



Robotic Research at UACH

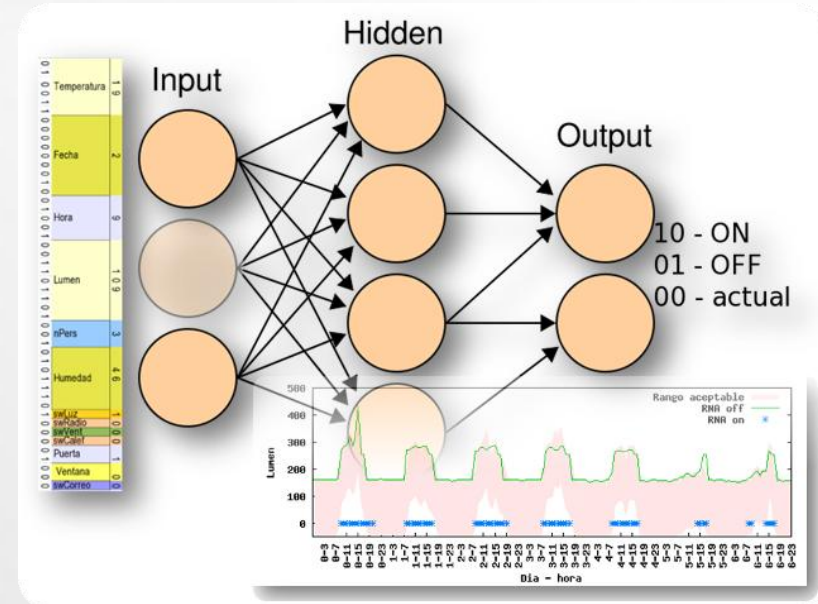
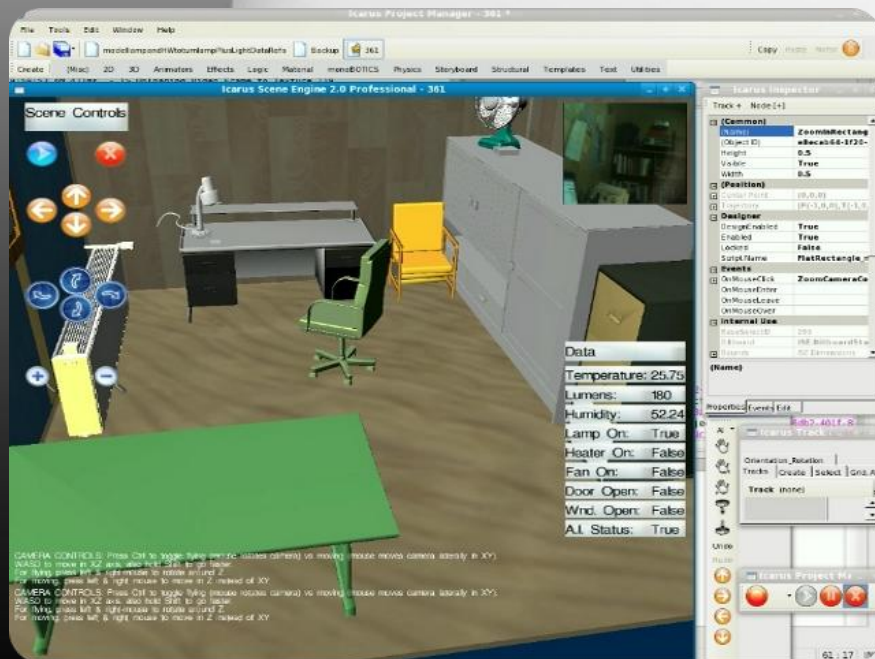
R.E.A.L

Robotic & Environmental Algorithms Laboratory



I.A Artificial Intelligence & Domotics

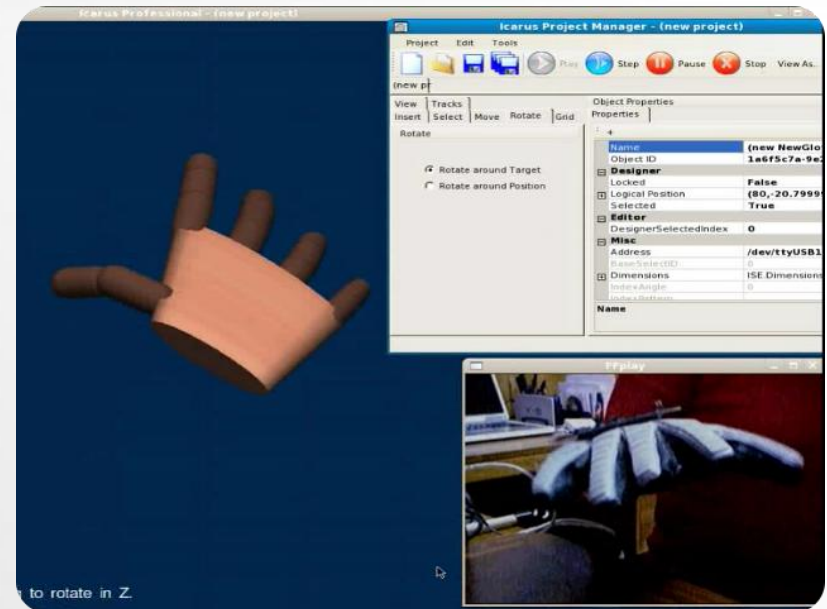
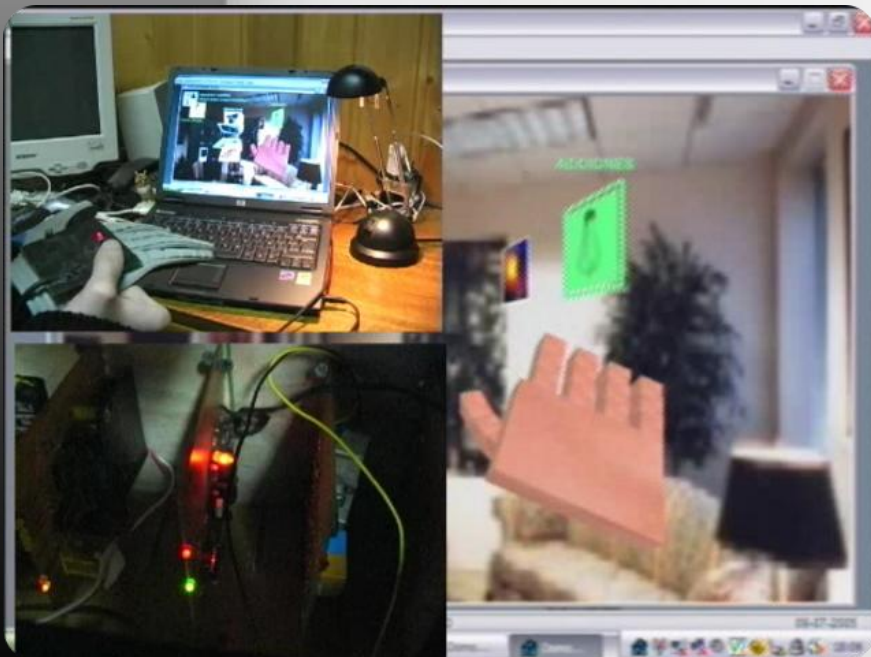
- Neuronal Networks for home/office automation



- Icarus+monoBOTICS as Frontend and automation library

Virtual Reality

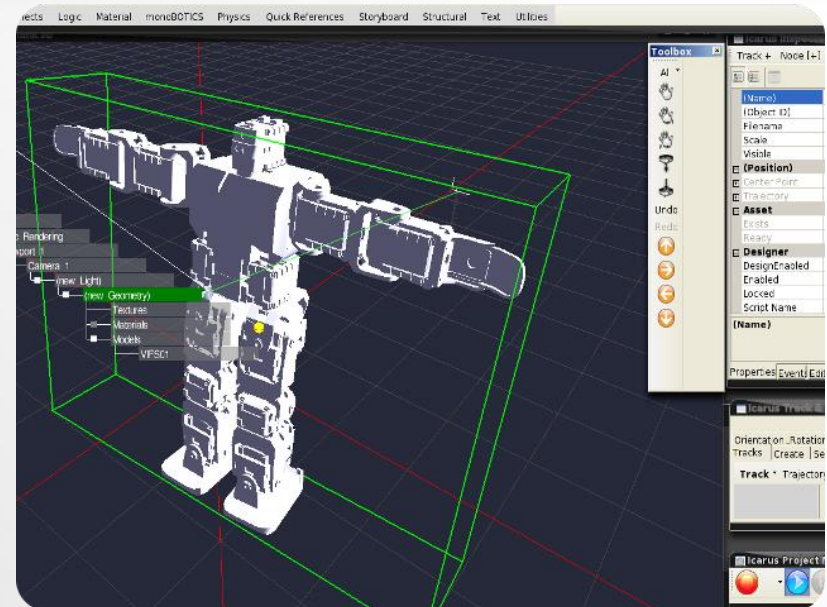
- Virtual Reality Dataglove



- As virtual interface for domotics environments

Humanoid Robotics (1/2)

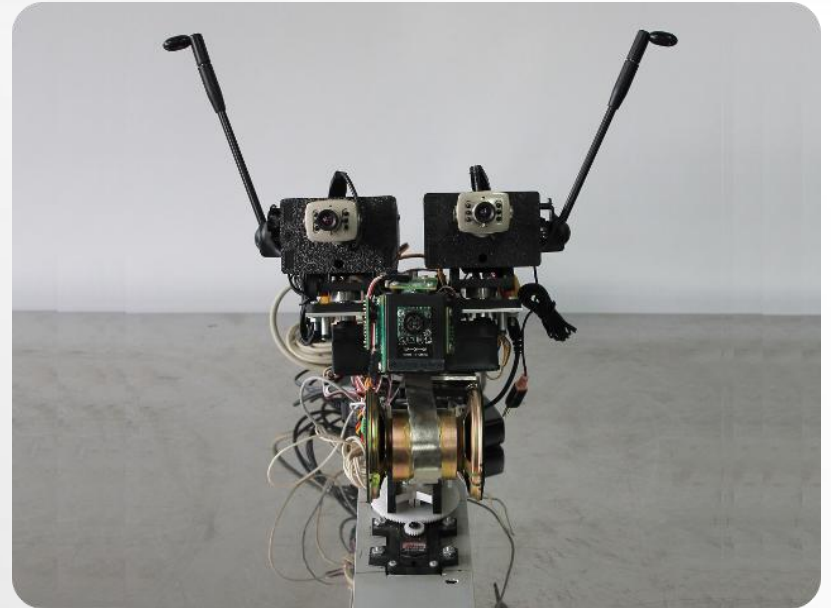
- Direct and Inverse Kinematics



- Bioloid Humanoid Robot Kit

Humanoid Robotics (2/2)

- HAL0003
Head Abstraction Layer



- Ultrasonic, temperature, humidity, light, sensors...

Exploration Robot Vehicles (1/3)

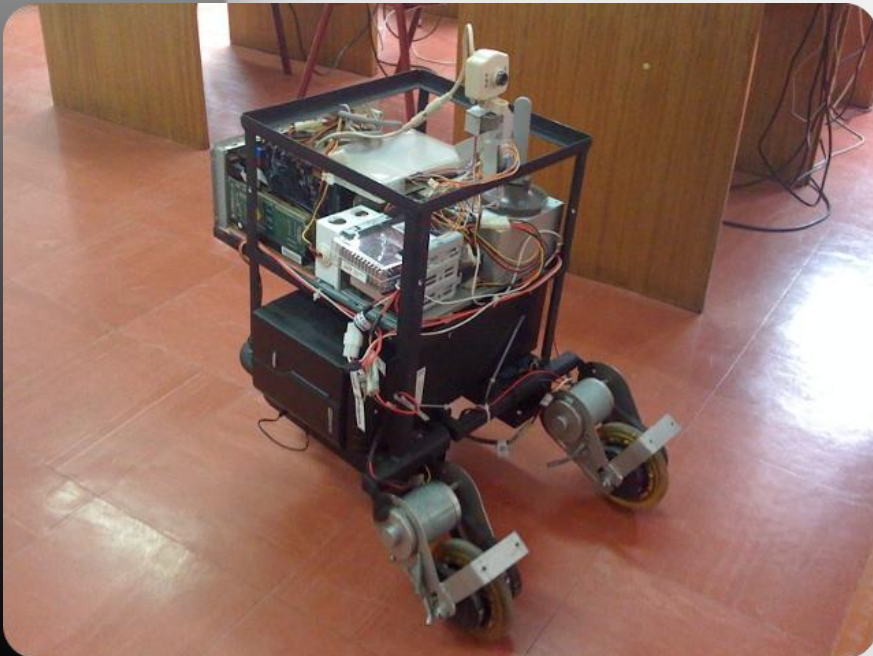
- BigFoot, raw terrain exploration platform



- 3D cloud map reconstruction

Exploration Robot Vehicles (2/3)

- NetBots



- PcBot v1 (A.K.A: Matusalen)

Exploration Robot Vehicles (3/3)

- Dandelion

*1st Chilean Moon Rover
Prototype*



- Rhexalion



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<http://www.real.ic.uach.cl>

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