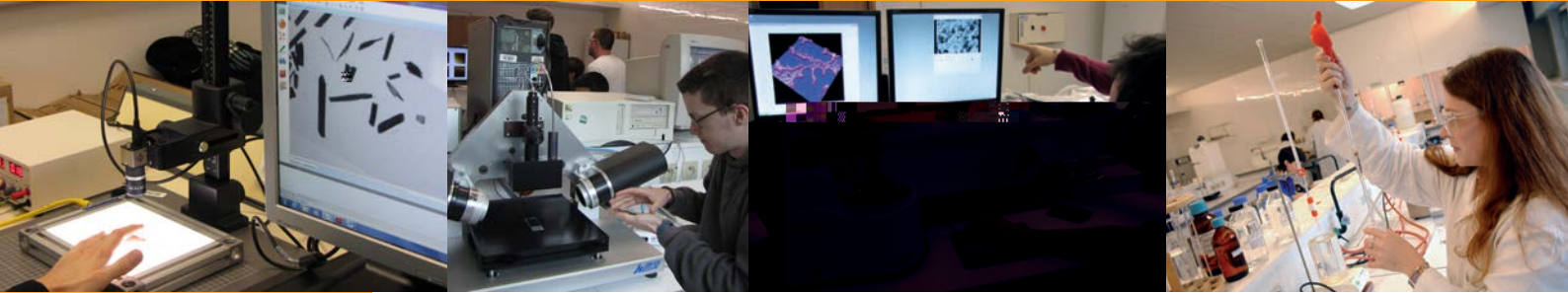




Instrumentation & Measurement Department



SECTORS WHERE OUR STUDENTS CAN WORK

Industrial sectors

- Aeronautics and Space
- Automotive
- Mechanics and Materials
- Electronics
- Optics-Optronics
- Environment

Service sectors

- Measurement and Quality
- Data Processing, Instrumentation
- Research & Development
- Information Technology
- Production
- Engineering

The multidisciplinary course studied by the junior engineer in Instrumentation and Measurement focuses on the measuring chain and scientific and engineering techniques. It opens up possibilities for employment in practically any industrial field and all sorts of businesses.

WHAT STUDENTS LEARN

Fundamental physics (electromagnetism, mechanics, optics, energy and thermodynamics, fluid dynamics), Mathematics and statistics, Electrical and electronic engineering, Materials science and engineering, Physico-chemical analysis, Instrumentation and control engineering, Programming, Data and signal processing, Metrology, Quality control, English, Expression & Communication. The programme also includes a **3-month work placement**.

SOME EXAMPLES OF PREVIOUS ASSIGNMENTS : WHAT OUR STUDENTS COULD DO FOR YOU

Measurement and Quality

- Establishing calibration procedures (as well as verification, periodicity)
- Quantification of margins and uncertainty. Repeatability and reproducibility tests
- Participation in the setting of quality standards, preparing for an audit
- Software development for the various means of testing

R&D-Testing

- Study of different systems using solar energy, material optimization, data processing...
- Nondestructive testing by thermal imaging camera, by eddy currents, by ultrasonics...
- Study of software designed for automatic control systems
- Material testing and analysis

Production

- Defining and checking test procedures
- Analysis of the production cycle
- Nonconformity analysis
- Analysis of energy consumption and savings

ALL THESE ORGANISATIONS HAVE ALREADY TAKEN ON IUT STUDENTS AS INTERNS. WHY NOT YOU?

- ELINTOS MATAVIMO SISTEMOS Ltd, Kaunas, Lithuania
- CNR-IFN U.O.S. CSMFO Lab, Trento, Italy
- CZECH TECHNICAL UNIVERSITY, Prague, Czech Republic
- VALEO CLIMATE CONTROL, Bad Rodach, Germany
- UNIVERSITY OF SAINT-ANDREWS, Saint Andrews, United Kingdom
- DEI – POLITECNICO DI BARI, Bari, Italy

CONTACTS

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