

Institute of Intelligent Industrial Technologies and Systems for Advanced Manufacturing



MISSION
Study and develop methodologies and technologies to design sensing and intelligent perceptual systems for decision support in different application domains

- MAIN RESEARCH BRANCHES**
- Artificial and computation intelligence
 - Perception systems for mobile robotics
 - Human activity monitoring
 - Materials and components modelling

METHODS
Artificial Intelligence
Machine Learning
Computer Vision and Pattern Recognition
Data Science
Intelligent Computational Approaches

RESEARCH ACTIVITIES
Data Acquisition
Data Processing
Data Interpretation and Decision Making

APPLICATIONS

Collaborative robotics in dynamic semi-structured and unstructured environments

Autonomous robot navigation, Automation and Logistics

Quality analysis and Diagnostics

Food quality assessment

Phenotyping, Precision agriculture

Marine data science

Sports

Railway

Ambient assisted living, Surveillance

Aerospace

Bioinformatics, Drug design