

Jean-Marc PIERSON

Date of birth : July, 28, 1970, Place of birth : Lyon, France

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A full version of my CV and my publication list are available on my webpage : <http://www.irit.fr/Jean-Marc.Pierson>

Experiences

- 2006-... Full Professor at the Computer Science Department, University Toulouse 3 Paul Sabatier.
- 2004-2006 Two-years contract as full researcher at CNRS (French National Center for Research).
- 2001-2004 Associate Professor at School of Engineering INSA in Lyon.
- 1997-2001 Associate Professor at University Littoral-Côte d'Opale.
- 1996-1997 PostDoc at University Louis Pasteur, Strasbourg.
- 1993-1996 PhD in Computer Science, ENS-Lyon.

University Achievements

- 17 November 2005 : **Accreditation to supervise research** : *A Pervasive Grid, seen from the data side*. INSA Lyon and University Claude Bernard-Lyon 1.
- 93-96 : **PhD in Computer Science** : *Data driven load balancing : application to image synthesis*, defended October 3rd, 1996, with honors, supervised by Prof. S. Miguet. PhD from Ecole Normale Supérieure de Lyon, LIP laboratory.
- 1993 : **Master in Computer Science**, ENS-Lyon and University Claude Bernard-Lyon 1, with honors

Academic background (since 2006)

Current position

Vice-President in charge of IT at University Toulouse 3 Paul Sabatier

Chair of the SEPIA team at IRIT (Institute for Research in Informatics at Toulouse)

Teaching (about 200 hours per year)

Algorithmic, Object Oriented Programming, Operating Systems, Distributed Systems, Computer Networks, Cloud and Grid Computing, Security

Research interests

Energy-aware distributed computing, Distributed and High Performance computing (Grid, HPC, Cloud), Virtualization, Security, Trust, Pervasive Grids, Data Grids, Pervasive Systems, SmartGrids

Students Supervising

2 PhD students (+11 already defended)

Conference organization, Program Chair

ITC Specialist Seminar on Energy Efficient and Green Networking 2013

Workshop on Energy Efficiency in Grids, Clouds and Clusters (E2GC2) at Grid'2009 and Grid'2010

First Symposium on Pervasive Grids, PerGrid 2008

VLDB Workshop : Data Management in Grids 2005-2007

IEEE ICPS'06 : International Conference on Pervasive Services 2006

French conferences : NOTERE 2012, RenPar'2009, Toulouse'2009, Ubimob 2008 and 2011

Steering Committees

Int. Conf. on Pervasive Services (IEEE ICPS 2007-2010)

RenPar, ComPas (2009-2015)

Program Committees

More than 30 Program Committees (CCGrid, CLOSER, Grid, e-Energy, GreenCom, ena-HPC, Globe, ...)

Editorial Board

Springer Scalable Computing Journal (since 2013)

Sustainable Computing : Informatics and Systems, Elsevier (since 2010)

Cluster Computing Journal, Elsevier (since 2006)

Projects coordination

European COST Action IC0804 "Energy Efficiency in Large Scale Distributed Systems" (2009-2013)

National French Research funding : ANR DATAZERO (2015-2019), ACI Geno Medical Grid (2004-2007)

University funded project : IAPA (Infrastructure to Access, Process and Analyse biomedical data (2007-2009)

Projects participation

European Projects : 4 past European projects (COOLEMALL, PIREGRID, eTutor, GENIUS), 1 running : European COST Action IC1305 NESUS "Network of researchers in Sustainable Computing" (2014-2018)

French Research funding : 6 past national projects

INRIA Research Projects : 2 past funded projects

CNRS Research Projects : 1 running : France Grilles / CloudMIP (2012-...)

Other International collaborations

Computer science graduate school in Ethiopia and PhD program (2005-...)

On going cooperations (joint publications) with North-Eastern Univ. Shenyang, China (Prof. Yu Ge, Ass. Prof Jie Song) and Univ. of Hawaiï at Manoa, USA (Prof. Henri Casanova)

Cooperation with Univ. Ca'Foscari, Venice, Italy (bilateral visits, courses in 2012) on GreenIT

Bilateral projects with Austria (Univ. Vienna, 2006-2007 and 2009-2010, Prof. Helmut Hlavacs)

Collective responsibilities

Chair of the Computer Science Master, University Toulouse 3 Paul Sabatier (2010-2012)

Languages

- French : fluent, mother language
- English : fluent
- Italian : advanced
- German : beginner
- Spanish : beginner

Leisure activities

- Sports : running, cycling, sky, football.
- Art : painting

Publications of Jean-Marc Pierson (last 6 years)

Version : 2009 - septembre, 2015

International Journals (11)

1. 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.
2. 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.
3. 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.
4. 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.
5. 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, Vol. 10.1016/j.suscom.2014.08.005, p. 1-15, August 2014.
6. 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.
7. 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, Vol. 10.1016/j.future.2013.07.010, p. 1-18, August 2013.
8. 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.
9. 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, Vol. doi :10.1177/1094342013497990, p. 232-243, August 2013.
10. 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.

11. 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.

Edition of Proceedings (6)

1. JM. Pierson, G. Da Costa, L. Dittmann. **Energy Efficiency in Large Scale Distributed Systems, COST IC0804 European Conference, EE-LSDS 2013, Revised Selected Papers.**, Vienna, Austria, 22/04/2013 - 24/04/2013, Springer, LNCS 8046, November 2013.
2. F Krief, JM. Pierson, P. Roose. **NOTERE/CFIP 2012**, Anglet, France, 29/10/2012 - 31/10/2012, Cépaduès, October 2012. ISBN : 9782364930452
3. JM. Pierson, H. Hlavacs. **Proceedings of the COST Action IC0804 on Energy Efficiency in Large Scale Distributed Systems - 2nd Year**. July 2011. Published by IRIT. ISBN :978-2-917490-18-1. 136 pages.
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**, UBIMOB'11, 6-8 June 2011, Toulouse, France., ISBN : 978-2-917490-16-7.
6. JM. Pierson, H. Hlavacs. **Proceedings of the COST Action IC0804 on Energy Efficiency in Large Scale Distributed Systems - 1st Year**. July 2010. Published by IRIT. ISBN : 978-2-917490-10-5. 100 pages.

Edition of Journals (3)

1. JM. Pierson, L. Dittmann, G. Da Costa. **Special issue on selected papers from Energy Efficiency in Large-Scale Distributed Systems 2013 conference**. Concurrency and Computation : Practice and Experience, Wiley, Vol. 26 N. 15, October 2014.
2. JM. Pierson, G. Da Costa, L. Dittmann. **Introduction to special issue on Selected papers from EE-LSDS2013 Conference**. Sustainable Computing : Informatics and Systems, Elsevier, Vol. 4 N. 2, June 2014.
3. L. Lefèvre, JM. Pierson. **Energy Savings in ICT and ICT for Energy Savings**. Introduction to the special theme "Towards Green ICT" of the ERCIM News 79, October 2009

Book edition (1)

1. JM. Pierson. **Large-Scale Distributed Systems and Energy Efficiency : A holistic view**. John Wiley and Sons, May 2015.

Book chapters (14)

1. M. Vor Dem Berge, J. Buchholz, L. Fontoura Cupertino, G. Da Costa, A. Donoghue, G. Georgina, M. Jarus, L. Lorez, A. Oleksiak, E. Pages, W. Piatek, JM. Pierson, T. Piontek, D. Rathgeb, J. Salom, L. Siso, E. Volk, U. Wossner, T. Zilio. **CoolEmAll : Models and Tools for Planning and Operating Energy Efficient Data Centres**. Handbook on Data Centers. Samee U. Khan, Albert Y. Zomaya (Eds.), Springer, p. 191-245, March 2015.
2. C. Herzog, L. Lefèvre, JM. Pierson. **Actors for Innovation in Green IT**. ICT Innovations for Sustainability. Lorenz Hilty, Bernard Aebischer (Eds.), Springer, 3, p. 49-67, Vol. 310, Advances in Intelligent Systems and Computing, January 2015.
3. J. Mair, Z. Huang, D. Eysers, L. Fontoura Cupertino, G. Da Costa, JM. Pierson, H. Hlavacs. **Power Modeling**. Large-Scale Distributed Systems and Energy Efficiency : A holistic view. John Wiley and Sons, Chapter 5, May 2015.
4. R. Basmadjian, P. Bouvry, G. Da Costa, L. Gyarmati, D. Kliazovich, S. Lafond, L. Lefèvre, H. De Meer, JM. Pierson, R. Pries, J. Torres, T. Anh Trin, S. Ullah Khan. **Green Data Centers**. Large-Scale Distributed Systems and Energy Efficiency : A holistic view. John Wiley and Sons, Chapter 6, May 2015.
5. L. Lefèvre, S. Varrette, F. Pinel, P. Bouvry, G. L. Tsafack Chetsa, G. Da Costa, P. Stolf, JM. Pierson, E. Jeannot. **Energy Efficiency and High Performance Computing**. Large-Scale Distributed Systems and Energy Efficiency : A holistic view, John Wiley and Sons, Chapter 7, May 2015.
6. P. Agrawal, D. Borgetto, C. Comito, G. Da Costa, JM. Pierson, P. Prakash, S. Rao, D. Talia, C. Thiam, P. Trufio. **Scheduling and Resource Allocation**. Large-Scale Distributed Systems and Energy Efficiency : A holistic view. John Wiley and Sons, Chapter 8, May 2015.
7. C. Herzog, JM. Pierson, L. Lefèvre. **Towards sustainability for large scale computing systems : Environmental, Economic and Standardization aspects**. Large-Scale Distributed Systems and Energy Efficiency : A holistic view. John Wiley and Sons, Chapter 10, May 2015.
8. R. Basmadjian, G. Da Costa, G. Landry Tsafack Chetsa, L. Lefèvre, A. Oleksiak, JM. Pierson. **Energy-Aware Approaches for HPC Systems**. High-Performance Computing on Complex Environments. Emmanuel Jeannot, Julius Zilinskas (Eds.), Wiley, 18, p. 343-361, June 2014.
9. L. Lefèvre, JM. Pierson. **Environmental Impact of Networking Infrastructures**. Green Networking. Krief Francine (Eds.), Wiley, 1, p. 1-16, January 2013.
10. D. Borgetto, H. Casanova, G. Da Costa, JM. Pierson. **Energy-Efficient Job Placement in Clusters, Grids and Clouds**. In : Energy-Efficient Distributed Computing Systems. A. Y. Zomaya, Y. Choon Lee (Eds.), John Wiley and Sons, p. 163-187, 2012.

11. G. Da Costa, H. Hlavacs, K.A. Hummel, JM. Pierson. **Modeling the energy consumption of distributed applications**. In Chapter 29. Booktitle : Handbook of Energy-Aware and Green Computing, I. Ahmad, S. Ranka (Eds.), Chapman & Hall, CRC Press, Jan 2012, ISBN : 978-1-46650-116-4
12. R. Saadi, JM. Pierson, L. Brunie. **Security in distributed Collaborative environments : limitations and solutions**. In Chapter 16, Booktitle : Emergent Web Intelligence : Advanced Information Retrieval, Springer, April 2010, pp 415-454. ISBN : 978-1-84996-073-1.
13. 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
14. JM. Pierson. **Data Management in Grids**. in Chapter 4, Booktitle : Fundamentals of Grid Computing. Theory, Algorithms and Technologies. F. Magoules (Eds.), Chapman & Hall, CRC Press, pp. 20-40, Dec. 2009. ISBN : 978-1-43980367-7

International events with steering committee and proceedings (34)

1. G. Da Costa, JM. Pierson. **DVFS governor for HPC : Higher, Faster, Greener**. Euro-micro International Conference on Parallel, Distributed and network-based Processing, Turku, Finland, 04/03/2015-06/03/2015, IEEE, p. 533-540, March 2015.
2. 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.
3. 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.
4. V. Villebonnet, G. Da Costa, L. Lefèvre, JM. Pierson, P. Stolf. **Towards Generalizing "Big.Little" for Energy Proportional HPC and Cloud Infrastructures**. IEEE International Conference on Sustainable Computing and Communications (SustainCom), Sydney, Australia, CPS (Conference Publishing Services), December 2014.
5. 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

6. C. Thiam, G. Da Costa, JM. Pierson. **Energy aware clouds scheduling using anti-load balancing algorithm : EACAB**. International Conference on Smart Grids and Green IT Systems (SMARTGREENS 2014), Barcelona, SPAIN, 03/04/2014-04/04/2014, INSTICC - Institute for Systems and Technologies of Information, Control and Communication, April 2014.
7. 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.
8. 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.
9. 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.
10. G. Landry Tsafack Chetsa, L. Lefèvre, JM. Pierson, P. Stolf, G. Da Costa. **A User Friendly Phase Detection Methodology for HPC Systems' Analysis**. IEEE International Conference on Green Computing and Communications, Beijing (Chine), 20/08/2013-23/08/2013, IEEE Computer Society, p. 118-125, August 2013.
11. 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.
12. 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.
13. G. Landry Tsafack Chetsa, L. Lefèvre, JM. Pierson, P. Stolf, G. Da Costa. **Beyond CPU Frequency Scaling for a Fine-grained Energy Control of HPC Systems**. International Symposium on Computer Architecture and High Performance Computing (SBAC-PAD 2012), New York, 24/10/2012-26/10/2012, IEEE Computer Society - Conference Publishing Services, pp. 132-138, Oct. 2012
14. 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.

15. 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.
16. 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.
17. D. Borgetto, M. Maurer, G. Da Costa, I. Brandic, JM. Pierson. **Energy-efficient and SLA-Aware Management of IaaS Clouds**. ACM/IEEE International Conference on Energy-Efficient Computing and Networking (e-Energy 2012), Madrid, 09/05/2012-11/05/2012, ACM DL, Article 25, 10 pages, May 2012.
18. 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.
19. 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.
20. JM. Pierson, H. Casanova. **On the Utility of DVFS for Power-Aware Job Placement in Clusters**. Dans : Euro-Par, Bordeaux, 31/08/11-02/09/11, Emmanuel Jeannot, Raymond Namyst, Jean Roman (Eds.), Springer-Verlag, LNCS 6852, p. 255-266, Sept. 2011.
21. S. Ul Islam, K. Stamos, JM. Pierson, A. Vakali. **Utilization-Aware Redirection Policy in CDN : A Case for Energy Conservation**. 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, p. 180-187, Aug. 2011.
22. 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.
23. R. Saadi, JM. Pierson, L. Brunie. **T2D : a peer to peer trust management system based on disposition to trust**. In. : ACM Symposium on Applied Computing (SAC 2010), Sierre, Switzerland, 22/03/10-26/03/10, ACM, p. 1472-1478, March 2011.
24. JM Pierson. **Energy : A new criteria for performances in large scale distributed systems**. In. Performance Evaluation of Computer and Communication Systems : Milestones

- and Future Challenges (PERFORM 2010), Vienna, Austria, 14/10/10-16/10/10, Springer-Verlag, LNCS 6821, October 2010.
25. 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.
 26. 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.
 27. 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.
 28. A. Gadafi, D. Hagimont, L. Broto, JM. Pierson. **Autonomic Energy Management of Clustered Applications**. In Energy Efficient Grids, Clouds and Clusters Workshop (co-located with Grid 2009) (E2GC2 2009), Banff, Canada, 13/10/2009-15/10/2009, IEEE, October 2009.
 29. D. Borgetto, G. Da Costa, JM. Pierson, A. Sayah. **Energy-Aware Resource Allocation**. In Energy Efficient Grids, Clouds and Clusters Workshop (co-located with Grid 2009) (E2GC2 2009), Banff, 13/10/2009-15/10/2009, IEEE, October 2009.
 30. H. Hlavacs, G. Da Costa, JM. Pierson. **Energy Consumption of Residential and Professional Switches**. In IEEE International Conference on Computational Science and Engineering 2009 (CSE 2009), Vancouver, Canada, 29/08/2009-31/08/2009, IEEE Computer Society, Aug. 2009.
 31. G. Da Costa, JP. Gelas, Y. Georgiou, K. Sharma, JM. Pierson. **The green-net framework : Energy efficiency in large scale distributed systems**. In : High Performance Power Aware Computing Workshop in conjunction with IPDPS 2009 (HPPAC 2009), Roma, 25/05/2009-29/05/2009, IEEE Computer Society, May 2009
 32. O. Hasan, JM. Pierson, L. Brunie. **Evaluation of the Iterative Multiplication Strategy for Trust Propagation in Pervasive Environments**. ACM ICPS 2009, International Conference on Pervasive Services, London, U.K., 13th-17th July 2009.
 33. O. Hasan, JM. Pierson, L. Brunie, E. Bertino. **Elimination of Subjectivity from Trust Recommendation**. 3rd IFIP Intl. Conference on Trust Management, IFIPTM'2009, Purdue, USA, 15-19 June 2009. Springer IFIP Series.
 34. G. Da-Costa, JP. Gelas, Y. Georgiou, K. Sharma, L. Lefèvre, AC. Orgerie, JM. Pierson, and O. Richard. **The green-net framework : Energy efficiency in large scale distributed systems**. In HPPAC 2009 : High Performance Power Aware Computing Workshop in conjunction with IPDPS 2009, Rome, Italy, 25 May 2009, IEEE CS Press.

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).

Thesis

1. JM Pierson. Habilitation à Diriger des Recherches : **Une Grille Pervasive, vue du côté des données**. 17 nov. 2005.
2. JM Pierson. PhD Thesis : **Équilibrage de charge dirigé par les données : applications à la synthèse d'images**. LIP-Ecole Normale Supérieure de Lyon, 46 allée d'Italie, France, 3 oct. 1996.