LIRMM

UNIVERSITÉ DE MONTPELLIER

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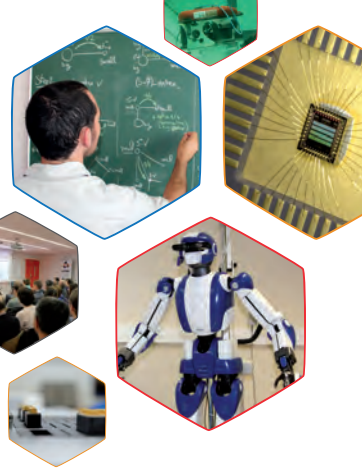

The Montpellier Laboratory of Computer Science, Robotics and Microelectronics (LIRMM) is a joint research unit of the University of Montpellier and the French National Centre for Scientific Research. Its research activities place the LIRMM at the heart of computeur science and engineering and system sciences. Work is carried out in three scientific research departments, themselves organised into teams, assisted by several shared services (research support, management and administration, technical and IT services, logistics, development and communication).

CONTACTS

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Computer science

The department's fourteen teams cover a very broad spectrum of computer science research. Scientific activities are organised around five main themes:

- **Theoretical Computer Science and its Mathematics**
- **Artificial intelligence**
- **Data science**
- **Software science**

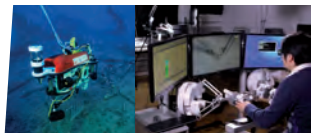
The department's research covers a wide range of fields, including biology and life sciences, health, agriculture, ecology and biodiversity, as well as the humanities and social sciences. The teams have numerous collaborations with the socio-economic sector, including hospitals, start-ups and local, national and international companies.

Head of Computer Science Department
Arnaud Sallaberry *(arnaud.sallaberry@lirmm.fr)*

Robotics

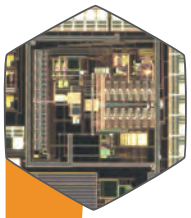
The robotics department's research focuses mainly on industrial, medical, humanoid and underwater robotics. These activities are applied in particular to manufacturing industry, health, the environment, agriculture and humans in their everyday environment.

- **Design**
- **Modelling**
- **Control**
- **Perception**
- **Applications**



In order to design high-performance, safe robots capable of operating autonomously in challenging environments or collaborating in direct physical interaction with humans, the four teams in the robotics department are working on the development and experimental validation of modelling, design, perception and control methods. The overall aim is to encourage the development of fundamental tools and to bring them to fruition and industrial and medical transfer.

Head of Robotics Department
Yassine Haddab *(yassine.haddab@lirmm.fr)*



Microelectronics

The Microelectronics department specialises in finding innovative solutions to embed ever more intelligence and emerging technologies in integrated electronic systems, in order to improve the quality, reliability, adaptability, efficiency (particularly energy efficiency) and safety of these systems.

- **Design of integrated circuits and systems**
- **Test of integrated circuits and systems**
- **Applications**

The Microelectronics department comprises four teams. Their activities have applications in the field of computation systems, embedded systems and communicating objects for the environment, including harsh environments (space, radiation, high temperature) and life.

Head of the Microelectronics Department
Pascal Benoit *(Pascal.Benoit@lirmm.fr)*