



Politechnika Wrocławska

Faculty of Computer Science and Management

Field of study: **COMPUTER SCIENCE**

Bachelor Thesis

Simple object state detection using camera image

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keywords:

Image recognition, Computer Vision, Embedded Systems

short summary:

This thesis focuses on the problem of object state detection using camera. Objects are defined as batches of cracked chicken eggs processed by industrial egg cracking machine. A decision is made, whether or not the batch contains damaged egg yolk. If it does, the whole batch is removed from processing line. The system was implemented in embedded environment and tested on exemplary data from RZ-1 industrial machine. System can be used by pharmaceuticals companies that produce medicines from egg white, confectionaries and sport nutrition producers.

Supervisor	Dr. Inż. Wocjeich Lorkiewicz
	Title/ degree/ name and surname	<i>grade</i>	<i>signature</i>

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- a) Category A (perpetual files)
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