

CALL FOR PAPERS

Computer vision is powerful technology that has recently increased for the automatic inspection of food. Typical target applications include sorting, quality estimation from external or internal properties, process monitoring, and evaluation of experimental treatments. The capabilities of computer vision technology exceed the limited human capacity to evaluate long-term processes objectively or to appreciate events that take place outside the visible electromagnetic spectrum and the success strongly depends on a number of factors: sensor type, lighting, type of product, required processing speed, segmentation, recognition and classification strategies, and availability of training data, and so on.

We invite researches to contribute original articles as well as review articles that address a wide range of theoretical and practical issues.

Potential topics include but are not limited to the following:

- ▶ Data mining, segmentation techniques, feature selection, classification at pixel and product level, and so forth
- ▶ Applications of machine vision and image processing for product inspection in the food industry
- ▶ Colour analysis related to the quality or shelf life of the product
- ▶ Food sorting based on colour, texture, size and shape assessment
- ▶ Thermography in the food industry
- ▶ Internal quality assessment of food through X-Ray, CT scanning, or RMN
- ▶ Chemical analysis through hyperspectral or multispectral imaging
- ▶ Real-time image processing for in-line quality control applications
- ▶ Low-cost imaging systems for food quality control

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/jfq/cvfq/>.

Lead Guest Editor

Paolo Napoletano, University of Milano-Bicocca, Milan, Italy
paolo.napoletano@disco.unimib.it

Guest Editors

Raimondo Schettini, University of Milano-Bicocca, Milan, Italy
schettini@disco.unimib.it

Jose Blasco-Ivars, Instituto Valenciano de Investigaciones Agrarias (IVIA), Valencia, Spain
blasco_josiva@gva.es

Mohd Z. Abdullah, Universiti Sains Malaysia, Penang, Malaysia
mza@usm.my

Won Suk Lee, University of Florida, Gainesville, USA
wslee@ufl.edu

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