



The University of Provence

A large multi-field university, the University of Provence offers academic programs in arts, humanities, literature and foreign languages, as well as sciences and technologies.

The aim of the University of Provence is to create and share knowledge by means of research projects combined with a high level of education to provide a successful professional insertion of students.

Instrumentation and the PACA region

Since a few decades, the Provence Alpes and Côte d'Azur (PACA) region, has proved to have a strong and diversified potential in industrial activities requiring a working force qualified in areas such as the instrumentation of production processes and hostile environments. The main areas concerned are the petrochemical, steel, aeronautics, maritime, offshore and nuclear industries, the latter highlighted by the presence of the Cadarache research center in the region.

During the last twenty years, engineering, service, and metrology activities have been partially outsourced. These companies represent valuable work opportunities for expert technicians and engineers in the following areas: instrumentation, automatism, metrology, tests, and industrial process control.

After being considered transversal and optional for a long time, Instrumentation is nowadays, the scientific, technological, and economic center of interest which constitutes a strong asset for the forthcoming of the PACA region.

The University plays an important role in this area providing relevant study programs and high level research projects offered in partnership with important institutions and companies located mostly in the region.

As an example, the University of Provence, through the instrumentation department "Filière Instrumentation" and the research chemistry laboratory "Laboratoire Chimie Provence" (University of Provence - National Center for Scientific Research - CNRS) has recently joined the national research program Jules Horowitz irradiation reactor. The purpose of this partnership is to carry out new extreme environment instrumentation systems combining the multi-field competences of partners.




Academic programs

The University of Provence offers a total of 95 academic and professional programs designed according to the European educational system LMD (Licence - Master - Doctorat or Bachelor's-Master's- PHD). Among these, we find the increasing instrumentation academic programs coordinated by the "Filière Instrumentation"; first department within the university to be certified ISO 9001.

The strong interaction of this department with several economic and industrial partners and its collaboration with well known research laboratories allow this instrumentation department to improve its academic programs and to design new ones considering the labor market needs.

These academic plans from Bachelor's to Master's are targeted at both academic and work experienced students which currently represent a flow of 110 students per year (apprentices, students, employees and job seekers).



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Témoignage

Amandine AVOSSA: former student in 2nd year of the Master's « Test Facilities Instrumentation », program managed with the National Institute for Nuclear Science and Technology (INSTN). Her recruitment as an apprentice at the French Atomic Energy Commission (CEA) deals with the partnership agreement between the University and its instrumentation department and the Jules Horowitz Reactor program of CEA signed on December 16th, 2008.





These programs bring a strong value to the recent graduate students willing to integrate the working life: the average rate of professional insertion up to 6 months is higher than 75%.



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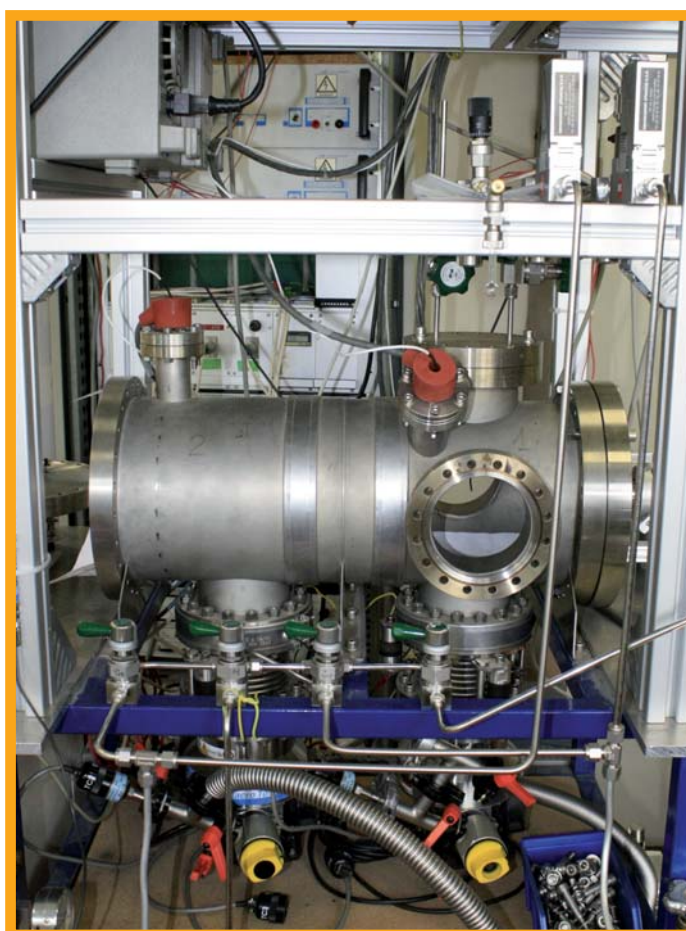
The research projects

With 60 research units internationally recognized, the research work at the University of Provence, in collaboration with important institutions, cover a wide range of subjects. Among these we can find the Mediterranean House of the Social Sciences (Maison Méditerranéenne des Sciences de l'Homme - MMSH), the Observatory of Science of the Universe (Observatoire des Sciences de l'Univers - OAMP), and especially the Carnot STAR Institute where Instrumentation is developed.



The Carnot STAR Institute (Science and Technology for the Application of Research) was founded by 7 laboratories sharing innovation know-how and working as industrial partners. It is reinforced by a wide range of industrial companies and its involvement in a competitiveness cluster, Capenergies for instance.

Its main research subjects are: chemistry, energy and environment, materials, mechanics and processes, microelectronics, micro and nano technologies, information technology and communications, divided in 4 main areas: materials, micro and nanoelectronics, mechanics and energy, systems and information technology. All these research topics are related to instrumentation.



Opening to the World

With 285 partnerships worldwide and almost one thousand students in exchange programs, the University of Provence does have a great experience in international cooperation. Moreover, the international dimension of its diplomas, the education of foreign culture and civilization, and more than 45 languages demonstrate the strong internationalization of the whole activities of the university.