

# Fabien GANDON,



Post-doctorate at Carnegie Mellon University.  
Ph.D. in Informatics and Computer Science.  
Graduated High School Engineer in Applied Mathematics.

## Current Activities

Post-doc position in the Mobile Commerce Lab within the School of Computer Science at Carnegie Mellon University. I am working on the "MyCampus" project providing context-aware mobile services aimed at enhancing everyday life on the campus of a university. It relies on Semantic Web standards for data communication and storage, multi-agent systems and web services for the implementation of services, and personal digital assistants with wireless network connections for access and localisation.

## Personal Objectives

To teach and research in the field of applied computer science and informatics, in an international environment.

## Research and Lecturing Background

- January 03 - December 03* : Post-doc position in the Mobile Commerce Lab within the School of Computer Science at Carnegie Mellon University on the "MyCampus" project
- 7th of November 2002* : **Ph.D. Defense.** I was a Ph.D. student in the ACACIA Research team, at INRIA (French National Institute for Research in Computer Science and Control) Sophia-Antipolis. My subject was "Distributed Artificial Intelligence and Knowledge Management: ontologies and multi-agents systems for a corporate semantic web." This work concerned multi-agents systems for the management of a corporate semantic web based on an ontology. It was carried out in the context of the European project CoMMA focusing on two application scenarios: support technology monitoring activities and assist the integration of a new employee to the organisation. Three aspects were essentially developed in this work:
- the design of a multi-agents architecture supporting both scenarios, and the organisational top-down approach followed to identify the societies, the roles and the interactions of agents.
  - the construction of the ontology O'CoMMA and the structuring of a corporate memory exploiting semantic Web technologies.
  - the design and implementation of the sub-societies of agents dedicated to the management of the annotations and the ontology and of the protocols underlying these groups of agents, in particular techniques for distributing annotations and queries between the agents
- November 01 - October 02* : **Third year of Ph.D.** at INRIA  
**Third year of "Monitorat"**. Lecturing ("Moniteur" : french lecturer's training in 3 years) at Nice University. A "Moniteur" gives an average of 64 hours / 96 hours of lecturing per year and receives training (lessons and practical sessions) from the local public lecturer training institute. In charge

of three groups of students from University, first year in Mathematics and Physics for practical work sessions on Java programming.  
 Also in charge of a course on Ontologies at "Ecole Nationale Supérieure des Mines Saint Etienne" - 12 hours - level : DEA (Equivalent to M.Phil.).  
 Finally, two short presentations and one cluster at KMSS 2002.

- November 00 - October 01* : **Second year of Ph.D. at INRIA**  
**Second year of "Monitorat"**, in charge of three groups of students from University, second year in Mathematics and Physics for practical work sessions on "Unix and Networks". Also, in charge of two groups of students from University, first year in Mathematics and Physics for practical work sessions on Java programming.
- November 99 - October 00* : **First year of Ph.D. at INRIA**  
**First year of "Monitorat"**, in charge of "Internet, Web and Network technology" introduction course and practical work sessions. Also supervising practical work sessions on some office tools (Excel, Word and Netscape Composer)
- October 98 - June 99* : **Part-time lecturer at Watford University** on BTEc Higher National Certificate in Business Information Technology (Computer's Fundamentals, MS-Office Pack, Support & Helpdesk).

## Education Background

- September 01 - June 02* : **Third year of training for the "Monitorat" organized by the CIES of Nice**
- 2-13 July 2001* : **ACAI-01 : Advanced Course on Artificial Intelligence & EASSS-01 : Third European Agent Systems Summer School**  
 Czech Technical University in Prague, Czech Republic  
<http://cyber.felk.cvut.cz/ACAI01/>
- September 00 - June 01* : **Second year of training for the "Monitorat" at the IUFM and CIES of Nice**
- 4-8 September 2000* : **Thematic French Summer School of GdR-PRC-I3 "Nouveaux défis en Sciences de l'Information : Documents & Evolution"**, Faculté des Sciences de Saint-Jérôme, Marseille. (New Challenges in Information Sciences: Documents and Evolution)
- 14-18 August 2000* : **EASSS: 2nd European Agent Systems Summer School in Saarbrücken Germany**  
<http://www.dfki.de/easss/>
- September 99 - June 00* : **First year of training for the "Monitorat" at the IUFM and CIES of Nice**
- 1993-1998* : **Graduated High School Engineer in Applied Mathematics (Master's Degree in Engineering) and M.Phil. in Image Processing and Control.**
- National Institute of Applied Sciences (INSA) of Rouen. Department of Applied Mathematics and Computer Science. Graduated as 'Ingénieur' (Master's Degree in Engineering) in July 1998, first rank. The final year dissertation comprising a study of feasibility of a knowledge-based system in the field of architectural conception in the construction industry.
  - During the last year I undertook, in parallel, studies for an M.Phil. in image processing and knowledge based systems. Graduated in September 1998, from the University of Rouen, second rank. Presentation of a paper at IC'98 (Knowledge Engineering): "Expertise dans le cadre d'un processus de conception : un exemple en architecture"

- June 1993* : French 'Baccalaureate' with honours, Computer Science option (Equivalent of British A levels, with specialisation in mathematics, chemistry, physics and computer science)
- May 1993* : Winner of the Special Science Academy Award in the national 'Olympiads of Physics' competition.

## Industrial Work Experience

- July 98- November 99* : Sixteen-month military service on assignment to Bull-Integris (Hemel Hempstead UK) as a software engineer. Implementation of tool for financial modelling and evaluation of contracts. Entirely developed in Visual Basic for Access and distributed world-wide with technical support.
- June-October 1997* : Five-month placement as an 'ingénieur' with TOSHIBA (Kawasaki in Japan) Implementation of a simulation of a generic multi-agent system and then development of an interface displaying the current system representation (VRML 2.0) and providing the user with controls over the system. The whole code has been developed in Java.
- July-September 1996* : Three-month placement as a technician with QuantiSci (Henley-on-Thames in UK), a company providing QUANTitative SCientific services. Development of libraries in C++ (dongle protection, specific data structures, exportation of data toward other software : Excel and ArcView). Portability of products using XVT third party libraries. Development of the web site with a graphic designer <http://www.quantisci.co.uk/>
- July 1994* : One month work experience placement, at SA HENRY, a mechanical engineering company.

## Languages

- French* : Native language.
- English* : Fluent. Test Of English for International Communication (TOEIC) : 880/ 990 in 1997.
- Spanish* : Spoken and written comprehension.
- Japanese* : Speaking abilities (three years of study; five months in Japan).

## Personal Details

French, Male, Born the 31<sup>st</sup> of July 1975 (27 years old)

### Carnegie Mellon address

*Address* : Fabien GANDON  
ISRI - School of Computer Science  
Carnegie Mellon University  
5000 Forbes Avenue  
Pittsburgh PA 15213-3891

### INRIA address

*Address* : INRIA - Projet ACACIA  
Bureau BS-04  
2004 Route des Lucioles  
B.P. 93  
06902 SOPHIA-ANTIPOLIS  
FRANCE

*Tel* : [+33/0] 4-92-38-77-88

*Fax* : [+33/0] 4-92-38-77-83

*Mail* : Fabien.Gandon@sophia.inria.fr

*Web* : <http://www-sop.inria.fr/acacia/personnel/Fabien.Gandon/>

### Permanent address

*Address* : Allée neuve  
45240 Marcilly en Villette  
FRANCE

*Tel* : [+33/0] 2-38-76-14-79 (answering machine)

## Referees

Dr. Rose DIENG [Rose.Dieng@sophia.inria.fr](mailto:Rose.Dieng@sophia.inria.fr) Tel +33 (0)4-92-38-78-10  
Research director ACACIA team at the INRIA Sophia Antipolis

Dr. Catherine Barry  
Researcher - Former lecturer at INSA and now at LaRIA

Mr. Hervé Karp [herve.karp@atosorigin.com](mailto:herve.karp@atosorigin.com) Phone: (+33) (0) 4 92 96 88 15  
Consultant ATOS-ORIGIN

Pr. Joost Breuker [breuker@swi.psy.uva.nl](mailto:breuker@swi.psy.uva.nl) Phone: (+31) 20 525 3494/6798/6789  
Professor at the university of Amsterdam

Pr. Agostino Poggi [poggi@ce.unipr.it](mailto:poggi@ce.unipr.it) Phone: (39) 0521 905728  
Professor Univ. Parma