


Olivier Paul

Personal Information

	First Name	Olivier
	Last Name	Paul
	Date of birth	May 20 th 1973
	Citizenship	French
	Personal address	6 rue de la paillette, 35000 Rennes, France
	Professional address	RSM department, ENST de Bretagne 2 rue de la chataigneraie 35510 Cesson-Sevigne, France
	Personal phone number	(33) 299545840
	Professional phone number	(33) 299127051
	Professional fax number	(33) 299127030
	Email	Olivier.Paul@enst-bretagne.fr
	URL	http://www.rennes.enst-bretagne.fr/~paul/

Diplomas

November 97 - present – **Ph.D. at the University of Rennes-1. Access control in ATM networks.**

Research carried at the Networks and Multimedia Services Department of ENST de Bretagne on a research project for the DRET (French army research center).

1996 – **Master in computer science** at the university of Rennes 1.

1995 – **Professional Diploma in Economics** at C.N.A.M.

1995 – **Bachelor in computer science** at the university of Pau.

1991 – **Baccalaureate in Mathematics and Physics.**

Professional Experience

October 00 - March 01 – **Research Engineer** at the Networks and Multimedia Services Department of ENST de Bretagne (France).

Principal investigator in a project in collaboration with the CNET (France Telecom Research Center) and the DRET.

Topic: *Fast Classification Algorithms for TCP/IP and Application level Access Control.*

November 97 - October 00 – **Research Assistant (Ph.D. student)** at the Networks and Multimedia Services Department of ENST de Bretagne (France).

Principal investigator in a project in collaboration with the CNET and the DRET.

Topic: *Access Control and quality of service for ATM networks (CARAT).*

Since November 97 – **Supervision of engineering projects** of graduate students at the Networks and Multimedia Services Department of ENST de Bretagne (France).

October 96 - October 97 – **Network Administrator** at the Inter-Army College of Defense (CID - France).

Topic: *Daily administration and network evolutions planning (500 workstations network).*

February 96 - September 96 – **Software Engineer** at the Networks and Multimedia Services Department of ENST de Bretagne (France).

Topic: *Design and implementation of a security module for ATM networks.*

Since September 95 – Several **Teaching and Training activities** (see details below).

Teaching

January - March 01 – **Instructor** (undergraduate students) at ESIEA, Laval. Courses on Computer Networks.

May 00 – **Instructor** (postgraduate international students) at ENST de Bretagne, Rennes. Courses on ATM and IP networks integration (CLIP, LANE, MPOA, ...).

March 00 – **Instructor** (graduate students) at ENSTA, Paris. Courses on ATM and IP networks integration and network management.

November 97 - Present – **Teaching assistant** (postgraduate students) at ENST de Bretagne, Rennes. Practical courses of Networking protocols, Security, Network configuration and management, UNIX, C, ...

November 97 - Present – **Teaching assistant** (graduate students), at ENST de Bretagne, Brest. Courses on Networks Principles and Protocols (OSI model, TCP/IP, X25, ATM, ..).

September 95 - March 96 – **Teaching assistant** (undergraduate students), at University of Rennes 1, Courses on Algorithmic.

Publications

Olivier Paul, “*Contrôle d'accès dans les réseaux ATM*”, **Ph.D. Thesis**, University of Rennes 1, Graduation expected in January 2001.

Olivier Paul, Maryline Laurent, “*Techniques d'amélioration des méthodes de gestion des routeurs filtrants*”, **8^{ème} Colloque Francophone sur l'Ingénierie des Protocoles, CFIP'2000**, Toulouse, France, October 2000.

Olivier Paul, Maryline Laurent, Sylvain Gombault, “*A Full bandwidth ATM Firewall*”, **6th European Symposium On Research In Computer Security, ESORICS'2000**, Toulouse, France, October 2000.

Olivier Paul, Maryline Laurent, “*Improving Packet Filters Management through Automatic and Dynamic Schemes*”, **15th IFIP International Conference on Information Security, IFIP/SEC'2000**, Beijing, China, August 2000.

Olivier Paul, “*Improving Network Access Control Integrity through Redundant Mechanisms*”, **15th IFIP International Conference on Information Security, IFIP/SEC'2000**, Beijing, China, August 2000.

Olivier Paul, Maryline Laurent, Sylvain Gombault, “*An Asynchronous Distributed Access Control Architecture For IP Over ATM Networks*”, **15th ACSA/ACM Annual Computer Security Applications Conference, ACSAC'99**, Phoenix, Arizona, December 1999.

Olivier Paul, Maryline Laurent, Sylvain Gombault, “*Comment concilier contrôle d'accès et qualité de service dans les réseaux de type IP sur ATM ?*”, **13^{ème} Congrès De Nouvelles Architectures pour les Communications, DNAC'99**, Paris, France, December 1999.

Olivier Paul, Maryline Laurent, Sylvain Gombault, “*Une architecture de gestion efficace du contrôle d'accès*”, **3^{ème} édition des Journées Doctorales Informatique et Réseaux, JDIR'99**, Evry, France, November 1999.

Olivier Paul, Maryline Laurent, “*An Alternative Access Control Architecture for IP over ATM Networks*”, **4th IFIP Conference on Communications and Multimedia Security CMS'99**, Leuven, Belgium, September 1999.

Maryline Laurent, Olivier Paul, Pierre Rolin, "*Solution SAFE du projet Démosthène : un système de protection des communications sur les réseaux ATM*", **vol 18, no 6 of Technique et Science Informatique**, June 1999.

Maryline Laurent, Olivier Paul, Pierre Rolin, "*Securing Communications over ATM Networks: The Remote ATM Private Networks Interconnection Example*", **no 9-10 of Annals of Telecommunications**, September 1998.

Olivier Paul, Maryline Laurent, Sylvain Gombault, "*Manageable parameters to improve access control in ATM networks*", **5th Workshop of the HP OpenView University Association, HPOVUA'98**, Rennes, France, April 1998.

Maryline Laurent, Olivier Paul, Pierre Rolin, "*Protection des communications sur les réseaux ATM*" (invited presentation), **2^{ème} Colloque Francophone sur la Gestion de REseau et de Service, GRES'97**, St Malo, France, September 1997.

Maryline Laurent, Olivier Paul, Pierre Rolin, "*Une solution de protection des communications sur les réseaux ATM*", **6^{ème} Colloque Francophone sur l'Ingénierie des Protocoles, CFIP'97**, Liège, Belgium, September-October 1997.

Maryline Laurent, Olivier Paul, Pierre Rolin, "*Securing communications over ATM networks*", **4th Workshop of the HP OpenView University Association, HPOVUA'97**, Madrid, Spain, April 1997.

Maryline Laurent, Olivier Paul, Pierre Rolin, "*Securing communications over ATM networks*", **13th IFIP International Conference on Information Security, IFIP/SEC'97**, Copenhagen, Denmark, May 1997.

Olivier Paul "*Conception et implémentation d'un module de sécurité pour les réseaux ATM*", **DEA thesis**, University of Rennes 1, September 1996.

Patents

J. L. Simon, P. Rolin, O. Paul, M. Laurent, S. Gombault. ATM Firewall. **European Patent**. Filed. March 2000.

Languages

French, English, German.

Other scientific activities

Conference Organisation Committee: JDIR'99.
Conference Reviewing Committee: ACSAC'2000.
ACM and ACM SIGSAC member.
IEEE TC on Security and Privacy member.

Other information

Association Treasurer: University of Pau Computer Science Students Association (1994-1995), ENST de Bretagne PhD Student Association (1998-2000).
Private Pilot Licence (1993).
Driver Licence (1992).
Gold medal (clarinet) from the annual Lacq District Music School Competition (1991).