

Olivier Poitou

9 enclos de la Prairie
59300 Valenciennes
France.

Phone: (+33)3.27.42.79.49
Cell. : (+33)6.13.22.03.85
poitou@free.fr
<http://poitou.free.fr/>

**Researcher in
computer science**



Major Skills

Technical skills and knowledge

- Distributed systems and algorithms
- Modelling: UML, ADT, Petri networks...
- Programming: C, Java, C++, Lisp, prolog...
- System architecture
- System administration
- Networks
- Language Theory
- Computer architecture
- Numerical optimisation

General skills

- Oral and written communication: public demonstration, conference, and teaching.
- Team work and team management
- Experience in European Project management and proposal writing
- French: native speaker
- English: working knowledge
- Spanish: conversational

Research experience

Leader of the WeGRID research team

10/2005-...

[CETIC](#), Web Mining and Grid Application Team, Charleroi, Belgium.

- Grid and Peer-to-peer research
- Security aspects in distributed environment (Grid/P2P) research
- Contribution to Scientific direction of the team and the research center .
- Member of the CoreGRID European Network of Excellence
- Leader of the "Visualization & Virtual Reality" experiment of the BEinGRID European project

Researcher

2005

[CETIC](#), Web Mining and Grid Application Team, Charleroi, Belgium.

- Grid and Peer-to-peer research
- Member of the CoreGRID European Network of Excellence
- Conception and development of a peer-to-peer filesystem
- Coordinator of the CoWFS European Project proposal (Hewlett-Packard, Université Pierre et Marie Curie, RHEA and Zeus Consulting).
- Leader of the "distributed filesystem" task of the DESSERT European Project Proposal (coordinator: Bertin Technologies).
- Leader of Technical and Scientific aspect of the BEinGRID European project proposal.

Doctoral Student Researcher

1999-2003

ONERA-Toulouse Laboratory, computer science department, France.

- Measurements and analysis of impact of isolated characteristics of cluster machines on global efficiency.
- Guidelines to efficiently distribute irregular applications.
- Lazy algorithm approach to distribute data in irregular cases.
- Dynamic recursive task splitting approach to distribute irregular applications.

Pre-doctoral Student Researcher *1998-1999*
ONERA-Toulouse Laboratory, computer science department, France.

- Evaluation of several consistency protocols for distributed shared memory
- Distribution and optimisation of a lazy ray-tracing algorithm.

Teaching experience

Engineering training instructor *1999-2002*
IPST (School of Engineering for working people), Toulouse and Albi, France

- "Data structures and algorithm complexity", first year level *1999-2002*
- "Modelling languages", last year level *2000-2001*

Supervisor of research initiation projects *2000-2001*
Supaero (School of Engineering of Toulouse), second year level, France.

Education

Ph.D. in computer science with highest honours *July 2003*
Supaero (School of Engineering of Toulouse), Toulouse, France
Thesis (in french): Une algorithmique adaptée à la distribution pour la résolution de problèmes irréguliers
(How to efficiently distribute irregular applications)

Pre-doctoral studies in computer science with honours *1999*
EDIT (Doctoral school of computer science and telecommunication), Toulouse, France
Majors: Systems and networks

Additional Trainings

Software optimisation *2005*
Three days training on sequential and distributed software optimisation
University of Namur, Namur (Belgium).

CoreGRID Summer School *2005*
One Week training on Grid middlewares and Grid theory
Ecole Polytechnique Fédérale de Lausanne, Lausanne (Swiss).

Sun N1 Grid Engine - Advanced Administration *2005*
Sun Training on the Sun Grid Engine product
Sun training centre, Brussels (Belgium).

Publications

PhD dissertation:

- Olivier Poitou, *Une algorithmique adaptée à la distribution pour la résolution de problèmes irréguliers/How to efficiently distribute irregular applications (only in french)* PhD dissertation, Supaero, Toulouse, July 2003.

International conferences:

- Syed Naqvi, Olivier Poitou, Philippe Massonet, Alvaro Arenas, *Security Requirements Analysis for Large-scale Distributed File Systems*, Europar 2006, Dresden, Germany.
- Bernard Lecussan and Olivier Poitou, *Fundamental parallel program issues to improve parallel computations*, Invited talk Ala2001 (Linear Algebra and Arithmetic: Numerical, Symbolic and Parallel Computations), international conference presentation, University of Sciences, Rabat, Morocco, May 2001.
- Olivier Poitou, Bernard Lecussan and Sébastien Bermes, *Laziness, a way to improve distributed computation of the ray tracing algorithm*, international conference presentation, WSCG 2000 (Winter School of Computer Graphics), Prague, February 2000.

International meeting:

- Alvaro Arenas, Philippe Massonet, Olivier Poitou, *Towards Goal-Oriented Refinement of Grid Trust and Security Policies for Virtual Organizations*, In CoreGRID integration workshop, Pisa, Italy, November 2005. Network of Excellence CoreGRID
- Olivier Poitou, Régine Leconte, David Gauchard and Thierry Monteil, *Cluster computing*, international meeting stand animation (during three days), SITEF'2000 (International show of technology and innovation), Toulouse, 2000.

National meeting:

- Many interventions in several meetings of FERIA PAR group (parallel application research group of CNRS and ONERA laboratory federation) from 2000 to 2002.

More about me

I am 32 years old. Attracted to oriental wisdom, I practice Tae kwon do (Korean martial art), but keep my French touch learning oenology (wine story and identification). Loving wide areas and mountains, I also enjoy snowboarding. Finally, playing volley ball allows me to develop my team spirit and even leadership skills as I was manager of the Supaero-CERT volley ball team from 2000 to 2002.