TOBCAT: Industrial applications of object categorization. *(Hands-on workshop)*

DATE & LOCATION

Friday **21/02/2014** or Tuesday **11/03/2014** from **9u30**
KU Leuven, Campus De Nayer, **lokaal A212**
Jan Pieter De Nayerlaan 5, 2860 Sint – Katelijne – Waver

The **EAVISE** research group invites you to an interesting and interactive hands-on workshop within the context of the IWT-TETRA project **TOBCAT**: "Industrial applications of object categorization".

Object categorization is a specific form of object detection focussing on a complete object class (e.g. apples) instead of focussing on one specific object. Specific to these new techniques is that they try to cope with the natural variation of products (e.g. color, size, lighting conditions, …). The industry however, still uses classic, less robust techniques like segmentation and template matching. We will start from state-of-the-art techniques from academic computer vision research, which we will offer through this workshop to the compagnies in a easy to understand manner.

With this workshop we want to bring to light the advantages of object categorization. We give you the opportunity to try and discover the created object cateogorisation software and discover by yourself all those advantage one by one!

REGISTRATION

Registration is possible by mailing to steven.puttemans@kuleuven.be
before 7/02/2014. Participation is free for TOBCAT usergroup.
External members pay a fee of 100 EUR (lunch included).

PROGRAM

Time	Activity
09u30	Doors open + coffee
10u00	Welcome & introduction
10u15	A view at the algorithms + introduction to software
11u00	Break
11u15	First hands-on session: object annotation tool and the preprocessing of all the data.
12u30	Meal – hot lunch
13u30	Second hands-on session: a deeper look at the training process,training an object model and testing the resulting object detector
15u00	Break
15u15	Evaluation & questions / highlighting key problems (rotation, clutter, occlusion)
16u00	Closing down the sessions

POSSIBLE APPLICATIONS
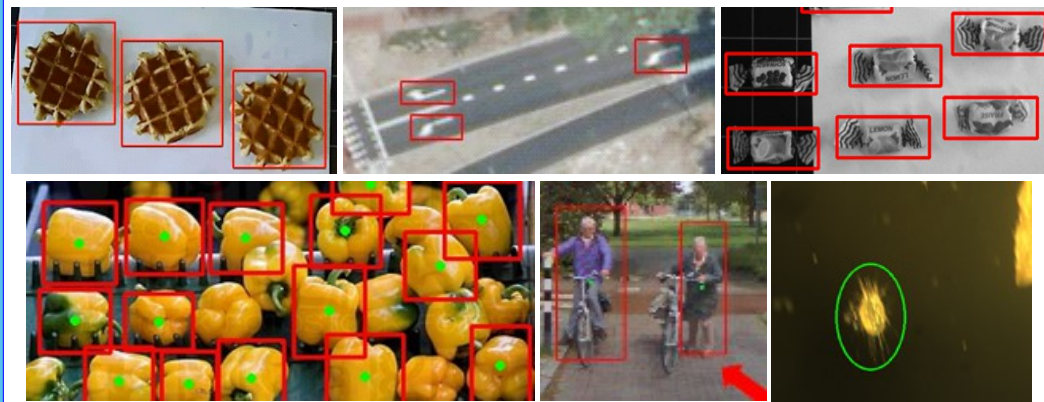
More info on the project: www.eavise.be/tobcat/

KU LEUVEN

TOBCat
Industriële Toepassingen van Objectcategorisatie

EAVISE

EAVISE (**E**mbedded **A**rtificially intelligent **VIS**ion **E**ngineering)
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