TEP-237 Robotics, Automatics and Computer Vision Group (GRAV)

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The “Robotics, Automatics and Computer Vision Group (GRAV)” works on researching, developing and implementing advanced technological solutions for addressing complex industrial automation problems by carrying out projects in both the public sphere and in that of technology transfer to companies.

Website for the group

Website for the Robotics, Automatics and Computer Vision Research Group (GRAV)

Research lines

- Control of physical interaction in manipulator robots
- Sensory fusion
- Computer vision applied to quality inspection
- Application of automatic control to olive oil technique and olive cultivation
- Industrial and service automation (inmotics)

Related services and products

- Device for estimating contact forces and torques in industrial manipulator robots and their implementation procedures
- Automatic system for measuring fat yield in olives
- Active binary lighting system
- Adjustable-stiffness torsion spring
- Movement device for robots
- Procedure for identifying materials by means of sensory integration
- Automatic adjustment system of the water-oil interphase outlet in a horizontal centrifugal decanter in the process of producing olive oil
- Traceability control system in the olive oil production process through the identification of olive batches via RFID radiofrequency, and process associated to it
- Defect inspection system in vehicle projection lenses
- Automation of processes
- Robotics
- Automated quality inspection using computer vision
- Control of processes
- Automation of buildings

Spanish website: http://bit.ly/2EH88SQ