



Domotic House

Large experimental space reproducing the scenery of an apartment with an open roof. The environment is supplied with furniture amidst which various robots can navigate and execute daily tasks. The apartment is equipped with various sensors including a motion capture system for studying and experimenting human-robot interaction scenarios.

Key Features

- The surface is covered with MOCAP
- Four rooms separated by walls with open roof, supplied with furniture
- Pre-installed cabling paths to enable easy deployment of sensors

Possible Applications

- Ambient Intelligence
- Assistive and Interactive Robotics
- Personal Robotics, Robot Companion
- Human-Robot collaboration, cognitive robotics
- Service Robotics



Access information

Corresponding infrastructure	Centre national de la recherche scientifique The Department of Robotics of LAAS
Location	7 Avenue du Colonel Roche, 31400 Toulouse, France
Unit of access	Working day

Technical specifications

Tracking Cameras	CDD
MOCAP	Optitrack, 14 high-resolution infrared cameras
Superficy	120m2

Additional information

<https://www.laas.fr/public/en/robots-platform>