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Research interests:

- Artificial Vision
- Autonomous Navigation
- Machine Learning
- Control

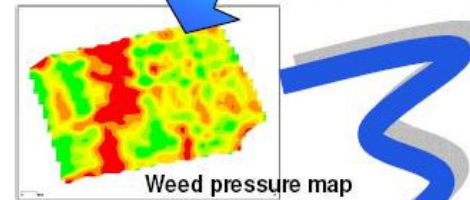
Why spraying all the field with same dosage?



collecting information in the fields.

REAL TIME SAMPLING  
Digital Video camera with GPS

A system that includes a digital video camera and a DGPS for the acquisition and storing of real time videos, during harvesting operations



Autonomous navigation for selective spraying of herbicides

Georeferenced image of the field

Real time weed detection system



DGPS



Artificial vision system

Compass, Pc and Wi-fi communication

Potentiometer for direction control

Treatment bar with 5 independent controllable sections

Control System treatment bar