

Camille Coti

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Past and present positions

Since 2010	Assistant professor in computer science at <i>Université Paris 13</i> . IUT de Villetaneuse (college of technology), Network and Telecommunications department.
12/12 - 04/13	R&D Consultant in the start-up company <i>KoDe</i> , 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 <i>Iowa State University</i> (USA), department of mathematics, High Performance Computing group (10 months).
10/06 - 11/09	Graduate research assistant at <i>INRIA Saclay-Île de France</i> , Grand Large project (INRIA and LRI, Orsay). Visiting graduate research assistant at the <i>University of Tennessee, Knoxville</i> , Innovative Computing Laboratory. Three visits, 6, 6 and 10 months.
04/06 - 09/06	Master thesis at <i>INRIA Saclay-Île de France</i> , Grand Large project (5,5 onths).
07/05 - 08/05	Internship at <i>King's College, London</i> , department of mathematics (2 months).

Education

2006-09	PhD in computer science , <i>Université Paris Sud-XI</i> . 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 <i>Télécom INT</i> . <i>Université Paris Sud-XI</i> delivered me a certificate of equivalence of a research MSc , required to enrol in a PhD program.

Awards

- Best Paper Award at DCABES 2016: “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.

Teaching

Since 2010, I teach 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 at the Institut Galilée (the college of science of Université Paris 13). I teach classes on the following topics: introduction to programming, architecture, systems and networks, distributed systems.

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.

Summary:

Year	College	Number of hours
2015–2016	IUT de Villetaneuse	170h
2014–2015	IUT de Villetaneuse	100h
	Institut Galilée	45h
	Télécom SudParis	7h
2013–2014	IUT de Villetaneuse	345h
	Institut Galilée	26h
	Graduate school	8h
2012–2013	IUT de Villetaneuse	215h
	Institut Galilée	22h
2011–2012	IUT de Villetaneuse	128h
	Institut Galilée	22h
2010–2011	IUT de Villetaneuse	133h
	Institut Galilée	4h30
	École Centrale Paris (M2 MIHPS)	27h
	École Centrale Pékin	1h30
2009–2010	Polytech’Paris Sud	40h
2008–2009	Polytech’Paris Sud	10h
2007–2008	IUT d’Orsay	49h

Classes created:

- *Computation Grids and Cloud*, MSc, 36-hour class, lectures and labs, Institut Galilée (2016). [Web]
- *Distributed Systems*, MSc, 30-hour class, lectures and labs, Institut Galilée (2016). [Web]
- *Basis of network services*, DUT R&T (first year), 16-hour class, lectures and labs, IUT de Villetaneuse (2013). [Web]
- *Static and dynamic routing*, DUT R&T (first year), 50-hour class, lectures, tutorials and labs, IUT de Villetaneuse (2013). [Web]
- *System administration and virtualization*, DUT R&T (first year), 35-hour class, lectures, labs and manual, IUT de Villetaneuse (2013). [Web]
- *Introduction to algorithms and Python programming*, Licence professionnelle (third year), 35-hour class, lectures, tutorials, labs, mini-project and manual, IUT de Villetaneuse (2012). Long version [Web] Compacted version [Web]

- *Client-server network programming*, Licence professionnelle (third year), 25-hour class, labs manual, IUT de Villetaneuse (2012). [Web]
- *Scientific programming*, class of numerical computing, PhD-level class, 8-hour class, lectures, graduate school of the Institut Galilée (2012). [Web]
- *Introduction to algorithms and C programming*, DUT R&T (first year), 60-hour class, lectures, tutorials, labs, mini-project and manual, IUT de Villetaneuse (2011). [Web]
- *Introduction to algorithms and Java programming*, Licence professionnelle (third year), 35-hour class, lectures, tutorials, labs, mini-project and manual, IUT de Villetaneuse (2011). [Web]
- *Distributed systems*, MSc level, 22-hour class, lectures, tutorials, labs and mini-projects, Institut Galilée (2011). [Web]
- *Parallel programming on distributed memory*, MSc level, 18-hour class, lectures, M2 MIHPS, École Centrale Paris (2010). [Web]
- *Introduction to parallel programming*, MSc class, 3-hour class, lectures, Institut Galilée (2010). [Web]
- *Advanced networks*, MSc class, 40-hour class, lectures, tutorials, labs and mini-project, Polytech'Paris Sud (2009).

I also contributed to or updated the following classes:

- *Internet technologies*, DUT R&T (second year), class created by Laure Petrucci: updated the contents of the class, added lectures and labs (2012). [Web]
- *Administration of network operating services*, DUT R&T (first year), class created by Laure Petrucci: wrote additional lab sheets (2010). [Web]

From 2014 to 2016, I am part (work Jean-Vincent Loddo) of the preparation of a MOOC entitled “Introduction aux réseaux TCP/IP avec Marionnet” funded by the IDEX Sorbonne-Paris-Cité (total : 40 000€). It should be released in September 2016.

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 15th International Conference on Information Technology Based Higher Education and Training (ITHET16), Robin Braun (ed), Istanbul, September 2016, *to appear*.
- 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: 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.
13. 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, Torun, Poland, June 2016. [PDF]
14. 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]
15. 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]
16. Camille Coti, Jean-Vincent Loddio 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]
17. 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]
18. 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]
19. 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]
20. 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]
21. 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]
22. 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]
23. 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]
24. 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]
25. 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]

26. 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]
27. 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]
28. 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

29. *POSH* (Paris OpenSHMEM): I have made an implementation of the OpenSHMEM standard for shared memory architectures.
30. *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.
31. *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.
32. *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

33. 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.
34. 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).
35. 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.
36. 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)

37. College of Science (Institut Galilée) news : "Camille Coti primée pour son article à Dcabs 2016", November 2016. [WWW]
38. Scientific actualities of the INS2I/CNRS : "Mettre les données doubles sur les supercalculateurs", September 2016. [WWW]

39. "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]
40. 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

41. 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]
42. 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]
43. 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]
44. 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.
45. Camille Coti, Ala Rezmerita, Thomas Herault and Franck Cappello : Grid Services for MPI, *EuroPVM/MPI'07* poster session, Paris, France, October 2007.
46. 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.
47. MPICH-V, MPI Implementation for volatile resources, INRIA booth at *SC/06*, Tampa, Floide, USA, 11-17 November 2006.

Proceedings of national conferences (in French)

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

Communications

50. 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
51. 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.
52. Laurent Alfandari, Franck Butelle, Camille Coti, Lucian Finta, Lucas Létocart, Gerard Plateau, Frédéric Roupin, Antoine Rozenknop and Roberto Wolfler 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]

Academic dissertations (in French)

53. 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]
54. 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]
55. Conception et évaluation d'un algorithme de tolérance aux fautes à points de reprise coordonnés pour MPICH-2, Master 'sthesis, September 2006. [PDF]

Other publications

56. Olivier Bodini, Camille Coti and Julien David: Parallel Galton Watson Process, CoRR abs/1606.06629 [cs.DC], June 2016, 6 pages. [arXiv]
57. Camille Coti: Fault Tolerant QR Factorization for General Matrices, CoRR abs/1604.02504, April, 4 pages. [arXiv]
58. Camille Coti, Charles Lakos and Laure Petrucci: Formally Proving and Enhancing a Self-Stabilising Distributed Algorithm, CoRR abs/1601.03767, January 2016, 21 pages. [arXiv]
59. Camille Coti: Exploiting Redundant Computation in Communication-Avoiding Algorithms for Algorithm-Based Fault Tolerance, CoRR abs/1511.00212, November 2015, 5 pages. [arXiv]
60. Camille Coti and Nicolas Greneche: OS-level Failure Injection with SystemTap, CoRR abs/1502.01509, February 2015, 4 pages. [arXiv]
61. Camille Coti, Sami Evangelista and Kais Klai: Time Petri Net Models for a New Queueless and Uncentralized Resource Discovery System, CoRR abs/1502.03431 February 2015, 8 pages. [arXiv]
62. 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]
63. Camille Coti: POSH: Paris OpenSHMEM: A High-Performance OpenSHMEM Implementation for Shared Memory Systems, CoRR abs/1403.7791 [cs.DC], March 2014, 13 pages. [arXiv]
64. 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]
65. 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]
66. Franck Butelle and Camille Coti : A Model for Coherent Distributed Memory For Race Condition Detection, CoRR abs/1101.4193 [cs.DC], February 2011, 7 pages. [arXiv]
67. Glenn Luecke, Camille Coti, James Coyle, James Hoekstra, Marina Kraeva, Indranil Roy : Preliminary design document for UPC-CHECK : a tool for detecting UPC run-time errors, DoD project report, March 2010, 23 pages.

68. Emmanuel Agullo, Camille Coti, Jack Dongarra, Thomas Herault and Julien Langou : QR Factorization of Tall and Skinny Matrices in a Grid Computing Environment, LAPACK Working Note #224, UTK research report UT-CS-10-651, January 2010, 15 pages. [LAWN]
69. Emmanuel Agullo, Camille Coti, Jack Dongarra, Thomas Herault and Julien Langou : QR Factorization of Tall and Skinny Matrices in a Grid Computing Environment, CoRR abs/0912.2572mak [cs.DC], December 2009, 15 pages. [arXiv]
70. Ala Rezmerita, Camille Coti, Thomas Herault and Sylvain Peyronnet: Définition des mécanismes minimaux d'un runtime tolérant aux pannes dans les infrastructures Petascale, ANR SPADES ANR 08-ANR-SEGI-025 deliverable report, November 2010, 14 pages. [PDF]
71. Elisabeth Brunet, Franck Cappello, Camille Coti, Thomas Herault and Sylvain Peyronnet : Supports d'exécution pour environnements petascales : État de l'art, ANR SPADES ANR 08-ANR-SEGI-025 deliverable report, April 2010, 19 pages. [PDF]
72. Camille Coti, Thomas Herault, Derek Groen and Mariusz Mamonski : D1.2c: Adapted version of the OpenMPI Communication Library, UE QoS-CosGrid FP6-IST-2005-033883 deliverable report, June 2009, 28 pages. [PDF]
73. Camille Coti, Thomas Herault and Ala Rezmerita : D1.2b: Adapted version of the OpenMPI Communication Library, UE QoS-CosGrid FP6-IST-2005-033883 deliverable report, October 2008, 45 pages. [PDF]
74. Krzysztof Kurowski, Mariusz Mamonski, Piotr Grabowski, Yannick Langlois, Guillaume Meche-neau, Thomas Herault, Camille Coti and Mark Ragan : D1.4: Second Prototype and Integration of Grid Services Together with QoS-Aware Grid MW Providers, UE QoS-CosGrid FP6-IST-2005-033883 deliverable report, October 2008, 28 pages. [PDF]
75. Camille Coti, Thomas Herault and Franck Cappello : MPI Applications on Grids: A Topology-Aware Approach, INRIA research report #6633, September 2008, 21 pages. [HAL]
76. Camille Coti, Thomas Herault, Pierre Lemarinier, Sylvain Peyronnet and Ala Rezmerita : D1.2a: OpenMPI Communication Library, UE QoS-CosGrid FP6-IST-2005-033883 deliverable report, October 2007, 37 pages. [PDF]
77. David Carmeli, Valentin Kravtsov, Benny Yoshpa, Aassaf Schuster, Krzysztof Kurowski, Camille Coti and Thomas Herault : D2.1 Part 1: Grid Services for Quasi Opportunistic Super Computing, UE QoS-CosGrid FP6-IST-2005-033883 deliverable report, April 2007, 75 pages. [PDF]
78. Camille Coti, Thomas Herault, Krzysztof Kurowski, Pierre Lemarinier and Guillaume Meche-neau : D1.1: State of the art/Gap analysis of Existing Grid Middleware Services for CS modeling, UE QoS-CosGrid FP6-IST-2005-033883 deliverable report, April 2007, 32 pages. [PDF]