Institute of Intelligent Industrial Technologies and Systems for Advanced Manufacturing STIMA

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

RESEARCH ACTIVITIES

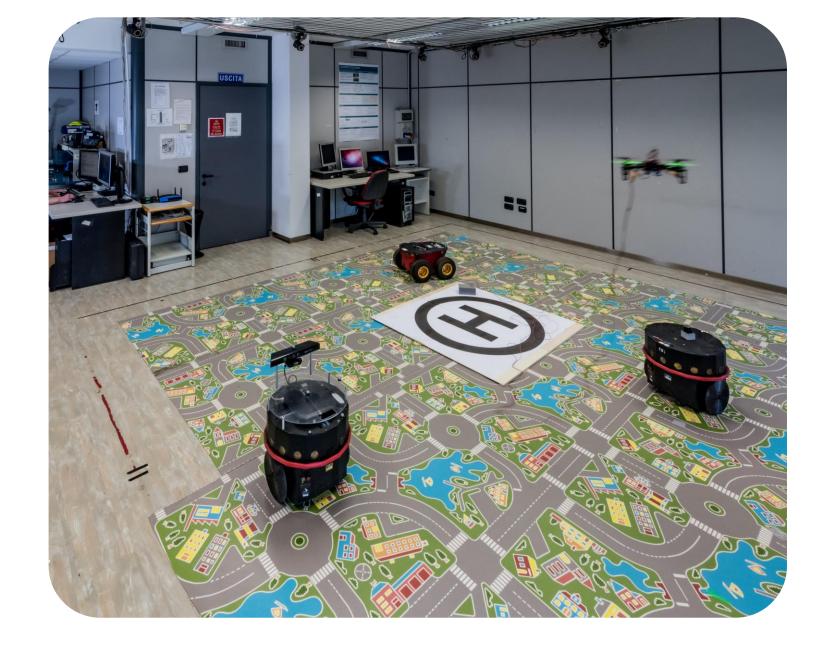
Data Acquisition **Data Processing** Data Interpretation and Decision Making

METHODS

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

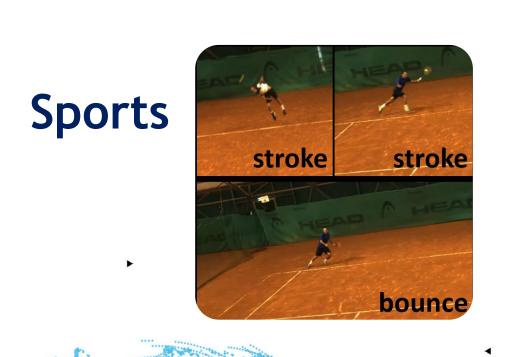
APPLICATIONS

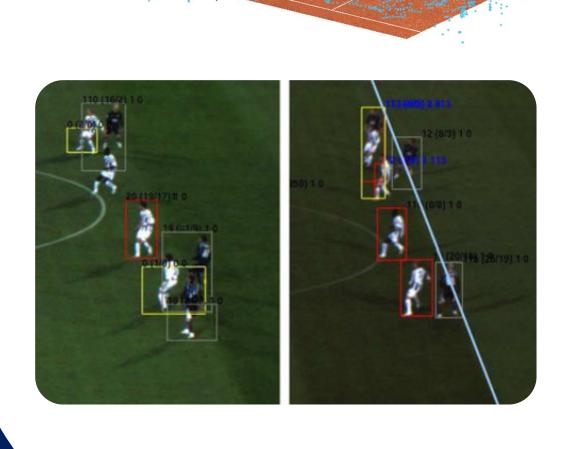
Collaborative robotics in dynamic semistructured and unstructured environments



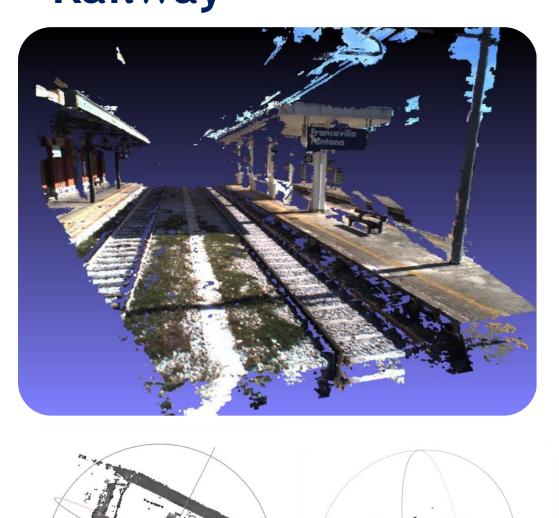
Marine data science

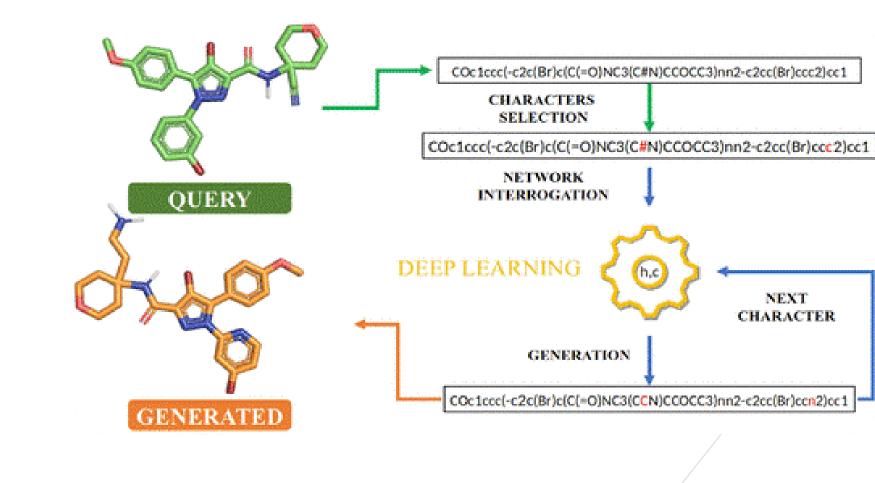






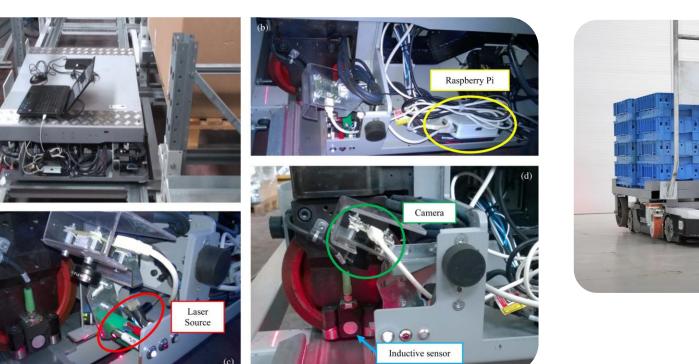
Railway



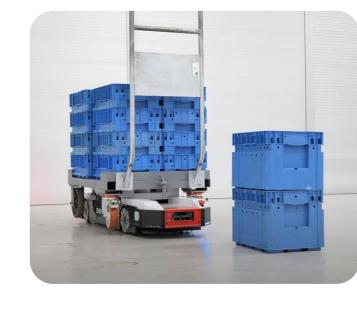


Bioinformatics, Drug design

Autonomous robot navigation, Automation and Logistics



Ambient assisted living, Surveillance

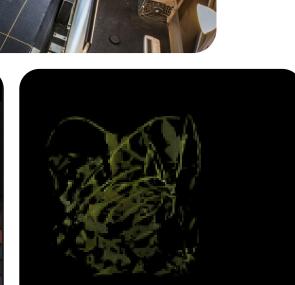






Food quality assessment

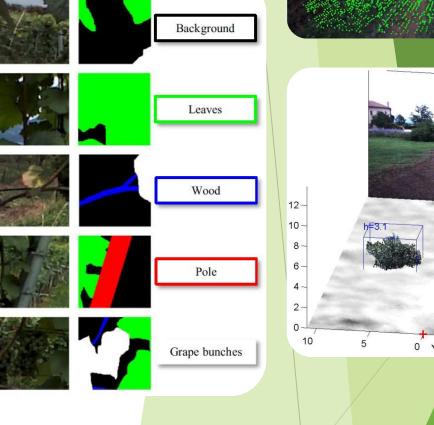




Phenotyping, Precision agriculture







Aerospace





