Frontiers of Robotics Research – Multimodal-Signal and Information Processing – Week 7 20/04/2022

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Attendance – 374692

Complex interactions among multiple targets

Frequent occlusions

Background clutter

Variable number of targets

Measurement Classification

A common problem with vision detection software is differentiating between real world and images:

* Can tracking by detection be tricked by 2d images such as drawings on posters or bill boards? Or even maniquens? In one of the videos I think I saw the camera pick up a picture of a model in the shopping mall

We have seen some videos of real world detection in process and how you have combated Eliminating false positives… However this has all been in well lit areas and although You showed you can detect silhouettes in a controlled environments..

* I think you talked about this but I couldn’t quite hear, do reflections get counted as people?
* What do the different colours around people mean and what happens if there are too many people per colour ratio?
* For security appliations, How effective Is the detection in poorly lit areas? Will the system only be reliable during the day? Or what about when people are wearing similar coloured clothes like a group of people all in black or white clothes that easily blend together?