KTU, Department of Automation: team & projects

dr. Vidas Raudonis

Team

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dr. Vidas Raudonis

- Computer vision
- Artificial intelligence
- Control technologies

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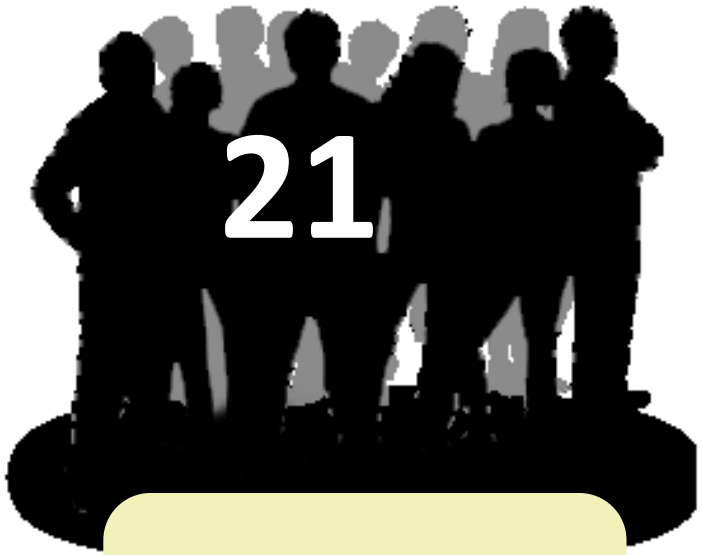
dr. Gintaras Dervinis

- Signal processing
- Fuzzy logic
- Control technologies

gintaras.dervinis@ktu.lt



- Automation
- Robotics solutions
- Transportation

Prof. dr. Arūnas Lipnickas

- Signal processing
- Control technologies
- Artificial intelligence

arunas.lipnickas@ktu.lt

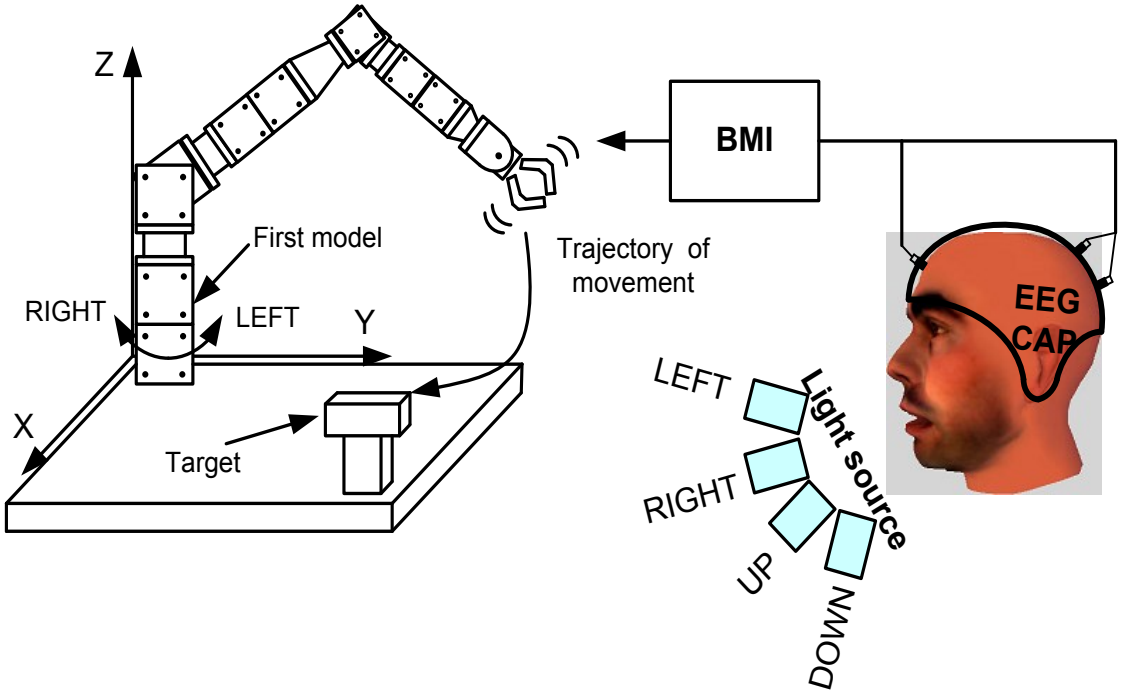
dr. Leonas Balaševičius

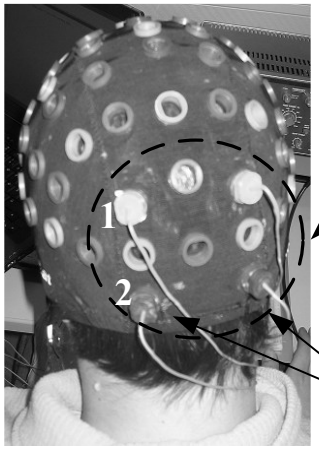
- Signal processing
- Control technologies

leonas.balasevicius@ktu.lt

Projects

Brain computer interface

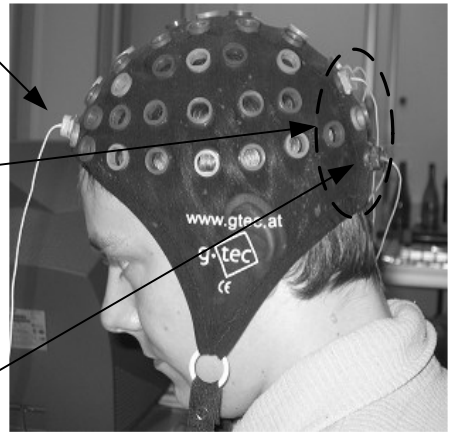




Pagrindinis elektrodas

Regimoji žievė

Elektrodai matavimams



Eye gaze-based control

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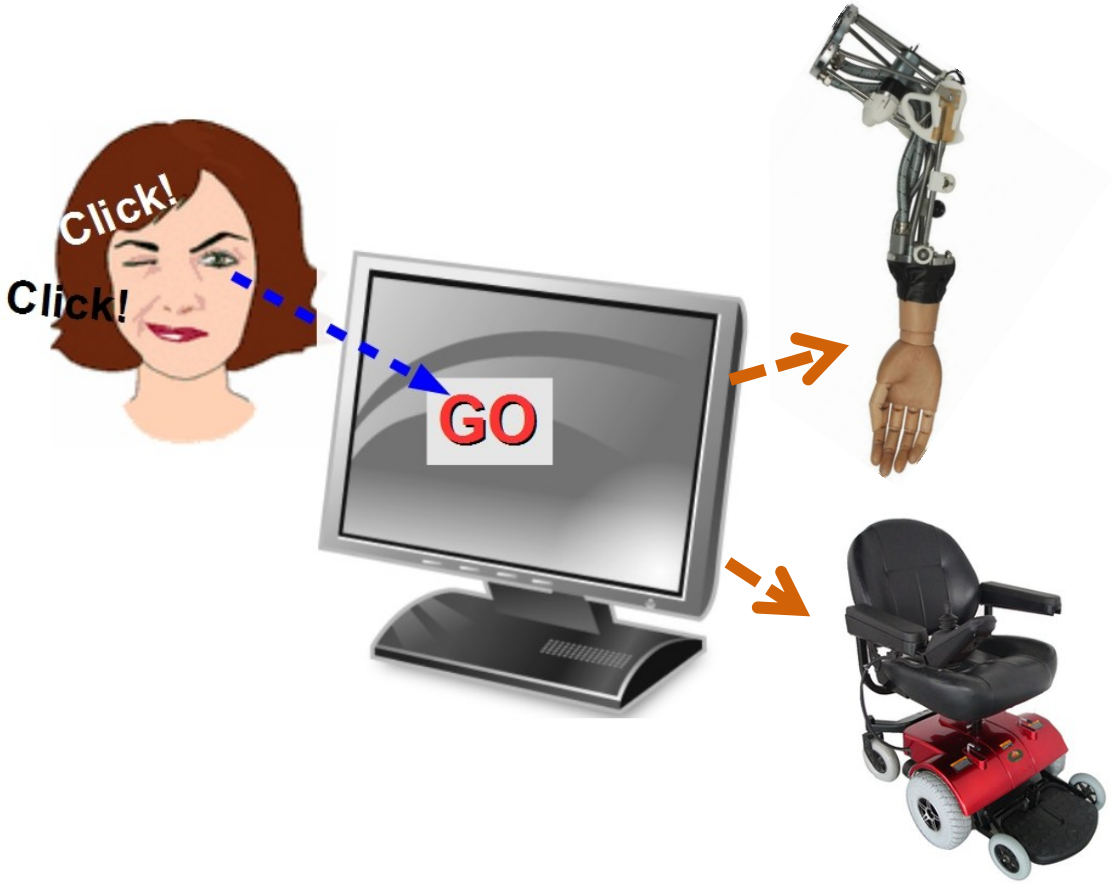

https://youtu.be/PdAM7Hyd5jo

Sorting machines

PET sorting

Amber sorting

https://www.youtube.com/watch?v=UcB2-fl2hqc
https://www.youtube.com/watch?v=qW25NyNF6-g

Investigation of embryo development

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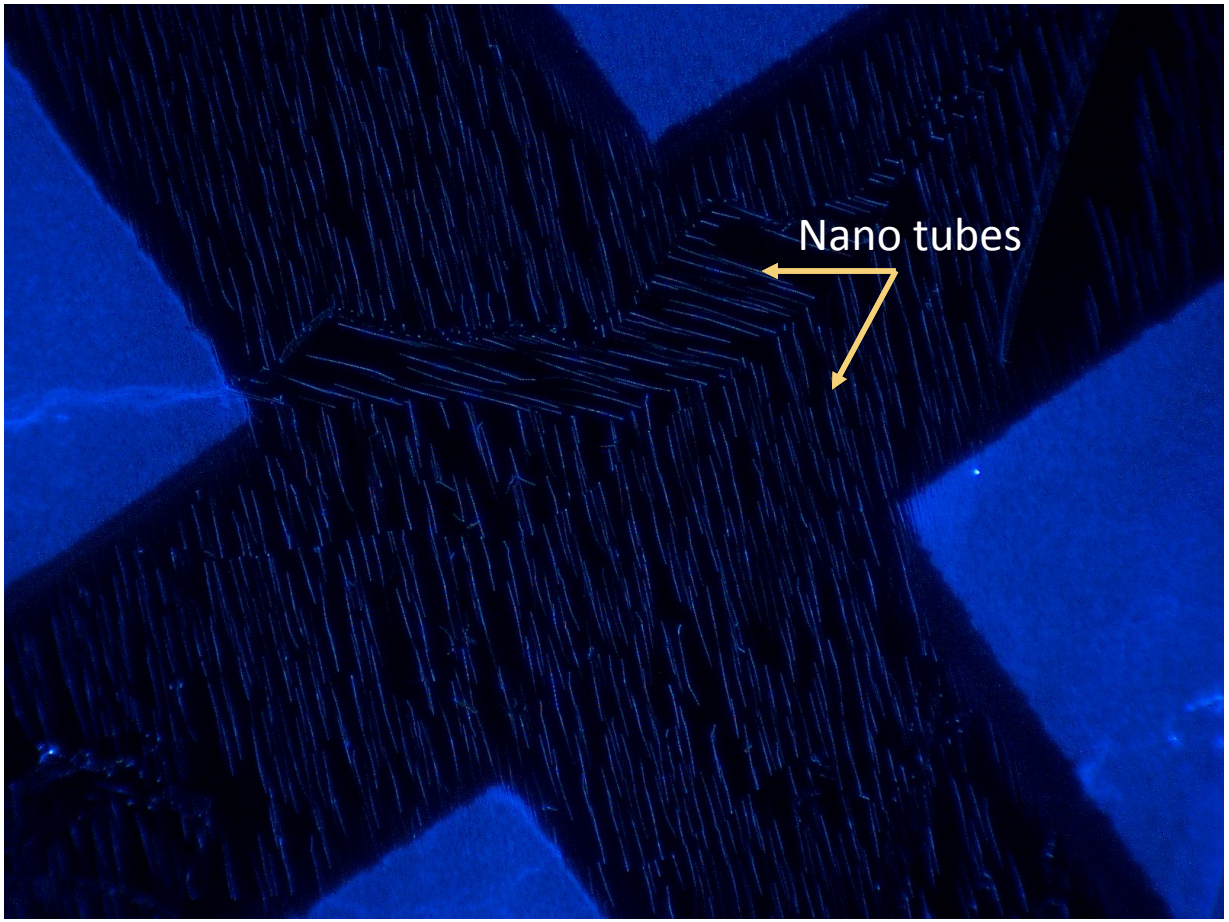
Early stage embryo development

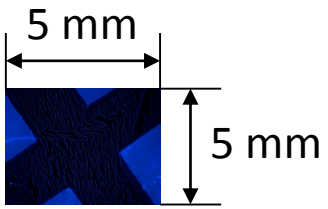
0d....

.... 4-5d.

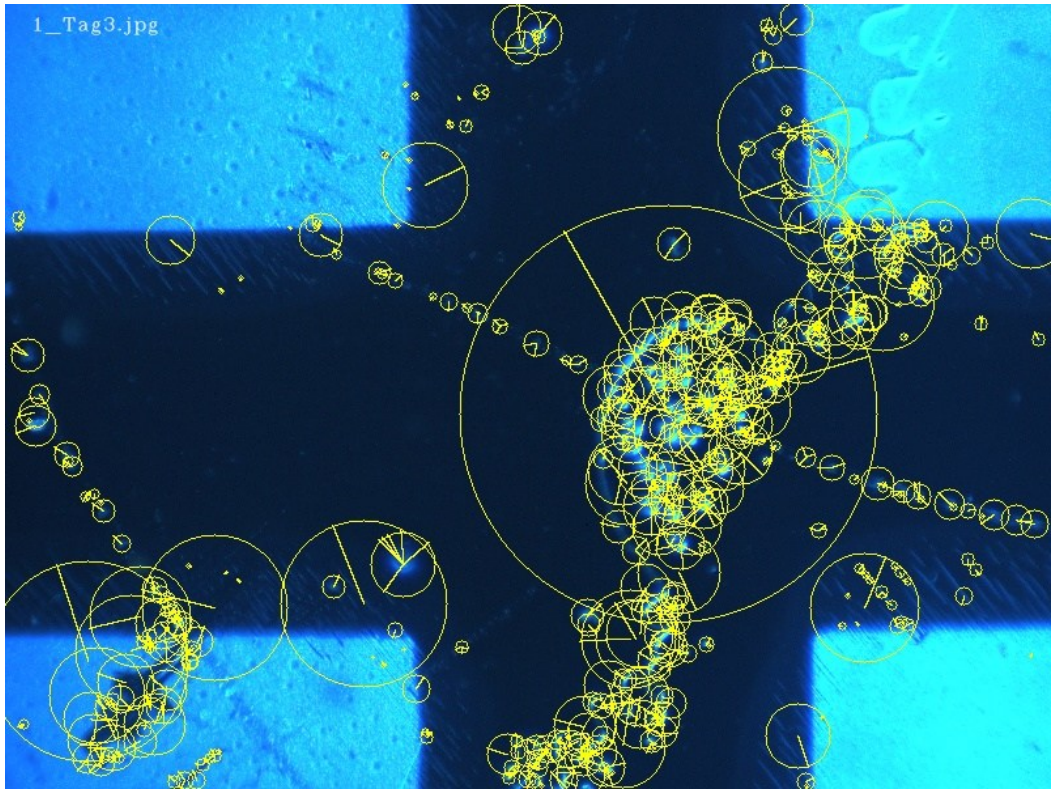
Nano tags recognition sofware

NANO TAG

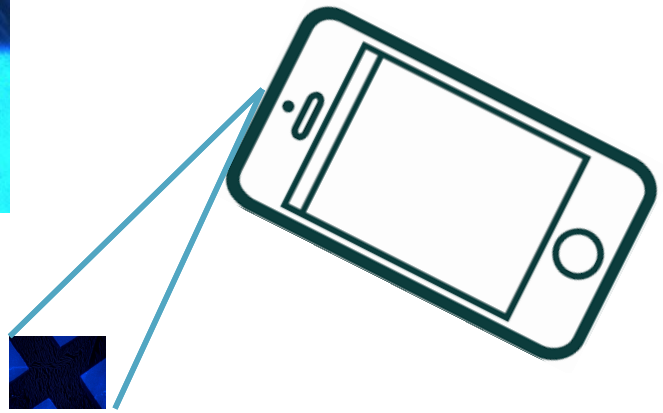




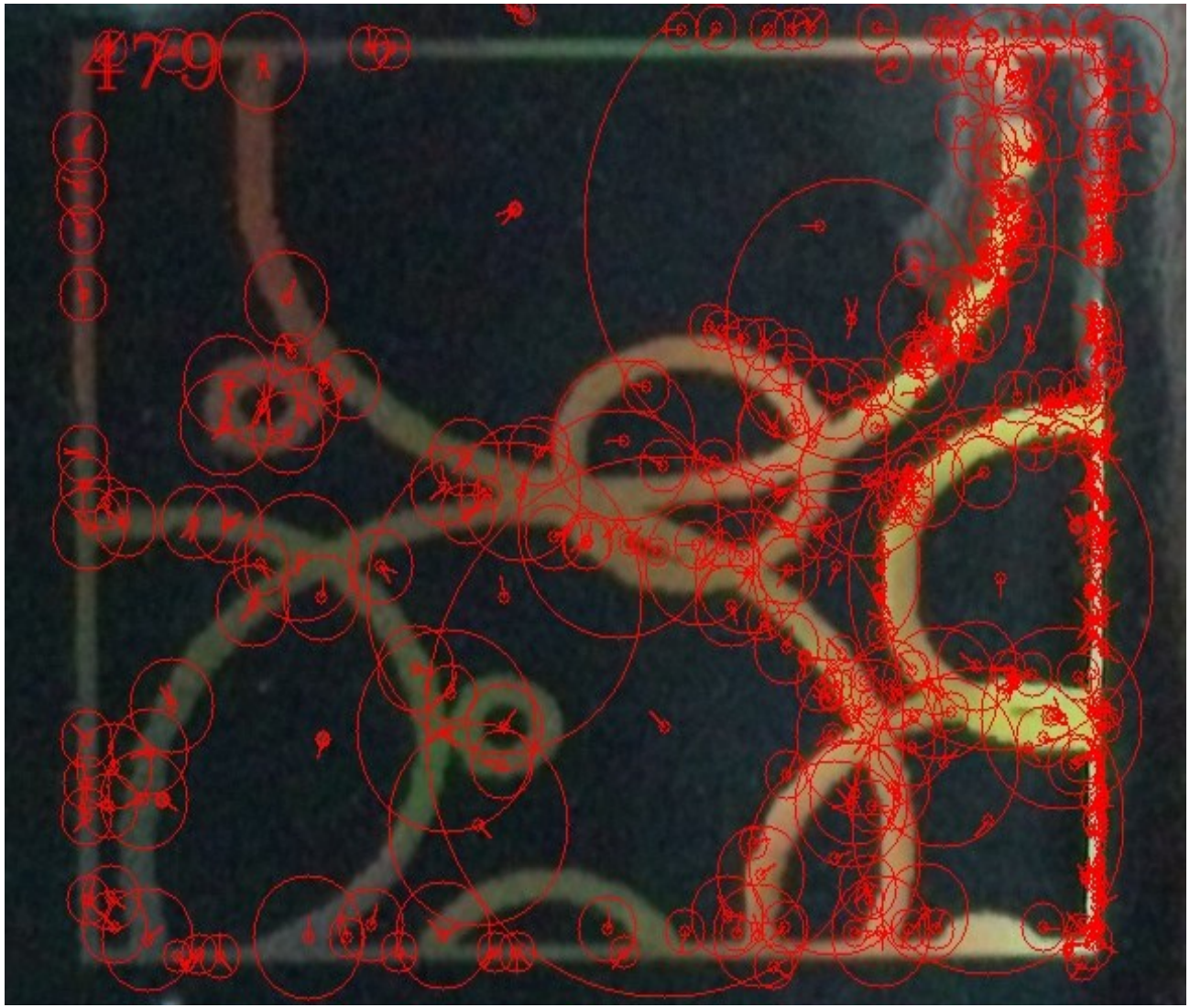
Nano tags recognition system



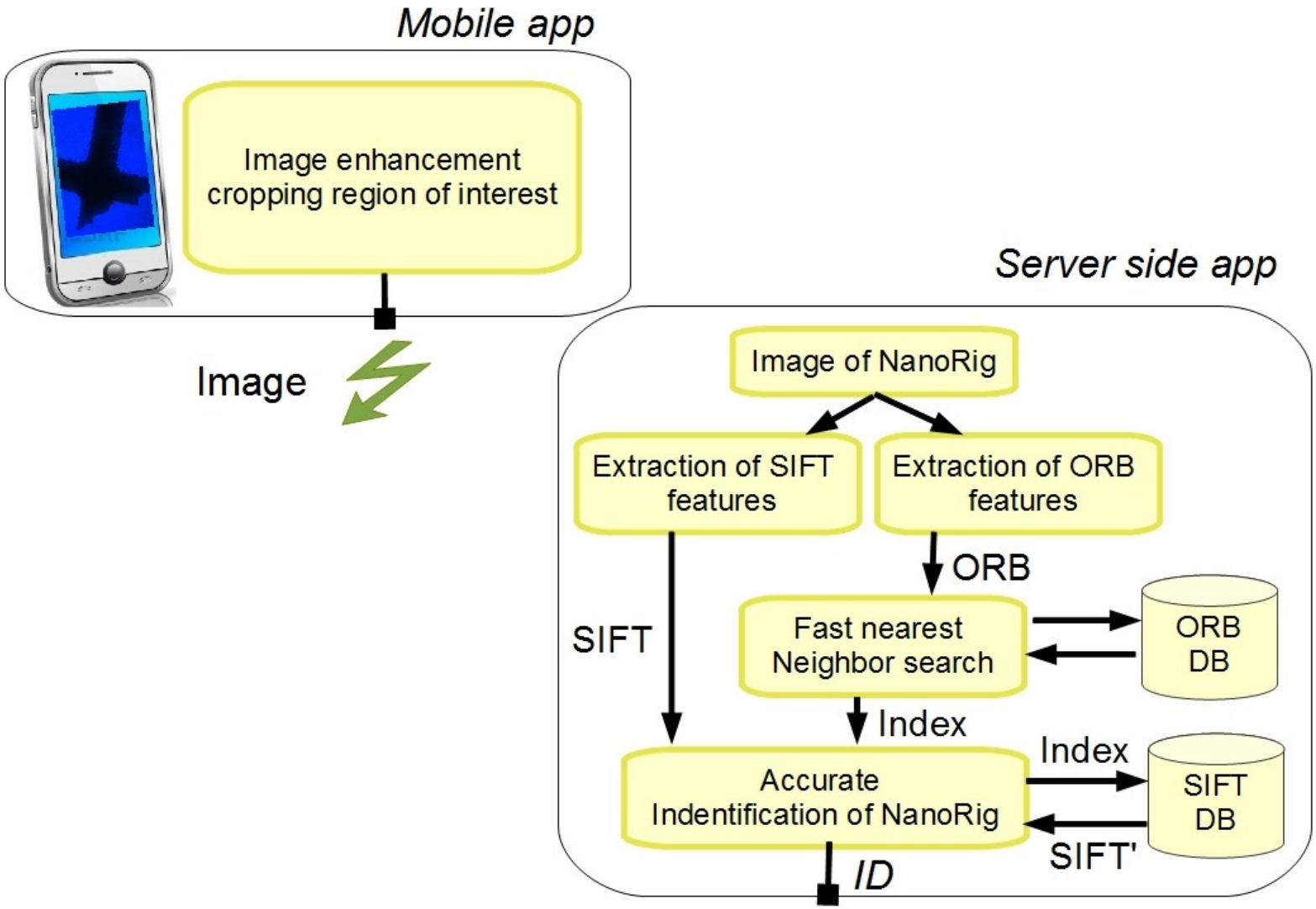
Phone based app, which identifies unique tag based on image features



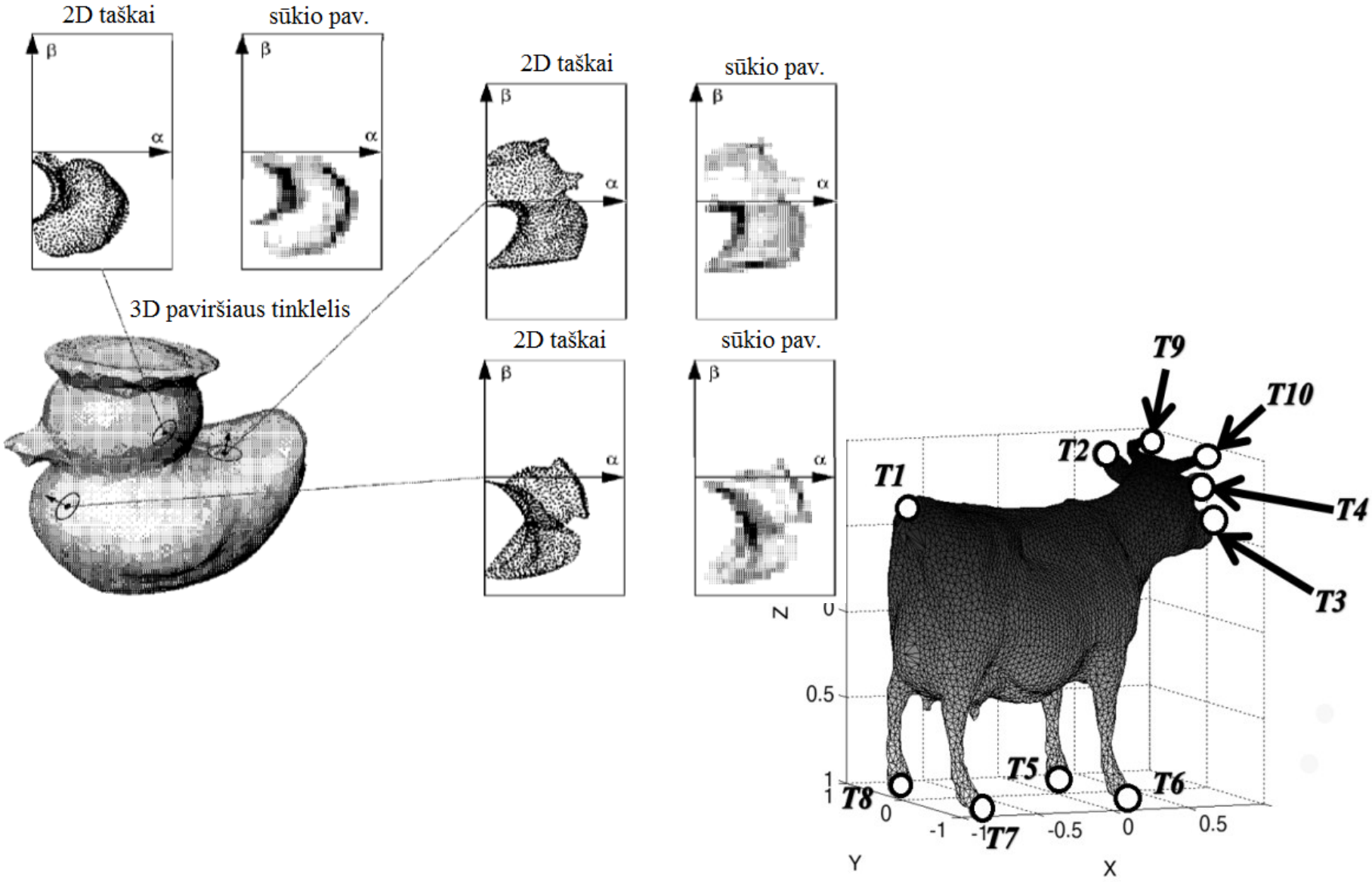
Holographic tags



System of ID identification



3D object recognition



Gesture recognition

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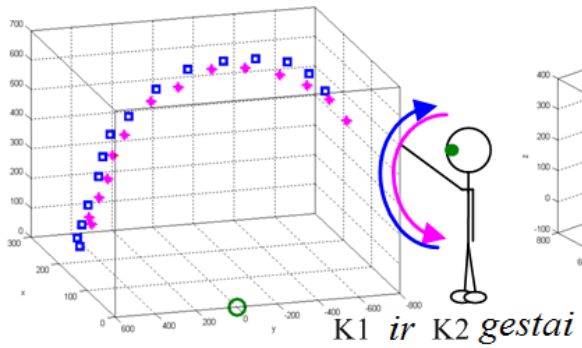
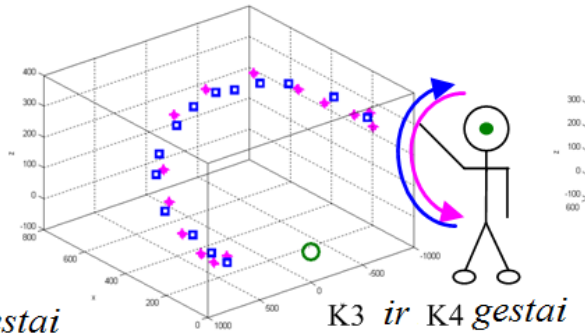
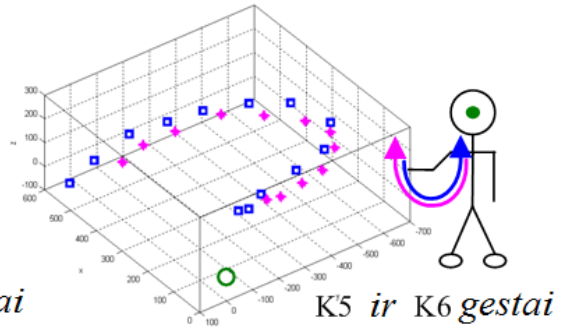


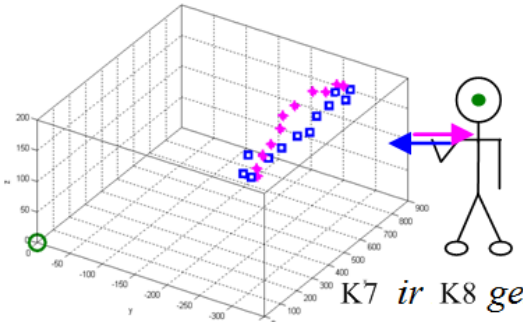
K1 *ir* K2 *gestai*



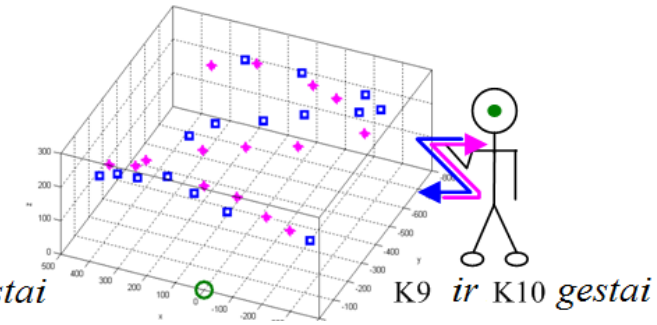
K3 *ir* K4 *gestai*



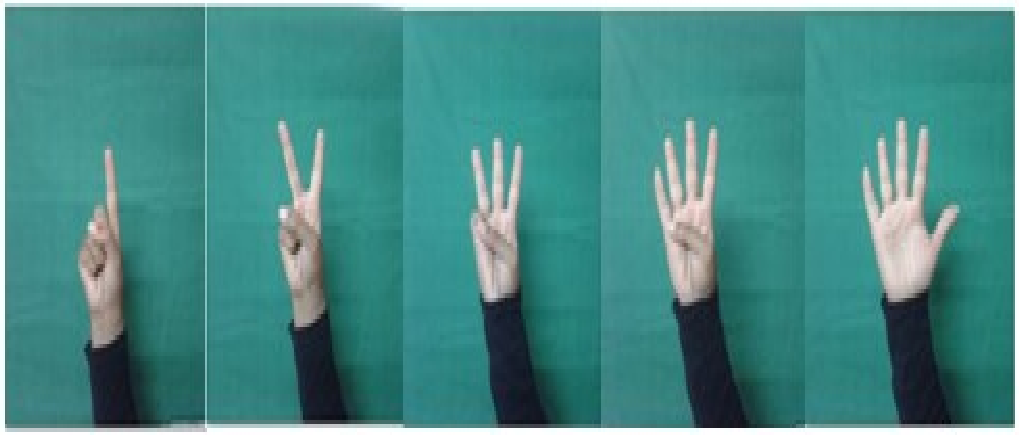
K5 *ir* K6 *gestai*



K7 *ir* K8 *gestai*



K9 *ir* K10 *gestai*



Analytic advertisement stand

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www.persimonas.com

Analytic advertisement stand

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Detects a human face, recognize a sex and age of detected human