

Gaétan HAINS

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Born in Montreal 1963, French citizen since 1999.



FULL PROFESSOR OF COMPUTER SCIENCE

PROFESSIONAL EXPERIENCE

9/2006-now Professor of Computer Science at LACL, University of Paris-Est.

- Teaching, research and doctoral supervision in Computer Science at University level.
- Director *Laboratoire d'algorithmique, complexité et logique* (LACL) in 2007-8: 22 faculty.
- Research projects on parallel computing, computer security, very large document processing with SMEs involved in Monitoring, Peer-to-Peer storage, High-frequency trading and document technologies.

10/2009-now Research Engineer (part-time), EXQIM SAS Paris.

- Industrial research on software design for high-frequency trading
- Research organization : industrial thesis supervision, project organization, workshop
- Relations with French public IST research

1/2008-8/2008 Project Leader, SAP Labs France Sophia Antipolis.

- Industrial research in Computer Security
- Coordination of european and national projects and project proposals
- Relations with French public IST research

2005-2006 Program officer at Agence Nationale de la Recherche (ANR):

- Responsible for ANR's software research programmes of over 40M€/yr: basic research on massive data sets, basic research on software safety-security, academia-industry research on software technology, high-performance computing and computer architecture research.
- Coordination with external support organizations for ANR calls for projects.
- Organization and operation of evaluation/strategic committee of each call.
- Coordination with the national IST research community, with ANR top management, with european organizations, national workshops.
- Organization of proposals for the evolution and operations of IST calls.

2000-2005 director of the Laboratoire d'informatique fondamentale d'Orléans (LIFO): 45 members including 29 faculty.

- Leadership, scientific and administrative organization of the lab's association with CNRS.
- Inclusion of new faculty beyond Orléans: Université du Maine and ENSI-Bourges.
- Scientific and internal reorganization of the laboratory to follow research trends and local development potential in 2000 and 2005.
- Coordination with the University's administration, management of expenses, external publicity, popular science activities.
- Doubling of LIFO's external funding through collaborations with BRGM (national geology office), INRIA, CEA (atomic energy commission), national funding sources, doctoral-funding contracts etc.

1995-2006 Full professor of Computer Science – University of Orléans

- Research: 30 international publications, several Masters, doctoral and post-doc supervisions, software libraries and tools development.
- Applications of basic computer science research to high-performance computing, to data-mining and to automatic verification of software security properties.
- Organization of national and international workshops.

- Coordination of a national project funded by French Ministry of Research: declarative programming and database libraries for grid computing (INRIA, Université Paris-7, Université Paris-12, Université d'Orléans).
- Coordination of projects with bilateral funding: France-GB (Oxford-Orléans), France-Québec (Montréal, Grenoble, Nancy, Orléans), France-Japan (Tohoku-Orléans).
- International programme committees, external examiner for doctoral / habilitation theses/dissertations.
- Member of University scientific council, member of the Univ-industry contracts commission, head of Math-CS doctoral studies, member of recruiting commission, member of Mathematical Sciences doctoral school board at Univ. Paris-6/Paris-7.
- Teaching of theoretical and applied Computer Science at undergraduate and graduate levels in the faculty of science, the faculty of law, ENSI-Bourges engineering school. Full teaching loads since 1989: courses, labs, online documents and exercise sets.

1994-95 Visiting Researcher – Fujitsu Laboratories, Tokyo

- Computer Science research on declarative and mobile programming.
- Visit of several Japanese laboratories, acquaintance with Japanese management and company structures.

1994 Visiting Professor – Ecole Normale Supérieure de Lyon

- Computer Science research, international publications.
- Co-supervision of an MSc project between Montreal and Lyon.

1989-95 Assistant professor – Université de Montréal

- Computer Science teaching and research, one doctoral student supervision, hosting of foreign student visitors, international publications, several successful grant applications.
- Organization of an international scientific workshop with published proceedings, setup of a small independent laboratory (2 faculty, 3 PhD students, 1 research engineer) on the then novel theme of parallel programming.

1989 Researcher – Centre de Recherche Informatique de Montréal (CRIM)

- CRIM is an industry-academia joint institute for IST research in Quebec.
- Scientific proposal, organization and launching of a national research project between four Montreal Universities and industry partners IBM, DEC, DMR: *a portable parallel programming environment*.

1985 Scientific programmer – Sperry Defense Products (Unisys) Montréal.

- Design and documentation of software modules for detection and tracking and submarine targets. Client: Canadian Navy. Mathematical algorithms, safety, software engineering.

STUDIES

- MSc+DPhil (doctorate) in computation Oxford University 1986-90. Ranked first in the 1986-87 MSc class. Commonwealth, NSERC-Canada and FCAR-Québec scholarships.
- BSc in applied Mathematics, Concordia University Montreal 1985. Ranked 2nd Canadian at the first exam of the Society of Actuaries.

MISC.

- French-English bilingual. Basics of German language.
- Member of ACM and senior IEEE member.
- Training Competence Mapping for Meeting Future Challenges, EIRMA Paris 3/2007.
- Training : fire prevention and extinguisher handling, Univ Paris-12, 2007.
- Training: academia-industry partnerships & patents, CNRS 2003-4.
- Training: scientific communication with mass-media, CNRS 2003.
- Training: strategic management of research labs, CNRS 2002.
- Hobbies: jogging, ballroom dancing, reading philosophy and history.