

## Pierre Riteau

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IRISA / INRIA Rennes  
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Pierre.Riteau@irisa.fr  
Phone: +33 (0)2 99 84 22 39  
Born March 3, 1986.  
French nationality.

Website: <http://perso.univ-rennes1.fr/pierre.riteau/>

### Research interests

Virtualization, cloud computing, high performance computing, distributed systems

### Education

October 2008–Present  
**Ph.D. student in Computer Science** University of Rennes 1  
Rennes, France  
Ph.D. candidate in the PARIS project-team. Working on efficient migration and storage of virtual environments for high performance computing over large scale distributed architectures.  
Supervised by Dr. Thierry Priol (INRIA) and Dr. Christine Morin (INRIA).

2007–2008  
**M.Sc. in Computer Science** University of Rennes 1  
Rennes, France  
Master of Science in Computer Science, with honours.  
Specialized in distributed systems and computer networks.

2006–2007  
**Maîtrise d'Informatique** University of Nantes  
Nantes, France  
Maîtrise d'Informatique, equivalent to a Taught Master's Degree in Computer Science, with honours (ranked 1st).

2003–2006  
**B.Sc. in Computer Science** University of Nantes  
Nantes, France  
Bachelor of Science in Computer Science, with honours.

### Employment

October 2008–Present  
**Teacher Assistant** IFSIC, University of Rennes 1  
Rennes, France  
Teaching courses on Unix systems architecture and programming.  
Taught lab work on system architecture, and introduction to imperative programming.

February–August 2008  
**Research Internship** INRIA  
Rennes, France  
5 months internship followed by 2 months temporary position at INRIA, in the PARIS project-team.  
Implementation of checkpoint capabilities in kDFS, a symmetric distributed file system part of the Kerrighed open source project (<http://www.kerrighed.org/wiki/index.php/KernelDevelKdFS>).  
Supervisors: Dr. Adrien Lèbre (EMN) and Dr. Christine Morin (INRIA).

June–August 2007  
**Internship** LINA  
Nantes, France  
3 months internship at the Computer Science Laboratory of the University of Nantes, France (LINA).  
Enhanced a Multiple Criteria Decision Support System for the railway capacity (RE-

CIFE), offering new tools for decision makers. Worked with C++ and the Qt library. Supervisor: Pr. Xavier Gandibleux (University of Nantes, France).

## **Publications**

### **International Conferences**

Pierre Riteau, Adrien Lèbre, and Christine Morin. Handling Persistent States in Process Checkpoint/Restart Mechanisms for HPC Systems. In *Proceedings of the 9th IEEE/ACM International Symposium on Cluster Computing and the Grid (CCGrid 2009)*, pages 404–411, 2009.

### **International Journals**

Christine Morin, Yvon Jégou, Jérôme Gallard, and Pierre Riteau. Clouds: a New Playground for the XtreamOS Grid Operating System. *Parallel Processing Letters (PPL)*, 19(3):435–449, September 2009.

## **Miscellaneous Activities**

Talk at the SER-OS workshop (<http://www.irisa.fr/paris/ser-os09/>): Efficient migration and storage of virtual environments using distributed content addressing

Reviews for international conferences and workshops (CCGrid 2009, CoreGRID 2009 Workshop, etc.)

## **Computing Skills**

Programming languages: C, C++ , Ruby, Java, Bourne Shell, Scheme, SQL, PHP, Ocaml

Unix system programming: POSIX threads, sockets, etc.

Markup languages: L<sup>A</sup>T<sub>E</sub>X, HTML

## **Language Skills**

French: Native

English: Fluent