



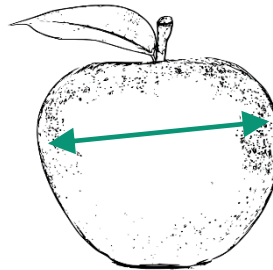
Internship Offer

Measurement techniques for precise fruit-size monitoring

Overview

Research results show that monitoring the size of fruits during growth provides useful information as the basis for growth prediction algorithms. Such predictions can be a useful indicator for the fruit grower to take decisions on the management of orchards, e.g., for optimizing production and fruit size at the time of harvest.

Within the Automation and Mechatronics team, you will be part of a dynamic, young and highly qualified team. You will have the opportunity to implement and evaluate performances of innovative measurement concepts for quick and precise fruit-size monitoring.



Tasks

The tasks of the internship will include:

- a literature review for acquiring basic knowledge on quick and precise fruit-size measurement techniques;
- development of prototypes for evaluating performances of innovative fruit-size measurement concepts;
- comparison of effectiveness, with pro and cons, of the implemented prototypes;
- writing a technical note for summarizing the results.

Depending on the results of the internship, an extension will be possible for a bachelor/master thesis.

Desired skills

We are looking for a passionate, self-driven candidate with background knowledge either in electrical or mechanical engineering. Basic knowledge of embedded electronic systems, C/C++, and Matlab are necessary.

Supervisor:

M.Sc. Andrea Giusti

Duration:

6 months

Research area:

Precision agriculture

Language:

Italian or English

Degrees:

Electrical/Mechanical
Engineering or
Computer Science

How to apply:

Please send us a
motivation letter, your
CV and academic
transcript

For further details, please contact us:

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