

Publications - Jean-Marc Pierson

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Underlined are PhD students. Les doctorants sont soulignés

International Journals - Journaux internationaux (38)

1. G. Rostirolla, L. Grange, T. Minh-Thuyen, P. Stolf, **JM. Pierson**, G. da Costa, G. Baudic, M. Haddad, A. Kassab, JM. Nicod, L. Philippe, V. Rehn-Sonigo, R. Roche, B. Celik, S. Caux, J. Lecuire. *A survey of challenges and solutions for the integration of renewable energy in datacenters*. Renewable and Sustainable Energy Reviews, Elsevier, pp.111787. SJR Q1.
2. M. Haddad, G. da Costa, JM. Nicod, MC Péra, **JM. Pierson**, V. Rehn-Sonigo, P. Stolf, C. Varnier. *Combined IT and Power Supply Infrastructure Sizing for Standalone Green Data Centers*. Sustainable Computing : Informatics and Systems, Elsevier, 2021, pp.100505. SJR Q1
3. T. Djemai, P. Stolf, T. Monteil, **JM. Pierson**. *Investigating Mobility-aware Strategies for IoT Services Placement in the Fog under Energy and QoS Constraints* Journal of Communications Software and Systems, Croatian Communications and Information Society, 2021, 17 (2), pp.73-86.
4. T. Minh-Thuyen, **JM. Pierson**, G. da Costa, P. Stolf, JM. Nicod, G. Rostirolla, M. Haddad. *Negotiation Game for Joint IT and Energy Management in Green Datacenters*. Future Generation Computer Systems, Elsevier, 2020, 110, pp.1116-1138. SJR Q1
5. G. Da Costa, **JM. Pierson**, L. Fontoura Cupertino. *Effectiveness of neural networks for power modeling for Cloud and HPC : It's worth it!* ACM TOMPECS (Transactions on Modeling and Performance Evaluation of Computer Systems), New York, Etats-Unis, 2020.
6. G. Da Costa, **JM. Pierson**, L. Fontoura Cupertino. *Fast maximum coverage of system behavior from a performance and power point of view*. Concurrency and Computation : Practice and Experience, Wiley, 2020. SJR Q2.
7. S. Ul Islam, H. Ali Khattak, **JM. Pierson**, I. Ud Din, A. Almogren, M. Guisani, M. Zuair. *Leveraging utilization as performance metric for CDN enabled energy efficient internet of things*. Measurement : Journal of the International Measurement Confederation (Measurement), Elsevier, Vol. 147, December 2019. SJR Q1/Q2.
8. **JM. Pierson**, G. Baudic, S. Caux, B. Celik, G. Da Costa, L. Grange, M. Haddad, J. Lecuire, JM. Nicod, M. Philippe, V. Rehn-Sonigo, R. Roche, G. Rostirolla, A. Sayah, P. Stolf, T. Minh-Thuyen, C. Varnier. *DATAZERO : DATAcenter with Zero Emission and ROBust management using renewable energy*. IEEE Access, Vol. 7, July 2019. SJR Q1.
9. **JM. Pierson**, P. Stolf, H. Sun, H. Casanova. *MILP formulations for spatio-temporal thermal-aware scheduling in Cloud and HPC datacenters*. Cluster Computing : The journal of Networks, Software Tools and Applications, Springer USA, p. 1-19, April 2019. SJR Q2
10. C. Guo, **JM. Pierson**, L. Hui, J. Song. *Frequency Selection Approach for Energy Aware Cloud Database*. IEEE Access, IEEE : Institute of Electrical and Electronics Engineers, Vol. 7 N. 1, p. 1927-1942, December 2018. SJR Q1
11. C. Guo, **JM. Pierson**, J. Song, C. Herzog. *Hot-N-Cold model for energy aware cloud databases*. Journal of Parallel and Distributed Computing, Elsevier, Vol. 09, October 2018. SJR Q1/Q2
12. J. Song, H. He, Z. Wang, G. Yu, **JM. Pierson**. *Modulo Based Data Placement Algorithm for Energy Consumption Optimization of MapReduce System*. Journal of Grid Computing, Springer-Verlag, Vol. 16 N. 3, p. 409-424, June 2018. SJR Q1

13. F. Almeida, M. D. Assuncao, J. Barbosa, V. Blanco, I. Brandic, G. Da Costa, M. F. Doltz, A. C. Ester, M. Jarus, H. D. Karatza, L. Lefèvre, I. Mavridis, A. Oleksiak, A-C. Orgerie, **JM. Pierson**. *Energy Monitoring as an Essential Building Block Towards Sustainable Ultrascale Systems*. Sustainable Computing : Informatics and Systems, Elsevier, November 2017. SJR Q2
14. G. Da Costa, **JM. Pierson**, L. Fontoura Cupertino. *Mastering system and power measures for servers in datacenter*. Sustainable Computing : Informatics and Systems, Elsevier, Vol. 15, p. 28-38, September 2017. SJR Q2
15. H. Sun, P. Stolf, **JM. Pierson**. *Spatio-temporal thermal-aware scheduling for homogeneous high-performance computing datacenters*. Future Generation Computer Systems, Elsevier, Vol. 71, p. 157-170, February 2017. SJR Q1
16. S. U. Islam, **JM. Pierson**, N. Javaid. *A Novel Utilization-aware Energy Consumption Model for Content Distribution Networks*. International Journal of Web and Grid Services, Inderscience Publishers, Special issue : Massive Data Processing and Cloud Storage, Vol. 13 N. 3, p. 290-314, June 2017. SJR Q2
17. J. Song, H. He, Z. Wang, G. Yu, **JM. Pierson**. *Modulo Based Data Placement Algorithm for Energy Consumption Optimization of MapReduce System*. Journal of Grid Computing, Springer-Verlag, Vol. 1, p. 1-16, June 2016. SJR Q1
18. D. Petcu, G. Iuhasz, D. Pop, D. Talia, J. Carretero, R. Prodan, T. Fahringer, I. Grasso, R. Doallo, M. Martin, B. Fraguera, R. Trobec, M. Depolli, A. Rodriguez, F. De Sande, G. Da Costa, **JM. Pierson**, S. Anastasiadis, A. Bartzokas, C. Lolis, P. Goncalves, F. Brito, N. Brown. *On Processing Extreme Data*. Scalable Computing : Practice and Experience, Vol. 16 N. 4, p. 467-489, December 2015. SJR Q3
19. V. Villebonnet, G. Da Costa, L. Lefèvre, **JM. Pierson**, P. Stolf. *Big, Medium, Little : Reaching Energy Proportionality with Heterogeneous Computing Scheduler*. Parallel Processing Letters, World Scientific, 2015. SJR Q3
20. L. Fontoura Cupertino, G. Da Costa, A. Oleksiak, W. PiaTek, **JM. Pierson**, J. Salom, L. Siso, P. Stolf, H. Sun, T. Zilio. *Energy-Efficient, Thermal-Aware Modeling and Simulation of Datacenters : The CoolEmAll Approach and Evaluation Results*. Ad Hoc Networks Journal, Elsevier, Vol. 25 N. B, p. 535-553, February 2015. SJR Q1
21. T. Mastelic, A. Oleksiak, H. Claussen, I. Brandic, **JM. Pierson**, A. V. Vasilakos. *Cloud Computing : Survey on Energy Efficiency*. ACM Computing Surveys, ACM, Vol. 47 N. 2, p. 1-36, December 2014. SJR Q1
22. J. Song, C. Guo, Z. Wang, Y. Zhang, G. Yu, **JM. Pierson**. *HaoLap : A Hadoop based OLAP System for Big Data*. Journal of Systems and Software, Elsevier, Vol. 4, September 2014. SJR Q1
23. H. Sun, P. Stolf, **JM. Pierson**, G. Da Costa. *Energy-efficient and thermal-aware resource management for heterogeneous datacenters*. Sustainable Computing : Informatics and Systems, Elsevier, p. 1-15, August 2014. SJR Q2
24. L. Fontoura Cupertino, G. Da Costa, **JM. Pierson**. *Towards a generic power estimator*. Computer Science - Research and Development, Springer Berlin / Heidelberg, Special issue : Ena-HPC 2014, July 2014. SJR Q2
25. G. L. Tsafack Chetsa, L. Lefèvre, **JM. Pierson**, P. Stolf, G. Da Costa. *Harnessing Performance Counters for Predicting and Improving Energy Performance of HPC Systems*. Future Generation Computer Systems, Elsevier, p. 1-18, August 2013. SJR Q1
26. L. Fontoura Cupertino, G. Da Costa, A. Sayah, **JM. Pierson**. *Valgreen : an Application's Energy Profiler*. International Journal of Soft Computing and Software Engineering, Advanced Academic Publisher, Special issue : SCSE'13 conference, Vol. 3 N. 3, March 2013.

27. M. Diouri, G. L. Tsafack Chetsa, O. Gluck, L. Lefèvre, **JM. Pierson**, P. Stolf, G. Da Costa. *Energy efficiency in HPC : with or without knowledge on applications and services ?* International Journal of High Performance Computing Applications, SAGE Publications, p. 232-243, August 2013. SJR Q2
28. D. Borgetto, H. Casanova, G. Da Costa, **JM. Pierson**. *Energy-aware service allocation*. Future Generation Computer Systems (FGCS), Volume 28, Issue 5, May 2012, Pages 769-779. SJR Q1
29. **JM. Pierson**. *Green Task Allocation : Taking into account the ecological impact of task allocation in clusters and clouds*. In : Journal of Green Engineering, River Publishers, Aalborg - Denmark, Vol. 1 N. 2, p. 129-144, January 2011. SJR Q4
30. M. El Samad, J. Gossa, F. Morvan, A. Hameurlain, **JM. Pierson**, L. Brunie. *Monitoring service for large scale dynamic query optimization in Grid environment*. In International Journal of Web and Grid Services, Inderscience Publishers, Volume 4, (2), pp226-246, May 2008. SJR Q2
31. Y. Cardenas, **JM. Pierson** and L. Brunie. *Management of a Cooperative Cache in Grids with Grid Cache Services*. Journal Concurrency and Computation : Practice and Experience. Wiley & Sons, pp 2141-2155, Volume 19 (16), Nov. 2007. SJR Q2
32. **JM. Pierson**, J. Gossa, P. Wehrle, Y. Cardenas, M. El-Samad, S. Cahon, L. Brunie, C. Dhaenens, A. Hameurlain, N. Melab, M. Miquel, F. Morvan, El Ghazali Talbi, A. Tchounikine. *GGM : Efficient Navigation and Mining in Distributed Geno-Medical Data*. IEEE Transactions on NanoBioscience, Volume 6 (2). pp 110-116. June 2007. ISSN : 1536-1241. SJR Q1
33. R. Saadi, **JM. Pierson**, L. Brunie. *(Dis)-Trust Certification Model for Large Access to Pervasive Environment*. International Journal of Pervasive Computing and Communications. pp 289-299, vol 1, num. 1, dec. 2005.
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35. L. Seitz, **JM. Pierson**, L. Brunie. *Encrypted Storage of Medical Data on a Grid*. Journal Methods of Information in Medicine, pp 198-202, Volume 44, No 2, 2005, (extended version of the paper presented at Healthgrid'2004). SJR Q2
36. J. Montagnat, F. Bellet, H. Benoit-Cattin, V. Breton, L. Brunie, H. Duque, Y. Legré, I.E. Magnin, L. Maigne, S. Miguét, J.-M. Pierson, L. Seitz, and T. Tweed. *Medical images simulation, storage, and processing on the European DataGrid testbed*. Journal of Grid Computing, vol 2., num. 4, pp 387-400, Kluwer, December 2004. SJR Q1
37. S. George, P. Prévot, Y. Amghar, **JM. Pierson**. *Complexité des situations pédagogiques e-learning dans un contexte multi-culturel, collaboratif et synchrone..* International Journal of Information Sciences and Decision Making (ISDM), vol. 18, France, 2004.
38. **JM. Pierson**, S. Miguét. *Quality and Complexity Bounds of Load Balancing Algorithms for Parallel Image Processing*, International Journal on Pattern Recognition and Artificial Intelligence (IJPRAI), pp 463-476, Volume 14, n4, 2000. SJR Q2

International events with steering committee and proceedings - Conférences et ateliers internationaux avec comité de lecture et actes (108)

1. L-C. Canon , D. Landré, L. Philippe, **JM. Pierson**, P. Renaud-Goud. *Assessing Power Needs to Run a Workload with Quality of Service on Green Datacenters*. 29th International European Conference on Parallel and Distributed Computing (EURO-PAR 2023), Aug 2023, Limassol, Cyprus. pp.229-242

2. M. Madon, G. da Costa, **JM. Pierson**. *Characterization of Different User Behaviors for Demand Response in Data Centers*. 28th International Conference on Parallel and Distributed Computing : Parallel Processing (Euro-Par 2022), Aug 2022, Glasgow, United Kingdom. pp.53-68
3. M. Séguéla, R. Mokadem, **JM. Pierson**. *Dynamic Energy and Expenditure Aware Data Replication Strategy*. 15th IEEE International Conference on Cloud Computing Technical Program (CLOUD 2022), IEEE, Jul 2022, Barcelona, Spain.
4. M. Séguéla, R. Mokadem, **JM. Pierson**. *Energy and Expenditure Aware Data Replication Strategy*. 14th IEEE International Conference on Cloud Computing (CLOUD 2021), Sep 2021, Chicago (virtual), United States. pp.421-426
5. D. Delande, P. Stolf, R. Feraud, **JM. Pierson**, A. Bottaro. *Horizontal Scaling in Cloud Using Contextual Bandits*. Euro-Par 2021 : Parallel Processing, Sep 2021, Lisbon, Portugal. pp.285-300.
6. T. Minh-Thuyen, **JM. Pierson**, G. da Costa. *Game-Based Negotiation between Power Demand and Supply in Green Datacenters*. 18th International Symposium on Parallel and Distributed Processing with Applications (ISPA 2020), Dec 2020, Exeter (virtual), United Kingdom.
7. M. Madon, **JM. Pierson**, *Integrating Pre-Cooling of Data Center operated with Renewable Energies*. IEEE International Conference on Green Computing and Communications (GreenCom 2020), Nov 2020, Rhodes Island, Greece.
8. T. Djemai, P. Stolf, T. Monteil, **JM. Pierson**. *Mobility Support for Energy and QoS aware IoT Services Placement in the Fog*. 28th International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2020), Croatian Communications and Information Society (CCIS); Technically co-sponsored by the IEEE Communications Society, Sep 2020, Hvar, Croatia. pp.1-7.
9. M. Séguéla, R. Mokadem, **JM. Pierson**. *Comparing energy-aware vs. cost-aware data replication strategy*. Tenth International Green and Sustainable Computing Conference (IGCS2019), Alexandria, USA, 21/10/2019-24/10/2019, IEEE, p. 1-8, Octobre 2019.
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11. P. Stolf, **JM. Pierson**, A. Sayah, G. Da Costa, P. Renaud-Goud. *e-Flooding : Crisis Management Through Two Temporal Loops*. Hawaii International Conference on Systems Science (HICSS 2019), Maui, Hawaii, 08/01/2019-11/01/2019, p. 2985-2994, January 2019.
12. C. Guo, **JM. Pierson**. *Frequency Selection Approach for Energy Aware Cloud Database*. International Symposium on Computer Architecture and High Performance Computing (SBAC-PAD 2018), Lyon, 24/09/2018-27/09/2018, IEEE Computer Society, September 2018.
13. C. Thiam, G. Da Costa, **JM. Pierson**. *A Decentralized Algorithm to Revisit the Debate of Centralization and Decentralization Approaches for Cloud Scheduling*. International Conference on Smart Grids and Green IT Systems (SMARTGREENS 2018), Funchal, Madeira, Portugal, 16/03/2018-18/03/2018, SciTePress, p. 165-172, March 2018.
14. C. Herzog, **JM. Pierson**. *A generic learning multi-agent-system approach for Spatio-Temporal-, Thermal- and Energy-Aware Scheduling*. Parallel, Distributed, and Network-Based Processing (PDP 2018), Cambridge, U.K., 21/03/18-23/03/18, CPS (Conference Publishing Services), March 2018.
15. E. SHEME, P. Stolf, G. Da Costa, **JM. Pierson**, N. Frasheri. *Efficient Energy Sources Scheduling in Green Powered Datacenters : A Cloudsim Implementation*. Workshop on Sustainable Ultrascale Computing Systems, Sofia (Bulgaria), 06/10/16-07/10/16, December 2016.
16. V. Villebonnet, G. Da Costa, L. Lefèvre, **JM. Pierson**, P. Stolf. *Energy Proportionality in Heterogeneous Data Center Supporting Applications with Variable Load*. IEEE International Conference on Parallel and Distributed Systems, Wuhan, China, 13/12/2016-16/12/2016, December 2016.

17. V. Villebonnet, G. Da Costa, Laurent Lefèvre, **JM. Pierson**, P. Stolf. *Energy Aware Dynamic Provisioning for Heterogeneous Data Centers*. International Symposium on Computer Architecture and High Performance Computing (SBAC-PAD 2016), Los Angeles, United States, 26/10/2016-28/10/2016, IEEE, October 2016.
18. V. Villebonnet, G. Da Costa, Laurent Lefèvre, **JM. Pierson**, P. Stolf. *Dynamically Building Energy Proportional Data Centers with Heterogeneous Computing Resources*. IEEE International Conference On Cluster Computing (CLUSTER 2016), Taipei, Taiwan, 13/09/2016-15/09/2016, IEEE, p. 217-220, September 2016.
19. C. Herzog, **JM. Pierson**, Laurent Lefèvre. *A Multi Agent System for Understanding the Impact of Technology Transfer Offices in Green-IT*. Principles and Practice of Multi-Agent Systems (PRIMA 2016), Phuket, 22/08/2016-24/08/2016, Springer-Verlag, LNAI 9862, p. 323-332, August 2016.
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21. S. Asfraw Demilew, D. Ejigu, G. Da Costa, **JM. Pierson**. *Range-free selective anchor node center of the smallest communication overlap polygon localization algorithm in wireless networks* . Dans : Africon, Addis Ababa, 14/09/2015-17/09/2015, IEEE, p. 1-5, September 2015.
22. E. Yitayal, **JM. Pierson**, D. Ejigu. *Towards green networking : Gossip based balanced battery usage routing protocol to minimize energy consumption of MANETs*. Africon, Addis Abeba, 14/09/2015-17/09/2015, IEEE, p. 1-6, September 2015.
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24. S. Asfraw Demilew, D. Ejigu, G. Da Costa, **JM. Pierson**. *Novel reliable range-free geo-localization algorithm in wireless networks : Centre of the smallest communication overlap polygon (CSCOP)*. IEEE International Black Sea Conference on Communications and Networking (BlackSeaCom 2015), Constanta, 18/05/2015-21/05/2015, IEEE, p. 181-185, May 2015.
25. G. Da Costa, **JM. Pierson**. *DVFS governor for HPC : Higher, Faster, Greener*. Euromicro International Conference on Parallel, Distributed and network-based Processing, Turku, Finland, 04/03/2015-06/03/2015, IEEE, p. 533-540, March 2015.
26. G. L. Tsafack Chetsa, L. Lefèvre, **JM. Pierson**, P. Stolf, G. Da Costa. *Application-Agnostic Framework for Improving the Energy Efficiency of Multiple HPC Subsystems*. Parallel, Distributed, and Network-Based Processing (PDP 2015), Turku, Finland, 04/03/2015-06/03/2015, IEEE, p. 62-69, March 2015.
27. E. Yitayal, **JM. Pierson**, D. Ejigu. *A Balanced Battery Usage Routing Protocol to Maximize Network Lifetime of MANET Based on AODV*. International Conference on Internet of Things and Smart Spaces, co-located with Next Generation Wired/Wireless Advanced Networks and Systems (NEW2AN/ruSMART 2014 2014), St. Petersburg, Russia, 27/08/2014-29/08/2014, Sergey Balandin, Sergey D. Andreev, Yevgeni Koucheryavy (Eds.), Springer-Verlag, LNCS 8638, p. 266-279, August 2014.
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29. H. Sun, P. Stolf, **JM. Pierson**, G. Da Costa. *Multi-Objective Scheduling for Heterogeneous Server Systems with Machine Placement*. IEEE International Symposium on Cluster Computing and the Grid (CCGrid 2014), Chicago, 26/05/2014-29/05/2014, IEEE Computer Society, May 2014.
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31. C. Thiam, G. Da Costa, **JM. Pierson**. *Cooperative Scheduling Anti-load balancing Algorithm for Cloud : CSAAC*. IEEE International Conference on Cloud Computing Technology and Science, Bristol, UK, 02/12/2013-05/12/2013, IEEE, p. 433-438, February 2014.
32. C. Herzog, **JM. Pierson**, L. Lefèvre. *Towards Modelling the research in Green IT with Agents*. International Conference on Environmental Informatics for Environmental Protection, Sustainable Development and Risk Management (EnviroInfo 2013), Hamburg, Germany, 02/09/2013-04/09/2013, Bernd Page, Andreas G. Fleischer, Johannes Gobel, Volker Wohlgemuth (Eds.), Shaker Verlag, Berichte aus der Umweltinformatik, p. 335-341, September 2013.
33. L. Fontoura Cupertino, G. Da Costa, A. Sayah, **JM. Pierson**. *Energy Consumption Library*. Energy Efficiency in Large Scale Distributed Systems (EE-LSDS 2013), Vienna, Austria, 22/04/2013-24/04/2013, Springer Berlin / Heidelberg, Lecture Notes in Computer Science, p. 51-57, April 2013.
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35. C. Herzog, **JM. Pierson**, L. Lefèvre. *Link Between Academia and Industry for Green IT*. ICT for Sustainability (ICT4S 2013), Zurich, Switzerland, 14/02/2013-16/02/2013, ETH Swiss Federal Institute of Technology, p. 259-264, February 2013.
36. G. Landry Tsafack Chetsa, L. Lefèvre, **JM. Pierson**, P. Stolf, G. Da Costa. *A Runtime Framework for Energy Efficient HPC Systems Without a Priori Knowledge of Applications*. IEEE International Conference on Parallel and Distributed Systems -ICPADS, Singapore, 17/12/2012-19/12/2012, IEEE Computer Society - Conference Publishing Services, Dec. 2012.
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38. M. Vor Dem Berge, W. Christmann, E. Volk, S. Wesner, A. Oleksiak, T. Piontek, G. Da Costa, **JM. Pierson**. *CoolEmAll - Models and Tools for Optimization of Data Center Energy-efficiency*. IFIP Conference on SustainIT (Sustainable Internet and ICT for Sustainability), Pisa, 04/10/2012-05/10/2012, IFIP, 978-3-901882-46-3, October 2012.
39. C. Herzog, L. Lefèvre, **JM. Pierson**. *Green IT for Innovation and Innovation for Green IT : The Virtuous Circle*. ICT Critical Infrastructures and Society, 10th IFIP TC9 International Conference on Human Choice and Computers (HCC 2012), Amsterdam, 27/09/2012-28/09/2012, M. D. Hercheui, D. Whitehouse, W. McIver Jr., J. Phahlamohlaka (Eds.), Springer, IFIP AICT 386, p. 79-89, September 2012.
40. S. Ul Islam, **JM. Pierson**. *Evaluating Energy Consumption in CDN Servers*. International Conference on ICT as Key Technology for the Fight against Global Warming (ICT-GLOW 2012), Vienna (Austria), 03/09/2012-07/09/2012, N. Tahamtan, A. Auweter (Eds.), Springer LNCS 7453, pp 64-78. September 2012.

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42. G. Landry Tsafack Chetsa, L. Lefèvre, **JM. Pierson**, P. Stolf, G. Da Costa. *DNA-inspired Scheme for Building the Energy Profile of HPC Systems*. International Workshop on Energy-Efficient Data Centres, co-located with E-Energy (E2DC 2012), Madrid, 08/05/2012, Vol. 7396, p 141-152, Springer, May 2012.
43. M. Vor Dem Berge, G. Da Costa, A. Kopecki, A. Oleksiak, **JM. Pierson**, T. Piontek, E. Volk, S. Wesner. *Modeling and Simulation of Data Center Energy-Efficiency in CoolEmAll*. International Workshop on Energy-Efficient Data Centres, co-located with E-Energy (E2DC 2012), Madrid, 08/05/2012, Vol. 7396, Springer, p. 25-36, May 2012.
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46. G. Da Costa, **JM. Pierson**. *Characterizing applications from power consumption : A case study for HPC benchmarks*. In. International Conference on ICT as Key Technology for the Fight against Global Warming (ICT-GLOW 2011), Toulouse, 29/08/11-02/09/11, Springer, September 2011.
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49. D. Borgetto, P. Stolf, G. Da Costa, **JM. Pierson**. *Energy Aware Autonomic Manager* (poster). Dans : ACM/IEEE International Conference on Energy-Efficient Computing and Networking (e-Energy 2010), Passau, Germany, 13/04/10-15/04/10, ACM, April 2010.
50. G. Da Costa, M. Dias De Assuncao, J-P. Gelas, Y. Georgiou, L. Lefèvre, A-C. Orgerie, **JM. Pierson**, O. Richard, A. Sayah. *Multi-Facet Approach to Reduce Energy Consumption in Clouds and Grids : The GREEN-NET Framework*. ACM/IEEE International Conference on Energy-Efficient Computing and Networking (e-Energy 2010), Passau, Germany, 13/04/2010-15/04/2010, ACM, p. 95-104, April 2010.
51. **JM. Pierson**. *Allocating resources greenly : Reducing energy consumption or reducing ecological impact ?*. ACM/IEEE International Conference on Energy-Efficient Computing and Networking (e-Energy 2010), Passau, Germany, 13/04/2010-15/04/2010, ACM, p. 127-130, April 2010.
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2. F Krief, **JM. Pierson**, P. Roose. *NOTERE/CFIP 2012*, Anglet, France, 29/10/2012 - 31/10/2012, Cépaduès, October 2012. ISBN : 9782364930452
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4. M. Conti, G. Anastasi, **JM. Pierson**, M. Ortolani. *International Workshop on Sustainable Internet and Internet for Sustainability (SustaInet 2011)*, 12th IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks, WOWMOM 2011, Lucca, Italia, 20/06/11 - 24/06/11, IEEE, June 2011.
5. E. Dubois, **JM. Pierson**, *Actes des 7ème journées francophones Mobilité et Ubiquité 2011*, UBI-MOB'11, 6-8 June 2011, Toulouse, France., ISBN : 978-2-917490-16-7.
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7. E. Dubois, **JM. Pierson**, *Actes des 4èmes journées francophones Mobilité et Ubiquité 2008*, UBI-MOB'08, 28-30 May 2008, Institut Universitaire de Technologie Saint Malo, France. ACM International Conference Proceeding Series, Volume 277, ISBN : 978-1-59593-980-7.
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14. M. Parashar, **JM. Pierson**. *Pervasive Grids : Challenges and Opportunities*. in Handbook of Research on Scalable Computing Technologies, Chapter II, IGI Global.2010. ISBN 978-160566661-7
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Posters (1)

1. C. Herzog, **JM. Pierson**, L. Lefèvre. *LINKING ACADEMIA AND INDUSTRY FOR A GREEN (IT) SOCIETY* (poster). ICT for Sustainability (ICT4S 2013), Zurich, Switzerland, 14/02/2013-16/02/2013, ETH Swiss Federal Institute of Technology, February 2013 (Best Poster Award).

French speaking event with steering committee - Conférences francophones avec comité de lecture (12)

1. L-C. Canon , D. Landré, L. Philippe, **JM. Pierson**, P. Renaud-Goud. *Évaluation de la consommation d'énergie nécessaire à l'exécution d'un workload dans un datacenter vert*. Conférence d'informatique en Parallélisme, Architecture et Système (COMPAS 2023), Laboratoire d'Informatique, Systèmes, Traitement de l'Information et de la Connaissance (LISTIC) - Université Savoie Mont Blanc, Jul 2023, Annecy, France
2. M. Seguela, R. Mokadem, **JM. Pierson**. *Étude des Stratégies de réplication de données prenant en compte la consommation énergétique vs. le profit économique dans les systèmes Cloud*. Conférence d'informatique en Parallélisme, Architecture et Système (ComPAS 2019), Anglet, 25/06/2019-28/06/2019, June 2019
3. C. Herzog, **JM. Pierson**, L. Lefèvre. *Modélisation du transfert technologique par système multi-agent : illustration à l'informatique verte*. Journées Francophones sur les Systèmes Multi-Agents (JF-SMA 2016), Saint Martin du Vivier (Rouen), 05/10/2016-07/10/2016, Cépadués, p. 223-232, October 2016.
4. V. Villebonnet, G. Da Costa, L. Lefèvre, **JM. Pierson**, P. Stolf. *Généralisation du concept "big. LITTLE" pour aller vers des infrastructures cloud énergétiquement proportionnelles*. Conférence d'informatique en Parallélisme, Architecture et Système (ComPAS 2015), Lille, 30/06/2015-03/07/2015, CNRS, July 2015.
5. D. Borgetto, G. Da Costa, **JM. Pierson**, A. Sayah. *Réduction de la consommation énergétique dans les centres de serveurs*. In Rencontres francophones du Parallélisme (Renpar), Toulouse, 09/09/2009-11/09/2009, IRIT, September 2009.
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8. R. Saadi, **JM. Pierson**, L. Brunie. *Authentication by distrust in pervasive environment*, UbiMob05, 2nd "Mobility and Ubiquity" conference, 2005, ACM Digital Library Publications, May 31 - June 3, 2005, Grenoble, France
9. Y. Cardenas, **JM. Pierson**, L. Brunie. *Cache Services in Grids* Workshop on Parallel and Distributed Knowledge discovery, (in conjunction with EGC'05), January 2005, Lille, France.
10. S. G., Y. Amghar, **JM. Pierson**, P. Prévot. **Complexity of e-learning pedagogical situations in a multi-cultural, collaborative and synchronous context**. TICE Mediterranean. Nice, France, 26-27 November 2004
11. J. Gossa, **JM. Pierson**, L. Brunie. *Dynamic placement of Replicas in pervasive environment*, 1st "Mobility and Ubiquity" conference, (UbiMob'04), Nice, June 1-3, 2004, ACM Digital Library publications.
12. **JM. Pierson**. *Particle : A dynamic parallel system of particles*. RenPar'6, pp 161-164, ENS-Lyon, June 1994.

Invited keynotes - Conférences invitées (5)

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