

Resumé

Chien-Chen(Calvin) Weng

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Summary

My research field is about **Robotics Navigation**.

- particularly, it is moving object tracking introducing neighboring (object) interaction model and scene interaction model.

Familiar with **Machine Learning**.

- have ever implemented SVM, RealAdaBoost, TreeCascade for detecting objects which are of the same category but with various appearance, such as cars and pedestrians.

Have **Computer Vision** background knowledge.

- learned about vision-based perception issues, which include features, camera model and 3D object shape recovery, from working or taking online courses.
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Work Experience

Product Developer, ACTi Corp., Aug. 2012 - current

- Design image algorithms for surveillance and business service. I am mainly incharge of pedestrian and car detection.
- Support developments of moving object tracking and license plate recognition.
- Complete corresponding applications such as tripwire, forbidden area, incorrect direction detection and crowd analysis.
- Port and maintain algorithm packages under ACTi IVS(Intelligent Video System) framework.

Education

National Taiwan University, Taipei, Taiwan

- M.S., Computer Science and Information Engineering, Sep 2008 - Jan 2012

National Chung Cheng University, Chiayi, Taiwan

- B.S., Computer Science and Information Engineering, Sep 2000 - Jul 2005
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Skills

System Programming : C/C++(Solid)

Data Analysis : Matlab/Octave(Solid), Python

Language : English

Publication

Chien-Chen Weng, Chieh-Chih Wang, Jennifer Healey, A Segmentation and Data Association Annotation System for Laser-based Multi-Target Tracking Evaluation, in Proceedings of the IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM 2012), July 2012. PDF

Kuo-Huei Lin, **Chung-Han Weng**¹ and Chieh-Chih Wang, LIDAR-based Multitarget Tracking using Neighboring Interaction Force Models, in Proceedings of the 24th IPPR Conference on Computer Vision, Graphics and Image Processing (CVGIP), August, 2011.

Interests and Continued learning

Robotics, Machine Learning @Coursera, Computer Vision @CRCV, Android Application

Resume: <http://ccweng.github.io/resume> [PDF]

1. my former name↵