

## Curriculum Vitae of Dr. Patrick ROBERT



Birth: may 7, 1949

### Formation

• Master of physique	Paris VI University	1971
• DEA spatial geophysics	Paris VI University	1972
• Doctorate spatial geophysics	Paris VI University	1974
• UV study of measure and environment	CNAM continuing education	1977

### Career

• Temporary collaborator in CEA (Commissariat à l'Énergie Atomique)	Saclay	01/10/76-31/08/1977
• Research Engineer in CNRS, (Centre National de la Recherche Scientifique), laboratory "Centre de Recherches en Physique de l'Environnement", department "Ondes dans les Plasmas Naturels"	CNET Issy Mx.	01/09/77-14/07/1985
• Head of department Data Computer Processing,	CNET Issy Mx.	14/07/85-31/12/1993
• Representative inter-centre User of CNET Paris-B in Computer Consultation Comity	CNET Issy Mx.	24/10/86-31/12/1993
• Head of department "Informatique Distribuée et Applications", Vélizy "Centre d'étude des Environnements Terrestre et Planétaires"		01/01/94-01/03/2000
• Co-Investigator CLUSTER/STAFF	from 1992	
• Co-Investigator CLUSTER/FGM	from 2001	
• Co-Investigator Double Star /STAFF	from 2005	
• Co-Investigator THEMIS/SCM	from 2007	

### Activities and responsibilities

From 1977 to 1985, I work in CNRS as engineer, mainly on the data processing of satellites GEOS-1 and GEOS-2. After twenty years, I recently archive these data in the "CDPP", the French data centre for plasma physics. From 1985 to 1994, I have been responsible of a data computer processing staff of more than 30 members. In the same time, I was involved in advice activities for the National Centre of Telecommunication Studies.

In 1994, I created and managed until the beginning of 2000 a department "Distributed Computers and Applications" of the CETP, which included more than 16 members, whose 5 engineers. In a general way, I had in charges to define, create and manage an human organisation and a set of technical equipments, allowing to the scientific staff to correctly lead their projects. This work include in a first hand the control of the growing of the network between the 3 places of the laboratory, the control of the workstation and micro-computers, servers and services, and in an other hand the management of the staff in charge of the development of the software for data processing and analysis of different projects of the laboratory.

From the beginning of the year 2000, I entrust to another engineer the management of the computer department, and took again official science activities, never deserted before, by taking on the responsibility of the scientific data processing of the Flux Gate Magnetometer experiment of the 4 CLUSTER spacecraft, where I am Co-investigator. I also work on scientific data processing of the CLUSTER/STAFF experiment (Spatio-Temporal Analysis of Field Fluctuation, a 4 set of tri-axial search coils), where I am too Co-investigator since many years. For this two responsibilities, I also do research activities an development of new technical applications. In 2005, I took the responsibility of the data processing of the STAFF experiment on Double Star probe, very similar to CLUSTER/STAFF.

Lately, I am involved on the data processing and scientific activities on the SCM experiment (Search Coils Magnetometers) of the five Spacecraft of the THEMIS NASA project, launched in February 2007, for substorm studies.

I am author or co-author of 17 papers with reviewing comity, 36 communications with proceedings, 33 technical documents, 43 talks or seminars and 5 posters.