A Complete Bibliography of Publications in the *Journal of Grid Computing*

Nelson H. F. Beebe  
University of Utah  
Department of Mathematics, 110 LCB  
155 S 1400 E RM 233  
Salt Lake City, UT 84112-0090  
USA  
Tel: +1 801 581 5254  
FAX: +1 801 581 4148  
E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)  
WWW URL: http://www.math.utah.edu/~beebe/  
21 September 2022  
Version 1.34

**Title word cross-reference**

3 [387]. 3 [209]. K [554].

-Means [554].

15 [112].

2 [233]. 2.0 [411]. 2015 [417].

512 [653].

Abdominal [552]. Abnormal [553].

Abstract [4]. Academic [207, 528].


Accountable [556]. Accounting [166].

Accuracy [119]. Accurate [559].


Activities [206]. Actor [550].


Addressable [34]. Addressing [533].


Advancing [418]. Adversarial [552, 650].

Against [134]. Age [551]. Agent [103, 531].

Agents [67, 139, 248]. Aggregation [164].

Agreement [111, 168]. Agreements [578].

Agricultural [630]. Ahead [122]. Air [576].

AirCargoChain [576]. Algebra [300].


Decision-Making [605]. Decisions [297].
Declarative [629]. Dedicated [183, 190].
Definitions [3]. DEISA [234]. Delay [147].
Delegation [239, 580]. Delta [471].
Departmentalized [149]. Dependable [291]. Dependent-Tasks [588].
Deploy [463, 513]. Deploying [262].
Deployment [87, 172, 238, 252, 343, 348, 422, 464, 526, 597, 599, 600]. Describing [582].
Detected [516]. Detecting [558].
Detection [490, 514, 553, 559, 595, 628, 655].
Detector [585]. Determining [435, 442].
Developing [91, 621]. Development [129, 228, 281, 389, 422, 648]. Device [525].
Devices [320, 531, 604]. DGSI [239]. DHT [100]. DHT-based [100]. Diagonal [653].
DIANA [108]. Differences [421].
Differencing [483]. Digital [257, 488].
dimensional [442]. Dimensioning [414].
Discovering [327]. Discovery [23, 52, 125, 126, 154, 167, 208, 215, 496, 500, 503, 509, 600, 641].
Distribution [98, 290]. Distributions [255].
Divisible [197]. DNA [515]. DNN [593].
Docker [405]. Docking [569]. Does [156].
Domain [55, 333, 414]. Dominating [573].
Double [247, 653]. Downloads [36].
Duplication-Based [588]. During [651].
DVFS [396]. DVFS-enabled [396].
Dynamically [50]. Dynamics [44].

Economics [144, 145, 149, 150].
Edge-enabled [619]. Edge-to-Cloud [578].
Effective [150, 186, 471, 593, 619].
Elasticity [403, 635]. ElasticSim [445].
Elements [249]. EmBOINC [187].
MAAN [34]. Machine
[84, 254, 297, 395, 397, 408, 440, 452, 485, 486, 538, 581, 601, 637, 644, 645]. Machines
[370, 398, 539, 594]. MAGDA [103]. Main
[534]. Mainstream [86]. Major [340].
Makespan [385, 602]. Making
[297, 300, 519, 605]. Malaria [134]. Malware
[558]. Manage [459, 463]. Management
Managers [427, 595]. Managing
[40, 109, 123, 309, 365, 506]. MANO [626].
Many [306, 440]. Many-Objective [440].
Many-Parallel-Task [306]. Mapping
[4, 633]. MapReduce
[265, 388, 447, 475, 476, 481, 489, 587, 593, 652].
MapReduce-based [652]. Market
Marketplace [150]. Markets [224, 365].
Mashroom [337]. Mashup [337]. Mass
[68, 512, 555]. Massive [553, 604, 615].
Master [459]. Matching [222].
Matching [81, 95, 299]. Mathematical
[81, 641]. Matrix [568]. May [595]. MCDM
[442]. MCDM-based [442]. MDS [167].
Means [228, 372, 554, 556]. Measurements
[415]. Measuring [571]. Mechanism
[154, 233, 546, 610, 622, 633, 644, 648].
Mechanisms [55, 85, 261, 345, 491]. Media
[482]. Mediating [57]. Medical
[61, 130, 135, 283]. Mediterranean [199].
Meet [89]. Memory [117, 254, 401].
Message [1, 107, 219, 226, 237]. Meta
[63, 239, 304, 399, 428, 430]. Meta-Brokering
[430]. Meta-Scheduler [63].
Meta-Schedulers [304]. Meta-Scheduling
[399]. Meta-workflows [428]. Metadata
[40, 136, 433, 483, 499, 598, 608]. Metamodel
[323]. Metascheduling [89].
meteorological [423]. Method
[165, 435, 473, 503, 513, 555, 559, 580, 655].
Methodologies [341]. Methodology [569].
Methods [164]. Metric [551]. MiCADO
[627]. MiCADO-Edge [627]. Micro [507].
Micro-Clouds [507]. Microarray [179].
MicroGrid [44]. Microservice [600].
Microservices [635]. Microservices-based
[635]. Microsoft [387]. Middleware
[5, 12, 60, 135, 173, 257, 282, 352, 470].
Migration [408, 475, 645].
Migration-Aware [475]. MINDS [351].
Minimization [189]. Minimizing
[193, 489]. Mining
Mix [373]. MobiByte [389]. Mobile
Mobility [649]. Mobility-Aware [649].
Model-as-you-go [315]. Modeling
[17, 89, 137, 143, 205, 265, 340, 394, 415, 431, 441, 460, 550]. Modeling-Learning-Based
[550]. Modelling [218, 363, 416, 586].
Models
[144, 163, 242, 255, 340, 346, 380, 409, 548, 564].
Modern [518]. Module [298]. Modulo
[481]. Molecular [217, 569]. Moment [640].
Monte-Carlo [202]. MoSGrid [433]. Most
[186]. Motion [637]. Movement [501].
MPI [13, 107]. MR [552]. Multi
[34, 55, 75, 212, 240, 244, 266, 311, 333, 334, 356, 398, 426, 442, 457, 463, 464, 467, 470, 484, 508, 531, 542, 551, 560, 563, 596, 603, 642, 649].
Multi-Access [649]. Multi-Agent [531].
Multi-Attribute [34]. Multi-Cloud
[398, 426, 457, 463, 464, 596, 642].
Multi-Cluster [240]. Multi-constraints
[484]. Multi-Criteria [266].
Multi-dimensional [442]. Multi-Domain
[55, 333]. Multi-elastic [508]. Multi-Grid


## References

<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
</table>
REFERENCES


REFERENCES


Hwang:2003:FFF


Agarwala:2003:SLR


Sankaralingam:2003:PCK


Huang:2003:NSS


Crowcroft:2003:ESI


Rio:2003:QSN


Bullot:2003:EAT


Prasad:2003:SBA


REFERENCES


REFERENCES


REFERENCES

23


References

Burke:2004:HAT


Montagnat:2004:MIS


Truong:2005:DIP


Adzigogov:2005:EOG


James:2005:SDM


Song:2005:TGC


REFERENCES


REFERENCES


REFERENCES

Foster:2006:SGO

Tanimura:2006:IFT

Yan:2006:CGM

Chrabakh:2006:GDI

Dooley:2006:PPL

Jithesh:2006:GAI

Cappello:2006:ESI
REFERENCES


[100] Emiliano Casalicchio, Federico Morabito, Giovanni Cortese, and Fabrizio Davide. A novel approach to adaptive content-based subscription man-

Li:2006:DCI


Derbal:2006:EGS


Aversa:2006:MMA


Burruss:2006:RAM


Harrison:2006:WSR


Miles:2007:RUP


Genaud:2007:PMP


McClatchey:2007:DIN


Pereira:2007:MRB


Quetier:2007:SCF


Dumitrescu:2007:DUP


Wolski:2007:SIF


Cai:2007:IPP


Ganguly:2007:WSO

REFERENCES


REFERENCES


REFERENCES


[135] Johan Montagnat, Ákos Frohner, Daniel Jouvenot, Christophe Pera, Peter Kunz, Birger Koblitz, Nuno Santos,

Koblitz:2008:AMS


Christodoulopoulos:2008:SAM


Rahman:2008:RPS


Forestiero:2008:BPP


Nakajima:2008:ICR


Baraglia:2008:LTS


Beck:2008:GED


Mills:2008:CEB


Spohrer:2008:SS


Neumann:2008:FCG


Streitberger:2008:SGM


Gatani:2008:ARM


Montagnat:2008:WBD


Opitz:2008:WDG


Kotani:2008:RSS


Yeo:2009:IRA


Tan:2009:RRM


Thain:2009:CPG


Byun:2009:DAS


Al-Kiswany:2009:BMS
Domenici:2009:SDD

Schulz:2009:CAI

Lang:2009:FAB

Waldburger:2009:EAM

Said:2009:MSM

Hudert:2009:NSA

Andreozzi:2009:IPA
REFERENCES


**Muppavarapu:2009:RBA**


**Riedel:2009:GIR**


**Field:2009:GDE**


**Garzoglio:2009:DIS**


**Jensen:2009:PGS**


**Baur:2009:IGI**


Rood:2009:GRA


Heien:2009:CLL


Toth:2009:IPV


Estrada:2009:PPA


Silaghi:2009:DCN


Watanabe:2009:OSC

REFERENCES

Berstis:2009:EDG


Murphy:2010:ACG


Andreetto:2010:SBJ


Villela:2010:MAC


Georgatos:2010:GEC


Schulz:2010:ONS


Sarkar:2010:AES


[203] Maximilian Berger and Thomas Fahringer. Practical experience from porting and executing the Wien2k application on

Pallis:2010:SSE


Pallis:2010:SSE


Lingrand:2010:OJS


Cunsolo:2010:GGS


Coghlan:2010:BET


Padmanabhan:2010:SOG

Bittencourt:2010:TSM


Schulz:2010:PSS


Perez:2010:MOR


Prodan:2010:NBS


Calabria:2010:GBG


Chen:2010:GHT


Anglano:2010:SPP

Lagana:2010:CPT


Kiss:2010:PSW


Foster:2011:EM


Rimal:2011:ARC


Huu:2011:JEC


Caron:2011:PMB


Diaz:2011:BDS

[223] Ricardo Graciani Diaz, Adria Casajus Ramo, Ana Carmona Agüero, Thomas Fifield, and Martin Sevior. Belle–DIRAC setup for using Amazon Elastic Compute Cloud providing homoge-


REFERENCES


REFERENCES


[262] Michael N. Kalochristianakis, Fotis Georgatos, Vasilis Gkamas, Giannis

Aron:2012:FQP


Becciani:2012:CSD


Yang:2012:MWM


Gkoutioudi:2012:MCJ


Hirales-Carbajal:2012:MWS


Aubanel:2012:P


Ponciano:2013:AGS


Pataki:2013:STP


Hovestadt:2013:AOC


Zarrabi:2013:LSF


Cafaro:2013:PBM


Astsatryan:2013:EUS


Stout:2013:UKX


Alfieri:2013:HGT

[302] Roberto Alfieri, Silvia Arezzini, Alberto Ciampa, Roberto De Pietri, and


Vincent C. Emeakaroha, Michael Maurer, Patrick Stern, Pawel P. Labaj, Ivona Brandic, and David P. Kreil.


Cerezo:2013:CAS

Exposito:2013:APA

Zheng:2013:BDC

Nesmachnow:2013:EAS

Filippidis:2013:IHB

Kertesz:2013:EFC

Kashyap:2013:SDS

Simon:2013:MWS
Balazs Simon, Balazs Goldschmidt, and Karoly Kondorosi. A metamodel for...

Munoz:2013:RAC


Sill:2014:GEI


Chadwick:2014:AFI


Yangui:2014:COS

REFERENCES


[Troger:2014:TSJ]


[Cesario:2014:MDA]


[Bacso:2014:EMJ]


[Han:2014:GEI]


[Duipmans:2014:TBA]


Cuzzocrea:2014:MAH


Cuzzocrea:2014:MAH


Hsu:2014:ASA


Muthuvelu:2014:QBT


Costantini:2014:UID


Rasooli:2014:GSH


Kim:2014:SEG

[352] Mário David, Gonçalo Borges, Jorge Gomes, João Pina, Isabel Campos Plasencia, Enol Fernández del Castillo,
REFERENCES


Lorido-Botran:2014:RAS


Islam:2014:RED


Bagchi:2014:SAE


Khajemohammadi:2014:EWS


Arabnejad:2014:BCS


Ilias:2014:GCR


Shiraz:2015:EEC

Mattmann:2015:RAP


Garcia:2015:CSR


Caballer:2015:DMV


Heikkurinen:2015:ACA


Costa:2015:CWA


Castella:2015:DPF


Chen:2015:PDS

REFERENCES

Bencivenni:2015:AGC


Prajapati:2015:APV


Prieto-Castrillo:2015:SPA


Ebrahimirad:2015:EAS


Kokkinos:2015:SAO


Elkhatib:2015:PNA


Carvalho:2015:SPM

REFERENCES


[381] Jorge Bernal Bernabe, Gregorio Martínez Perez, and Antonio F. Skarmeta


REFERENCES


Bryk:2016:SAA

Bajaber:2016:BDP

Zhang:2016:HDC

Bazinet:2016:SLR

Coutinho:2016:DCD

Yoo:2016:TSF

Aziz:2016:MFG
[416] Benjamin Aziz. Modelling fine-grained access control policies in grids. *Jour-
REFERENCES

76


Gesing:2016:SGW


Aguilera:2016:AGI


Sinnott:2016:BDR


Gesing:2016:USG


McGrath:2016:ECS


Piontek:2016:DSG


Lopez-Pires:2017:MOV


Chang:2017:FMP


Sidhu:2017:DCA


Verginadis:2017:PHD


Peris:2017:DLB


Cai:2017:ETS


Tighe:2017:TAA

REFERENCES

Khezr:2017:MAC


Tang:2017:PCR


Nawrocki:2017:ACB


Lordan:2017:CMP


Rahmani:2017:FGD


Kanazizadeh:2017:PMT


Ramirez-Velarde:2017:ARA


REFERENCES


REFERENCES


Jie Song, HongYan He, Zhi Wang, Ge Yu, and Jean-Marc Pierson. Modulo based data placement algorithm for energy consumption optimization of MapReduce system. *Journal of Grid
REFERENCES

Aazam:2018:TMI


Shmueli:2018:FSF


Zhang:2018:EET


Aryania:2018:EA


Hinz:2018:CMI


Pascual:2018:ERV


Pereira:2018:SIB


REFERENCES


Memon:2018:TFS


Fernandez:2018:UVA


Ricci:2019:E


Bartoletti:2019:JBM


Guidi:2019:TDC


Carlini:2019:AMF


Kavalionak:2019:D

Cai:2019:SSD


Bistarelli:2019:EEV


Krasovec:2019:EGC


Park:2019:CRA


Selimi:2019:LSP


deAlfonso:2019:MED


Anwar:2019:SIK


REFERENCES


REFERENCES


Fernandez:2020:SQA


Anderson:2020:BPV


Kong:2020:HLB


Zharikov:2020:AWF


Zia:2020:RRH


Xia:2020:RPD

REFERENCES


Zhong:2020:MLB


Ni:2020:MTD


Qian:2020:ECM


Hu:2020:DIA


Lu:2020:IMC


Yuan:2020:ADM


Xia:2020:RPA


REFERENCES


Sousa:2020:LAM


Lin:2020:SIB


Strehle:2020:DOR


Le:2020:ADS


Shakarami:2020:SCO

REFERENCES

Kocho:2020:SCS

Martins:2020:BSC

Wood:2020:RMD

Masdari:2020:GCC

Pierantoni:2020:DPT

Kosinska:2020:AMF

Loyola-Gonzalez:2020:RSC

Tavallali:2020:STP
[585] Pooya Tavallali, Mehran Yazdi, and Mohammad R. Khosravi. A system-

Ur-Rehman:2020:VMH


Farhang:2020:RMS


Hagras:2021:GDB


Wei:2021:HCR


Sulaiman:2021:ECB


Lin:2021:BTB


Bento:2021:AAD

[592] Andre Bento, Jaime Correia, and Jorge Cardoso. Automated analysis of distributed tracing: Challenges and research directions. Jour-
REFERENCES


REFERENCES


[635] Mohamed Hedi Fourati, Soumaya Marzouk, and Mohamed Jmaiel. EPMA: Elastic platform for microservices-based applications: Towards opti-
REFERENCES


Dubey:2022:SIA


Low:2022:RML


Kumar:2022:SAB


Ruggeri:2022:IBB


Wang:2022:SPT


Bidhendi:2022:ERM

Ehtesham Zahoor, Asim Ikram, and Olivier Perrin. A formal approach for the identification of authorization policy conflicts within multi-cloud envi-

Zahoor:2022:FAI
REFERENCES


Samaneh Esmaili and Kamran Kianfar. Grid scheduling considering energy consumption management and quality of