



# Institut Français de Mécanique Avancée IFMA - Clermont-Ferrand

## ● Institution's profile

Founded in 1991 and semi-independent from the Ministry of Education, the Institut de Mécanique Avancée is located in Clermont-Ferrand. The goal of the Institute is to become one of the best in the country. IFMA engineering students earn the maîtrise in the field of mechanical engineering and in the new technologies – electronics, automatic control engineering and information technology. IFMA students are trained to design and build machines, complex systems, industrial equipment and production systems.  
549 students (2003-2004); 44 faculty members

### Major fields of study

#### Three specializations or fields of study:

- 1) Products and structures: knowledge and use of materials, digital methodology and structures, layout and assembly
- 2) Machinery, mechanisms and systems: knowledge and use of materials or control of machines and robots, methodology for innovation and design, layout and assembly, automatic control engineering and process control
- 3) Automated production systems: methods of analysis, design and systematic approach for production systems, management and quality control, automatic control engineering and process control  
PROJECT is required for all three specializations

### Research

#### Research is organized into 3 functional units:

- Le LaRAMA (Laboratoire de Recherche et Applications en Mécaniques Avancée): mechanics and materials, probability mechanics for structures and mechanisms, machinery and systems.
- Le Limos (Laboratoire interétablissements d'informatique, de modélisation et d'optimisation des systèmes) organization and design of production systems, management and running of production systems and quality control in production systems.



Photograph provided by the institution

- Le CTT (Centre de Transfert de Technologie): the institute has its own factory, which gives students the opportunity to practice industrial production techniques and gives industrialists opportunities in CAO-CFAO, metrology, manufacturing, sheet metal, polishing, high speed manufacturing and cutting process.

### Strengths

Foundation IFMA: its goal is to give IFMA and engineering students an opportunity to put into practice what they learn about the industrial world. It is an outstanding partnership between manufacturers and IFMA; students benefit from the partnership in that it prepares them to fulfill the future needs of participating companies.  
Housing: a hundred housing units are reserved for IFMA students.  
Year abroad: optional, some financial help from international programs and from the foundation Année à l'Etranger

### Location

Clermont-Ferrand, Puy de Dôme  
Les Cézeaux, Campus de Clermont-Ferrand, Aubière

Institution's  
website

<http://www.ifma.fr>

## Identity form

Precise name of the institution :	■ IFMA Institut Français de Mécanique Avancée
Type of institution :	■ Public
City where the main campus is situated :	■ Clermont-Ferrand
Number of students :	■ 549
Percentage or number of international students :	■ 22
Type and level of qualifications awarded :	■ Institution-specific Diploma
French language courses for international students :	■ Yes
Study programmes for international students :	■ Yes
Training programmes in English :	■ No
Registration fees for the year (for information only) :	■ 710 € for students without financial aid 115 € for students with financial aid
Postal address :	■ Campus de Clermont-Ferrand - Les Cézeaux - BP 265 - 63175 Aubière Cedex