţiune pentru adaptarea procesului educativ
2.10	Auditarea internă a programelor de studii şi definirea de acţiuni corespunzatoare concluziilor
2.11	Aplicarea mecanismelor de evaluare stabilite prin manual calităţii elaborat la nivelul UVT
2.12	Analiza motivelor abandonului scolar şi elaborarea unor planuri de masuri corespunzatoare
2.13	Implicarea studenţilor reprezentanti şi tutorilor pentru evitarea insucceului
2.14	Antrenarea studentilor performanţi în activităţi de cercetare şi suport
2.15	Susţinerea financiară a participării studentilor la manifestări ştiinţifice,competiţii,şcoli de sezon
2.16	Asigurarea participării la proiecte de formare a atudentilor şi a cadrelor didactice
2.17	Intarirea colaborării cu mediul preuniversitar
2.18	Organizarea de evenimente ale facultăţii care implică colaborare între studenţi şi elevi
2.19	Implicarea organizatiilor studenţeşti la evenimente orgnaizate la nivel de facultate
2.20	Incurajarea implicarii steudntilor la îmbunăţirea procesului educational, inclusiv feedback
2.21	Intarirea rolului tutorilor de an şi a studenţilor reprezentanţi în comunicarea cu studenţii
2.22	Organizarea de activităţi suport entru studentii cu dificultăţi de adaptare la mediul universitar

3. Strategia de cercetare

Obiectiv:

creşterea producţiei ştiinţifice de calitate si a relevanţei cercetării în context naţional şi international.

Directii majore de acţiune:

3.1	Sprijinirea organizării la FMI de evenimente stiinţifice de nivel internaţional
3.2	Asigurarea suportului financiar pentru participarea la evenimente de avergură internatională
3.3	Stimularea deschiderii cercetării din cadrul facultăţii catre comunitate internă şi externă UVTului
3.4	Organizarea de sesiuni de prezentări stiintifice dedicate studentilor
3.5	Atragerea studentilor în proiecte de cercetare-dezvoltare ale FMI
3.6	Organizarea de seminarii pentru scrierea de propuneri de proiecte
3.7	Stimularea de iniţiative de cercetare interdisciplinară
3.8	Crearea unor mastere de cercetare
3.9	Stimularea participării membrilor facultăţii la foruri naţionale şi internaţionale de specialitate
3.10	Identificarea de teme de cercetare de interes pentru companii sau institutii din regiunea Vest
3.11	Analiza periodică a rezultatelor cercetărilor si a impactului acestora
3.12	Stimularea financiară a rezultatelor cercetării de excelenţă ale cadrelor şi studenţilor
3.13	Stimularea participării active la seminariile ştiinţifice ale departamentelor
3.14	Suport pentru creşterea vizibilităţii revistelor editate de FMI
3.15	Sprijinirea deschiderii de noi directii de cercetare
3.16	Identificarea cercetătorilor vizibili international care pot fi implicaţi în activităţile de cercetare
3.17	Atragerea de noi cercetători în centrele de cercetare şi departamentele ICAM
3.18	Valorificarea oportunităţilor de finanţare prin PNRR, Proiecte nationale strategice, PNIII, FS, HE
3.19	Promovarea expertizei de cercetare pe site-ul facultăţii şi în întâlnirile cu companiile
3.20	Valorificarea oportunităţilor legate de participarea în clustere naţionale şi intrenaţionale
3.21	Menţinerea la zi a infrastructurii de cercetare
3.22	Creşterea numărului de proiecte de cercetare-dezvoltare şi a cadrelor implicate

4. Strategia de internationalizare

Obiectiv:

creşterea vizibilităţii internaţionale a activităţilor de cercetare şi didactice ale FMI, a experienţei internaţionale a cadrelor şi studenţilor şi atragearea de studenţi şi cercetători străini.

Directii majore de acţiune:

4.1	Promovarea studiilor în limba engleză în afara ţării
4.2	Implicarea activă în activităţile asociate proiectului UNITA
4.3	Identificarea şi atragerea alumilor internationali în activitătile de internationalizare
4.4	Organizarea de şcoli de sezon internaţionale
4.5	Creşterea vizibilităţii internaţionale ale evenimentelor ştiinţifice organizate de FMI
4.6	Site în engleză a FMIului cu prezentarea competenţelor cadrelor didactice şi ofertă educională
4.7	Alinierea curiculei educationale la standardele internationale
4.8	Creşterea numărului de mobilităţi ERASMUS ale cadrelor didactice si doctoranzilor
4.9	Creşterea participării la programul Horizon Europa
4.10	Sustinerea financiara pentru participarea la traininguri, scoli de sezon, conferinţe
4.11	Stabilirea de parteneriate internationale pentru schimburi academice
4.12	Sustinerea dezvoltării unor programe de studii double-degree
4.13	Cresterea numărului de cadre didactice din strainătate cu statut de colaboratori
4.14	Identificarea de candidaţi pentru 'visiting professor'
4.15	Implementarea unui program de master în engleză în domeniul Matematică
4.16	Cursuri şi conferinţe în engleză în platforme MOOC internationale
4.17	Creşterea numărului de editori străini pentru revistele FMI
4.18	Intensificarea colaborării în cadrul European Computer Science
4.19	Asigurarea cadrului pentru creşterea numărului de teze în co-tutelă internationale
4.20	Promovarea mijloacelor de creştere a vizibităţii internationale ale activităţilor de cercetare
4.21	Integrarea în echipe de cercetare internationale a cadrelor tinere şi studentilor performanţi
4.22	Organizarea de conferinţe internaţionale itinerante la FMI

5. Strategia de management administrativ, de gestiune a patrimoniului si de resurse umane

Obiectiv:

asigurarea condițiilor de desfășurare a activităților de predare și cercetare în condiții adecvate calictativ.

Directii majore de acțiune:

5.1	Identificarea și recrutarea de resurse umane calificate pt. activităti didactice și de cercetare
5.2	Proces decisional transparent si democratic la nivelul facultătii prin informari și consultări
5.3	Stimularea implicării tuturor membrilor facultății în proceselor educaționale si de cercetare
5.4	Stimularea digitalizării proceselor administrative
5.5	Perfecționarea personalului adminsitrativ în cee ace privește competențele digitale
5.6	Derularea efcientă a activităților de secretariat și suport tehnic
5.7	Gestionarea eficientă a spațiului alocat FMI pe baza necesitățile educative și de cercetare
5.8	Identificarea nevoilor concrete ale departamentelor din punct de vedere al dotărilor
5.9	Sustenabilitea financiară a programelor de studii
5.10	Sprijinirea titularilor în îndeplinirea plamului de carieră
5.11	Recompensarea financiară a performanțelor
5.12	Organizarea periodică a întâlnirilor echipelor de lucru pe teme strategice
5.13	Asigurarea functionării optime a infrastructurii laboratoarelor, seminarii, centru de calcul
5.14	Identificarea de resurse de finanțare pentru dezvoltarea patrimoniului
5.15	Atragerea de specialiști cu prestigiu profesional în activitățile colaborative
5.16	Identificarea și recrutarea de absolvenți cu rezultate deosebite în cadrul departamentelor
5.17	Susținerea cadrelor didactice în obtinerea atestatul de abilitare
5.18	Mentorat pentru cadre didactice tinere pentru integrare și progres în carieră
5.19	Corelarea planului de carieră cu fișele de post
5.20	Monitorizarea eficientă, responsabilă si neintruzivă a realizării sarcinilor de serviciu
5.21	Identificarea de soluții pentru reducerea supraîncărcării în procesul educational
5.22	Cultivarea unui climat caracterizat prin echitate, colegialitate, respect reciproc și dedicare

6. Strategia de comunicare, implicare în societate, relationare cu comunitățile de alumni și diaspora

Obiectiv:

creşterea relevanței si vizibilității facutății în medii de comunicare si medii socio-economice.

Directii majore de acțiune:

6.1	Creşterea numărului de parteneriate cu firmele pt dotarea cu echipamente specializate
6.2	Implementarea unei secțiuni special web si mijloace de comunicare decicate pentru firme
6.3	Laboratoare cercetare în colaborare cu firmele
6.4	Creşterea prezenței facultății în mass-media
6.5	Creşterea gradului de implicare în organizarea evenimentelor de popularizare a ştiintei
6.6	Parteneriate cu şcoli pentru promovarea ofertei
6.7	Implicarea în actiuni regionale sau nationale de nişă de interes actual
6.8	Crearea cadrului pentru implicarea absolventilor în politicile facultății
6.9	Asigurarea unui cadru de comunicare cu absolvenții
6.10	Implicarea absolvenților în promovarea facultății
6.11	Implicarea alumini si diasporei în managementul calității si competențelor necesare pieții
6.12	Implicarea cadrelor didactice în activități ale mediului preuniversitar&asociații profesionale
6.13	Monitorizarea angajabilității absolventilor
6.14	Adaptarea programelor de studii la piața muncii cu sprijinul institutiilor interesate
6.15	Implicarea studentilor și asociatiilor studențești în promovarea activităților facultății
6.16	Diversificarea mijloacelor de comunicare comunitare în trend
6.17	Folosirea elementelor de identitate vizuală oficială de către toti membrii facultății
6.18	Identificarea temelor de interes în colaborări cu comunitățile locale și regionale
6.19	Actualizarea periodică a unor baze de date cu alumini si diaspora
6.20	Organizarea de sesiuni motivaționale pentru studenti de către alumni
6.21	Diversificarea parteneriatelor pentru practica studenților
6.22	Identificarea necesităților de perfecționare care pot fi subiecte pentru postuniversitare

Lista cu propunerile pentru funcții de prodecani

1. **Conf. Dr. Cosmin BONCHIȘ**
   a. Relația cu mediul socio-economic
   b. Imaginea facultății în mediul virtual
   c. Relația cu alumni

2. **Lect. Dr. Aurelian CRĂCIUNESCU**
   a. Procesul de învățământ, actualizarea metodologiilor și procedurilor
   b. Relația cu studenții
   c. Asigurarea calității

3. **Lect. Dr. Claudia ZAHARIA**
   a. Cercetarea
   b. Relația cu mediul preuniversitar
   c. Internaționalizarea

Prof. Dr. Dana Petcu

Decembrie 2021

Angajament privind activitatea managerială

Subsemnata, Dana PETCU, profesor la Departamentul de Informatică al Facultății de Matematică și Informatică, Universitatea de Vest din Timișoara, în calitate de candidat la funcția de decan pentru mandatul 2020-2024, mă anagajez să efectuez săptămânal cel putin 25 de ore de activitate managerială, în cadrul facultății, pentru realizarea sarcinilor aferente funcției.

Prof. Dr. Dana Petcu

Decembrie 2021

Declarație

Subsemnata, Dana PETCU, prof. dr. la Departamentul de Informatică al Facultății de Matematică și Informatică din cadrul Universității de Vest din Timișoara, în calitate de candidat la funcția de decan pentru mandatul 2020-2024, declar pe propria răspundere că nu am avut calitatea de lucrător sau de colaborator conștient al Securității în perioada 1966 (an naștere)-1990.

Prof. Dr. Dana PETCU

Decembrie 2021