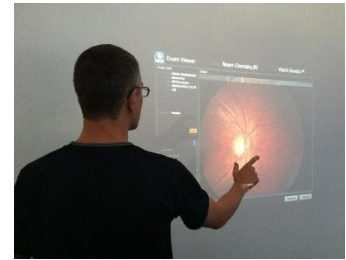


Proposta di tesi-stage



Gesture-based Human Machine Interface



Nidek Technologies offers the opportunity of doing a thesis/stage in collaboration with the Multimedia Technology and Telecommunication laboratory (LTTM).

Nidek Technologies is an R&D branch of a Japanese corporation operating in the ophthalmic field. Our mission is to develop innovative solutions based on advanced technologies.

We are interested in developing a gesture-based Human-Machine interface for controlling an electronic patient chart. Our aim is to identify the appropriate gestures and to perform a usability evaluation of the gesture-based user interface.

The motivated student will develop a prototype to perform the gestured-based control of the image record of an exam (pan, zoom, simple image filters). The gesture interpretation will be performed using Microsoft Kinect; the prototype will be developed in C#/C++.

The student will develop part of the thesis work in close contact with our R&D Department, located at the Nidek Technologies headquarter in Padova.

If you are interested you can contact Dr. Pietro Zanuttigh (zanuttigh@dei.unipd.it)