

Camille Coti

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Past and present positions

- Since 2010** **Assistant professor in computer science** at *Université Paris 13*. IUT de Villetaneuse (college of technology), Network and Telecommunications department.
- 12/12 - 04/13** **R&D Consultant** in the start-up company *KoDe*, working on the development of a high-performance DBMS, in addition to my position, during 5 months, part-time at 60%.
- 11/09 - 08/10** **Post-doctoral research associate** at *Iowa State University* (USA), department of mathematics, High Performance Computing group (10 months).
- 10/06 - 11/09** **Graduate research assistant** at *INRIA Saclay-Île de France*, Grand Large project (INRIA and LRI, Orsay).
Visiting graduate research assistant at the *University of Tennessee, Knoxville*, Innovative Computing Laboratory. Three visits, 6, 6 and 10 months.
- 04/06 - 09/06** **Master thesis** at *INRIA Saclay-Île de France*, Grand Large project (5,5 months).
- 07/05 - 08/05** **Internship** at *King's College, London*, department of mathematics (2 months).

Education

- 2006-09** **PhD in computer science**, *Université Paris Sud-XI*. Thesis defended on November 10th, 2009. Honors: magna cum laude (très honorable). Advisor: Franck Cappello. Topic: runtime environment for parallel applications communicating by message-passing for large-scale systems and computation grids.
- 2003-06** **MSc** in telecommunication engineering, majoring in distributed computing, at *Télécom INT*. *Université Paris Sud-XI* delivered me a certificate of equivalence of a **research MSc**, required to enrol in a PhD program.

Awards

- Best paper award, conference WCO 2017 with F. Butelle, E. Leclercq et F. Roupin, for our paper “Solving 0-1 Quadratic Problems with Two-Level Parallelization of the BiqCrunch Solver”.
- Best paper award, conference DCABES 2016, for my paper “Scalable, Robust, Fault-Tolerant Parallel QR Factorization”.
- I received an award for my Master’s thesis from the Louis Leprince-Ringuet Foundation, (now called “Fondation Télécom”) gathering major IT, telecommunications and high technology companies in France, that supports and awards excellent, innovative work in the top French telecommunication schools. Three thesis received this award among approximately 1 200 thesis.

Funding and grants

- 2017: PaToP, project funded by Université Paris 13 (BQR project, local call), 7.2k€.
- 2016: APERo: project funded by CNRS (PEPS project, national call), 8.5k€.
- 2015: PSyCoS: project funded by CNRS (PEPS project, national call), 9k€.

Service

Academic responsibilities

- Member of the national committee that hires mathematics teachers for secondary schools since 2018. I grade written mathematics exams and I am part of oral boards in mathematics and computer science.
- Director of studies in the undergraduate program in telecommunication and networks (second year) since 2017: I am in charge with the implementation of the program and graduation requirements, preparing the schedules and advising students.
- Responsible for the internship program in the undergraduate program in telecommunication and networks since 2016.

Service to my research community

- Member of the program committee of the following conferences and workshops: CCGRID 2009, ScalCom 2011, APDCM workshop 2012 and 2013, NPC 2013, GIM2P 2015, Alchemy workshop (ICCS) 2015, 2016 and 2017, EuroMPI 2016, CCGRID 2017, EMPIRe workshop 2017.
- Since 2008, I have been a reviewer on regular basis for major journals on HPC: TPDS, FGCS, Cluster Computing, CC-PE and IJPP.
- Member of the steering committee of the computation center of Université Sorbonne-Paris-Cité, since its creation in 2012.
- Member of the users' committee of IDRIS, the major HPC center of CNRS, since 2012.
- Member of the administration committee of IDRIS since 2018.
- ANR: expertise of one project submission in 2011.

Institutional service

- Member of hiring committees for assistant professors at Université Paris Sud-XI (2014, 2015, 2018), Paris 13 (2015), Haute Alsace, Lorraine and Paris 6 (2017).
- Participation in three PhD committees (Université Toulouse III, 2015 ; ENS Lyon, 2017 ; Université Paris Sud-XI, 2017).
- Member of the status board of IUT de Villetaneuse since 2015.
- Member of the department board: 2010 to 2012, 2013 to 2015 and since 2016.
- Member of the expert panel for computer science at Université Paris 13 since 2017.
- In charge with organizing the premises of the lab and users' accounts and repositories since 2014.

Supervision

- 2 PhD students, since May 2015 and September 2018.
- 8 interns and MSc thesis supervised since 2010.
- 1 junior engineer, from December 2016 to the end of 2017.

Teaching

Since 2010, I have been teaching at the IUT de Villetaneuse (College of Technology), where I am appointed at the Telecommunication and Networks departement. I teach in the DUT (2 years) and Licence Professionnelle (third year). I also teach additionally in other programs and structures, in particular in the graduate programs of the Institut Galilée (the college of science of Université Paris 13). In 2016, I was granted a semester off by my University to focus on my research. I teach classes on the following topics: introduction to programming, architecture, systems and networks, distributed systems.

Since 2017 I have been the “director of studies” for the second year of the undergraduate program in telecommunication and networks. I am in charge with the implementation of the program: assigning classes to instructors, recruiting adjunct instructors, supervising the progress of the students, designing the schedules and making sure the graduation requirements are met. I have also been in charge with the internship program since 2016.

I also take part of the working groups about the National Teaching Program of the DUT “Telecommunication and Networks” (2 years of college), where I am part of the “system” and “networks” groups.

Classes created:

- *Computation Grids and Cloud*, MSc, 36-hour class, Institut Galilée (2016). [Web]
- *Distributed Systems*, MSc, 36-hour class, Institut Galilée (2016). [Web]
- *Basics of network services*, DUT R&T (first year), 16-hour class, IUT de Villetaneuse (2013). [Web]
- *Static and dynamic routing*, DUT R&T (first year), 50-hour class, IUT de Villetaneuse (2013). [Web]
- *System administration and virtualization*, DUT R&T (first year), 35-hour class, IUT de Villetaneuse (2013). [Web]
- *Introduction to algorithms and Python programming*, Licence professionnelle (third year), 35-hour class, IUT de Villetaneuse (2012). Long version [Web] Compacted version [Web]
- *Client-server network programming*, Licence professionnelle (third year), 25-hour class, IUT de Villetaneuse (2012). [Web]
- *Scientific programming*, class of numerical computing, PhD-level class, 8-hour class, graduate school of the Institut Galilée (2012). [Web]
- *Introduction to algorithms and C programming*, DUT R&T (first year), 60-hour class, IUT de Villetaneuse (2011). [Web]
- *Introduction to algorithms and Java programming*, Licence professionnelle (third year), 35-hour class, IUT de Villetaneuse (2011). [Web]
- *Distributed systems*, MSc level, 22-hour class, Institut Galilée (2011). [Web]
- *Parallel programming on distributed memory*, MSc level, 18-hour class, M2 MIHPS, École Centrale Paris (2010). [Web]
- *Introduction to parallel programming*, MSc class, 3-hour class, Institut Galilée (2010). [Web]
- *Advanced networks*, MSc class, 40-hour class, Polytech’Paris Sud (2009).

Publications related to teaching:

- Camille Coti, Jean-Vincent Loddo and Emmanuel Viennet: An Overview of the Options Available for Practical Activities in Distributed Computing, in Proceedings of the 16th International Conference on Information Technology Based Higher Education and Training (ITHET17), Robin Braun (ed), Ohrid, Mk, July 2017.
- Camille Coti, Jean-Vincent Loddo and Emmanuel Viennet: Practical activities in network courses for MOOCs, SPOCs and eLearning with Marionnet, in *Proceedings of the 14th International Conference on Information Technology Based Higher Education and Training (ITHET15)*, Lisbon, Portugal, June 2015. [PDF]
- Camille Coti and Jean-Vincent Loddo: Progressivité dans les modules de réseaux avec Marionnet, dans *3ème Workshop Pédagogique Réseaux & Télécoms*, November 2014. [PDF] (*in French*)
- Camille Coti: Introduction à la virtualisation en DUT R&T : retour d'expérience, in *3ème Workshop Pédagogique Réseaux & Télécoms*, November 2014. [PDF] (*in French*)

Moreover, I participated to the writing with Laure Gonnord, David Monniaux et Charlotte Truchet of a guide for computer science students about how to submit homework and labs, and how to communicate with instructors (in French):

- Camille Coti, Laure Gonnord, David Monniaux and Charlotte Truchet: Bien communiquer avec ses enseignants d'informatique à l'université [PDF]

Publications

An up-to-date list of my publications is available on my Web page.

Book chapters

1. Camille Coti: Fault Tolerance Techniques for Distributed, Parallel Applications, in Q. F. Hassan (Editor), *Innovative Research and Applications in Next-Generation High Performance Computing*, chapter 1, June 2016, IGI Global, *to appear*.
2. Camille Coti and Franck Cappello: Scalable run-time environments for large-scale parallel applications, in S. U. Khan, L. Wang, and A. Y. Zomaya (Editors), *Scalable Computing and Communications: Theory and Practice*, chapter 26, pages 563-590, March 2013, Wiley.
3. Krzysztof Kurowski, Bartosz Bosak, Piotr Grabowski, Mariusz Mamonski, Tomasz Piontek, George Kampis, Laszlo Gulyas, Camille Coti, Thomas Herault and Franck Cappello: QosCosGrid e-Science Infrastructure for Large-Scale Complex System Simulations, in Werner Dubitzky, Krzysztof Kurowski and Bernhard Schott (Editors): *QosCosGrid e-Science Infrastructure for Large-Scale Complex System Simulations*, chapter 9, pages 163-185, January 2012, Wiley.
4. Martin Swain, Camille Coti, Johannes Mandel and Werner Dubitzky: A Topology-Aware Evolutionary Algorithm for Reverse-Engineering Gene Regulatory Networks, in Werner Dubitzky, Krzysztof Kurowski and Bernhard Schott (Editors): *QosCosGrid e-Science Infrastructure for Large-Scale Complex System Simulations*, chapter 8, pages 141-162, January 2012, Wiley.
5. Benoît Bertholon, Christophe Cérin, Camille Coti, Jean-Christophe Dubacq and Sébastien Varrette : Practical Security in Distributed Systems, in *Distributed Systems (volume 1) : Design and Algorithms*, editors Serge Haddad, Fabrice Kordon, Laurent Pautet and Laure Petrucci, volume 1, chapter 11, pages 301-330, May 2011, Wiley.

International journals

6. Franck Butelle, Laurent Alfandari, Camille Coti, Lucian Finta, Lucas Létocart, Gérard Plateau, Frédéric Roupin, Antoine Rozenknop and Roberto Wolfler Calvo: Fast Machine Reassignment, in *Annals of Operations Research*, December 2015.
7. Franck Butelle and Camille Coti: Data Coherency in Distributed Shared Memory, in *the International Journal of Networking and Computing (IJNC)*, Volume 2, issue 1, pages 117-130, January 2012. [PDF]
8. Emmanuel Agullo, Camille Coti, Thomas Herault, Julien Langou, Sylvain Peyronnet, Ala Rezmerita, Franck Cappello and Jack Dongarra: QCG-OMPI: MPI Applications on Grids, in *Future Generation Computer Systems*, Volume 27, issue 4, pages 357-369, April 2011. [PDF]
9. François Berenger, Camille Coti and Kam Zhang: PAR: A PARallel And Distributed Job Crusher, in *Bioinformatics*, volume 26, number 22, pages 2918-2919, November 2010. [PDF]
10. George Bosilca, Camille Coti, Thomas Herault, Pierre Lemarinier and Jack Dongarra : Constructing Resilient Communication Infrastructure for Runtime Environments, in *Advances in Parallel Computing*, vol. 19, pages 441-451, April 2010.
11. Darius Buntinas, Camille Coti, Thomas Herault, Pierre Lemarinier, Laurence Pilard, Ala Rezmerita, Eric Rodriguez and Franck Cappello : Blocking vs. Non-Blocking Coordinated Checkpointing for Large-Scale Fault Tolerant MPI, in *Future Generation Computer Systems*, volume 24, number 1, pages 73-84, 2008.[PDF]

Proceedings of international conferences

12. Camille Coti, Sami Evangelista and Laure Petrucci: One-Sided Communications for more Efficient Parallel State Space Exploration over RDMA Clusters, in 24th international european conference on parallel and distributed computing (EuroPar 2018), August 2018, Torino, Italy.
13. Franck Butelle and Camille Coti : Distributed Snapshot for Rollback-Recovery with One-Sided Communications, in 2018 International Conference on High Performance Computing & Simulation (HPCS 2018), July 2018, Orléans, France.
14. Huyen T.T. Nguyen, Cesar Rodriguez, Marcelo Sousa, Camille Coti et Laure Petrucci: Quasi-Optimal Partial Order Reduction, in 30th International Conference on Computer Aided Verification (CAV 2018), July 2018, Oxford, UK.
15. Camille Coti, Etienne Leclercq, Freferic Roupin and Franck Butelle: Solving 0-1 Quadratic Problems with Two-Level Parallelization of the BiqCrunch Solver, in 10th International Workshop on Computational Optimization (WCO'17) part of the Federated Conference on Computer Science and Information Systems (FedCSIS), **best paper award**, Prague, Czech Republic, Sept 2017. [PDF]
16. Camille Coti, Jean-Vincent Loddo and Emmanuel Viennet: An Overview of the Options Available for Practical Activities in Distributed Computing, in Proceedings of the 16th International Conference on Information Technology Based Higher Education and Training (ITHET17), Robin Braun (ed), Ohrid, Mk, July 2017.
17. Camille Coti: Scalable, Robust, Fault-Tolerant Parallel QR Factorization, in *Proceedings of the 15th International Symposium on Distributed Computing and Applications to Business, Engineering and Science (DCABES 2016)*, **best paper award**, S. Khaddaj, Paris, August 2016. [PDF]
18. Camille Coti: Exploiting Redundant Computation in Communication-Avoiding Algorithms for Algorithm-Based Fault Tolerance, in *Proceedings of the 2nd IEEE International Conference on High Performance and Smart Computing (IEEE HPSC 2016)*, New York, USA, April 2016. [PDF]
19. Étienne André, Camille Coti and Hoang Gia Nguyen: Enhanced Distributed Behavioral Cartography of Parametric Timed Automata, in *Proceedings of The 17th International Conference on Formal Engineering Methods (ICFEM 2015)*, Paris, November 2015. [PDF]
20. Camille Coti, Jean-Vincent Loddo and Emmanuel Viennet: Practical activities in network courses for MOOCs, SPOCs and eLearning with Marionnet, in *Proceedings of the 14th International Conference on Information Technology Based Higher Education and Training (ITHET15)*, Lisbon, June 2015. [PDF]
21. Étienne André, Camille Coti and Sami Evangelista: Distributed Behavioral Cartography of Timed Automata, in *Proceedings of the 21st European MPI Users' Group Meeting (EuroMPI/Asia'14)*, Kyoto, Japan, November 2014. [PDF]
22. Camille Coti: POSH: Paris OpenSHMEM: A High-Performance OpenSHMEM Implementation for Shared Memory Systems, in *Proceedings of the International Conference on Computational Science (ICCS 2014)*, Cairns, Australia, June 2014. [PDF]
23. Camille Coti, Michel Koskas and Christophe Cerin: Fault Tolerance Logical Network Properties of Irregular Graphs, in *Proceedings of the 12th International Conference on Algorithms and Architectures for Parallel Processing (ICA3PP-12)*, Fukuoka, Japan, September 2012. [PDF]
24. Frank Butelle and Camille Coti: A Model for Coherent Distributed Memory For Race Condition Detection, in *Proceedings of the 13th Workshop on Advances in Parallel and Distributed Computational Models (APDCM'11)*, Anchorage, Alaska, USA, May 2011. [PDF]

25. Emmanuel Agullo, Camille Coti, Jack Dongarra, Thomas Herault and Julien Langou : QR Factorization of Tall and Skinny Matrices in a Grid Computing Environment, in *Proceedings of the 24th IEEE International Parallel & Distributed Processing Symposium (IPDPS'10)*, Atlanta, Georgia, USA, April 2010. [PDF]
26. Pavel Bar, Camille Coti, Derek Groen, Thomas Herault, Valentin Kravtsov, Assaf Schuster and Martin Swain : Running parallel applications with topology-aware grid middleware, in *Proceedings of the 5th IEEE International Conference on e-Science (eScience 2009)*, Oxford, UK, December 2009. [PDF]
27. Peter Sollich, Matthew Urry and Camille Coti : Kernels and learning curves for Gaussian process regression on random graphs, in *Advances in Neural Information Processing Systems 22 (NIPS 2009)*, Vancouver, Canada, December 2009. [PDF]
28. George Bosilca, Camille Coti, Thomas Herault, Pierre Lemarinier and Jack Dongarra : Constructing Resilient Communication Infrastructure for Runtime Environments, in *International Conference in Parallel Computing (ParCo2009)*, Lyon, France, September 2009. [PDF]
29. Camille Coti, Thomas Herault and Franck Cappello : MPI Applications on Grids: a Topology-Aware Approach, in *Proceedings of the 15th European Conference on Parallel and Distributed Computing (EuroPar'09)*, Delft, Nd, LNCS volume 5704, pages 466–477, August 2009. [PDF]
30. Camille Coti, Thomas Herault, Sylvain Peyronnet, Ala Rezmerita and Franck Cappello : Grid Services For MPI, in *Proceedings of the 8th IEEE International Symposium on Cluster Computing and the Grid (CCGrid'08)*, pages 417–424, Lyon, France, May 2008. [PDF]
31. Camille Coti, Ala Rezmerita, Thomas Herault and Franck Cappello : Grid Services For MPI, in *Proceedings of the 14th European PVM/MPI Users' Group Meeting (EuroPVM/MPI)*, Paris, pages 393–394, LNCS volume 4757, October 2007. [PDF]
32. Camille Coti, Thomas Herault, Pierre Lemarinier, Laurence Pilard, Ala Rezmerita, Eric Rodriguez and Franck Cappello : Blocking vs. Non-Blocking Coordinated Checkpointing for Large-Scale Fault Tolerant MPI, in *Proceedings of the Int. Conf. for High Performance Networking Computing, Networking, Storage and Analysis (SC/06)*, ACM press, Tampa, FL, USA, November 2006. [PDF]

Software

33. *POSH* (Paris OpenSHMEM): I have made an implementation of the OpenSHMEM standard for shared memory architectures.
34. *OpenMPI*: I participated to the implementation of OpenMPI, on scalability issues on the runtime environment, the usage of specific TCP ports (for instance, when a firewall is used), and on the component management system. The code I wrote (in 2007-2009) is still part of the source code of OpenMPI.
35. *OpenMPI drivers*: I have also written a few drivers for OpenMPI, in particular to improve its integration in the Grid'5000 infrastructure, by interfacing it with the reservation system réservation OAR and the deployment tool TakTuk.
36. *QCG-OMPI*: I have implemented an infrastructure to support OpenMPI on an institutional grid (federation of clusters), and OpenMPI drivers to use it. This infrastructure is part of the European project QosCosGrid I was part of during my PhD, and has been taken over by other partners in a subsequent project.

Invited presentations

37. SIAM Parallel Processing for Scientific Computing (PP16), symposium "Resilience", Paris, France, April 2016: "Exploiting Redundant Computation in Communication-Avoiding Algorithms for Algorithm-Based Fault Tolerance". Chairman: Keita Teranishi.

38. Invited talk at a mini-workshop and tutorial “Big Data, Machine Learning and Social Media Analysis”, December 16-18th, 2014, Paris, France: “Parallel, distributed models and programming paradigms”. Chairman : Emmanuel Viennet.
39. Panel of the conference ICA3PP 2012 (Fukuoka, Japan): Future and Challenges of Parallel and Distributed Computing, with Mirosław Malek, Stephen S. Yau and Koji Nakano. Chairman: Xu Huang.

Outreach (in French)

40. College of Science (Institut Galilée) news : "Camille Coti primée pour son article à Dcibes 2016", November 2016. [WWW]
41. Scientific actualities of the INS2I/CNRS : "Mettre les données doubles sur les supercalculateurs", September 2016. [WWW]
42. "Binaire", blog of the Société Informatique de France (French computer science learned society), hosted by Le Monde (French national newspaper): "S'il vous plaît... dessine-moi un superordinateur", April 8th, 2016. [WWW]
43. Meet-up "C++ FRUG #9 - Not Dead Yet !", French C++ user group: "Implémentation d'OpenSHMEM en C++11", December 10th, 2015. [WWW]

Workshops and posters

44. Camille Coti, Charles Lakos and Laure Petrucci: Formally Proving and Enhancing a Self-Stabilising Algorithm, in Proceedings of the International Workshop on Petri Nets and Software Engineering (PNSE'16), Lawrence Cabac, Lars Michael Kristensen and Heiko Rölke, Toruń, Poland, June 2016, [PDF]
45. Camille Coti: Parametric, Probabilistic, Timed Resource Discovery System, in *Proceedings of the 3rd International Workshop on Synthesis of Complex Parameters (SynCoP'16)*, Eindhoven, Nd, April 2016. [PDF]
46. Camille Coti, Sami Evangelista and Kais Klai: Queueless, Uncentralized Resource Discovery: Formal Specification and Verification, in *Proceedings of Petri Nets and Software Engineering. International Workshop, (PNSE'15)*, Brussels, Belgium, June 2015. [poster]
47. Peter Sollich and Camille Coti : Covariance functions and Bayes errors for GP, in *Bayesian Research Kitchen (BaRK'08)*, workshop of the EU FP7 PASCAL II network of excellence, September 2008, Ambleside, Lake District, UK.
48. Camille Coti, Ala Rezmerita, Thomas Herault and Franck Cappello : Grid Services for MPI, *EuroPVM/MPI'07* poster session, Paris, France, October 2007.
49. Camille Coti, Thomas Herault, Pierre Lemarinier, Laurence Pilard, Ala Rezmerita, Eric Rodriguez and Franck Cappello : MPICH-Pcl vs MPICH-Vcl, *PariSTIC* poster, Nancy, France, 22-24 November 2006.
50. MPICH-V, MPI Implementation for volatile resources, INRIA booth at *SC/06*, Tampa, Florida, USA, 11-17 November 2006.

Proceedings of national conferences (in French)

51. Camille Coti and Jean-Vincent Loddó: Progressivité dans les modules de réseaux avec Marionnet, in *3ème Workshop Pédagogique Réseaux & Télécoms*, November 2014. [PDF]
52. Camille Coti: Introduction à la virtualisation en DUT R&T : retour d'expérience, in *3ème Workshop Pédagogique Réseaux & Télécoms*, November 2014. [PDF]

Communications

53. Frederic Roupin, Franck Butelle, Camille Coti and Etienne Leclercq: Une version Multithread du solveur BiqCrunch, in *18ème congrès annuel de la société Française de Recherche Opérationnelle et d'Aide à la Décision (ROADEF'17)*, Feb 2017, Metz, France
54. Laurent Alfandari, Franck Butelle, Camille Coti, Lucian Finta, Gérard Plateau, Antoine Rozenknop and Frédéric Roupin: Combining VNS, simulated annealing, and a greedy heuristic for the ROADEF/EURO 2012 challenge, in *25th European Conference on Operational Research (EURO 2012)*, Vilnius, Jul 2012.
55. Laurent Alfandari, Franck Butelle, Camille Coti, Lucian Finta, Lucas Létocart, Gerard Plateau, Frédéric Roupin, Antoine Rozenknop and Roberto Wolfer Calvo: Extended abstract on method used by Senior Team S26 for the ROADEF/EURO 2012 Challenge, in *13ème congrès annuel de la société Française de Recherche Opérationnelle et d'Aide à la Décision (ROADEF'12)*, Apr 2012, Angers, France. [PDF]

Presentations and publications in working groups

56. Presentation: "Scalable, Robust, Fault-Tolerant Parallel Matrix Factorizations", meeting of the CNRS research group on signal, image and vision processing, April 25th, 2017, Paris, France.
57. Poster: "Fault-Tolerant, Communication-Avoiding QR Factorization", SUCCES meeting (scientific meeting of users of HPC, cloud computing and storage facilities), November 23rd and 24th 2016, Paris, France.
58. Invited speaker and session chair at a national workshop organized by the CNRS research group on compilation: 10th "journées de Compilation", September 2015, Banyuls-sur-Mer, France: "Modèles d'accès aux données dans les programmes parallèles sur mémoire distribuée" (models for data access in parallel programs on distributed memory).
59. Christophe Cérin, Camille Coti, Pierre Delort, Felipe Diaz, Maurice Gagnaire, Marija Mijic, Quentin Gaumer, Nicolas Guillaume, Jonathan Le Lous, Stephane Lubiartz, Jean-Luc Raffaelli, Kazuhiko Shiozaki, Hervé Schauer, Jean-Paul Smets, Laurent Séguin and Alexandrine Ville: Downtime statistics of current cloud solutions, technical report of the International Working Group on Cloud Computing Resiliency, March 2014, 5 pages. [PDF]
60. Christophe Cérin, Camille Coti, Pierre Delort, Felipe Diaz, Maurice Gagnaire, Quentin Gaumer, Nicolas Guillaume, Jonathan Le Lous, Stephane Lubiartz, Jean-Luc Raffaelli, Kazuhiko Shiozaki, Hervé Schauer, Jean-Paul Smets, Laurent Séguin and Alexandrine Ville: Downtime statistics of current cloud solutions, technical report of the International Working Group on Cloud Computing Resiliency, June 2013, 3 pages. [PDF]
61. Maurice Gagnaire, Felipe Diaz, Camille Coti, Christophe Cerin, Kazuhiko Shiozaki, Yingjie Xu, Pierre Delort, Jean-Paul Smets, Jonathan Le Lous, Stephen Lubiartz and Pierrick Leclerc: Downtime statistics of current cloud solutions, technical report of the International Working Group on Cloud Computing Resiliency, June 2012, 2 pages. [PDF]

Academic dissertations (in French)

62. Environnements d'exécution pour applications parallèles communiquant par passage de messages pour les systèmes à grande échelle et les grilles de calcul, PhD thesis dissertation, Université Paris Sud-XI, November 2009. [PDF] [TEL]
63. Conception et évaluation d'un algorithme de tolérance aux fautes à points de reprise coordonnés pour MPICH-2, Louis Leprince-Ringuet foundation award report, October 2006. [PDF]
64. Conception et évaluation d'un algorithme de tolérance aux fautes à points de reprise coordonnés pour MPICH-2, Master 'sthesis, September 2006. [PDF]