



Internship Offer

Development of a Quality Control Unit for a Smart Factory

Overview

The Fraunhofer Italia competence team Automation and Mechatronic Engineering is developing a laboratory-based infrastructure of a smart factory. The laboratory setup shall be representative for an industrial production in the loop. To adapt the complexity of the demonstration scenario to a real case application multiple production and assembly steps, quality control and packaging process steps have to be integrated.

The objective of the internship is to develop a quality control unit, based on a camera vision system, for the smart factory.

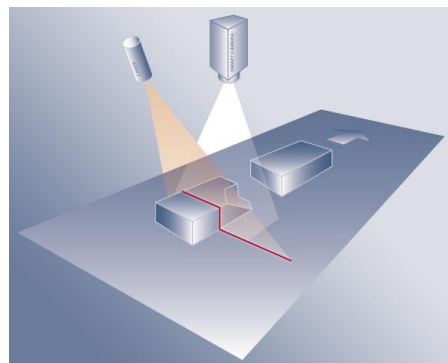
Tasks

The tasks will include:

- getting familiar with the overall project (interfaces, communication network and the requirements of the Fraunhofer Italia smart factory);
- understanding of the requirements, parameters and visual quality characteristics of the product;
- development and evaluation of concepts for the quality control unit;
- choosing necessary equipment which fulfil the defined requirements;
- implementing a software to analyse parameters and visual quality characteristics of the product (dimensions, position, orientation, engravings);
- providing the analysed data in a manner that fulfil the project requirements;
- writing a technical note.

Desired skills

We are looking for a passionate, self-driven candidate with knowledge in image processing. Background knowledge either in electrical engineering or computer science are very much appreciated.



Duration:

3-6 months

Language:

Italian, German or English

Degrees:

Image Processing-Computer Vision (IPCV), Electrical Engineering, Mechatronic Engineering, 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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