Image Processing and Sensors for Automation in Handling of Agri-Food Materials

Analyses of images acquired under different spectra of electromagnetic wavelengths provide extrinsic and intrinsic information about samples. This information can be complemented with the output of appropriate sensors. Information from sample images or from sensors or combined together can be used for online monitoring or for process control or both. The presentation will give an overview of different imaging techniques and sensors which can be used for automation in handling of agri-food materials. The presentation will also highlight challenges to be overcome in image processing, sensors development, and automation for such applications.

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School of Engineering Atrium