Some students comments from 2014/15

"I think the module is interesting and well taught."

"Interesting topic presented in an accessible way. Would've done my final year project on something vision related had I of not been doing an internship instead next semester."

"Overall I enjoyed this module. I feel like I'm actually learning how to apply things further into this field as it seems to be interesting and technologically relevant. Feedback on assignments is always good, tutorials are run well, lectures are interesting and there is always a useful application with the techniques so we see how and where they are used."

"V Good, competent in lecturing and course structure in a way that is kind of unusual in cs."

"I enjoyed the lecturers approach and enthusiasm to teaching. The module was interesting and gave insights into many real world applications."

Some students comments from 2013/14

"Very good, easily one of the best courses I've ever had during my undergrad degree."

"Perfect combination of lectures/tutorials and assignments. You actually give assignments that are related to what we learn. My favourite module by miles."

"Very interesting, well grounded in real world applications."

"A great module. Well taught & fascinating."

"Very good. Best 4th year course."

Kenneth.Dawson-Howe@cs.tcd.ie


Solving practical problems – now

Example: Tracking for video phone applications ++
Practical problems: Finding landmines

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Augmenting reality: Vision in the Movies

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Can you believe what you see?

© Takeo Kanade, CMU

Dodging the snowflakes...

© Takeo Kanade, CMU
Playing games with vision


The goal of Computer Vision?

Ultimately emulating this…

So, how are we doing?

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Course Presentation

- Problem based learning

- Based on a single text as much as possible.
  - A Practical Introduction to Computer Vision with OpenCV
    by Kenneth Dawson-Howe, Wiley (2014)

- Slides provided in electronic form.

- Course assignments to reinforce concepts.
  - Hands-on experience of computer vision operations.
  - Hands-on experience of coding computer vision operations.

- Application of techniques worked on in group tutorials.

Questions?

- How much maths is involved?
  - According to previous students, half thought there was too much and half felt there should have been more!

- Do I really need to know C++
  - Assignments are done in C++, although you will not be required to develop your own classes.
  - A confident/competent programmer in Java should be capable of picking up the necessary C++.

- Any other questions?
For more information:

Take Computer Vision next year!!

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