GRUPPO TELECOM ITALIA

Joint Open Lab and PhD proposal

Politecnico di Torino

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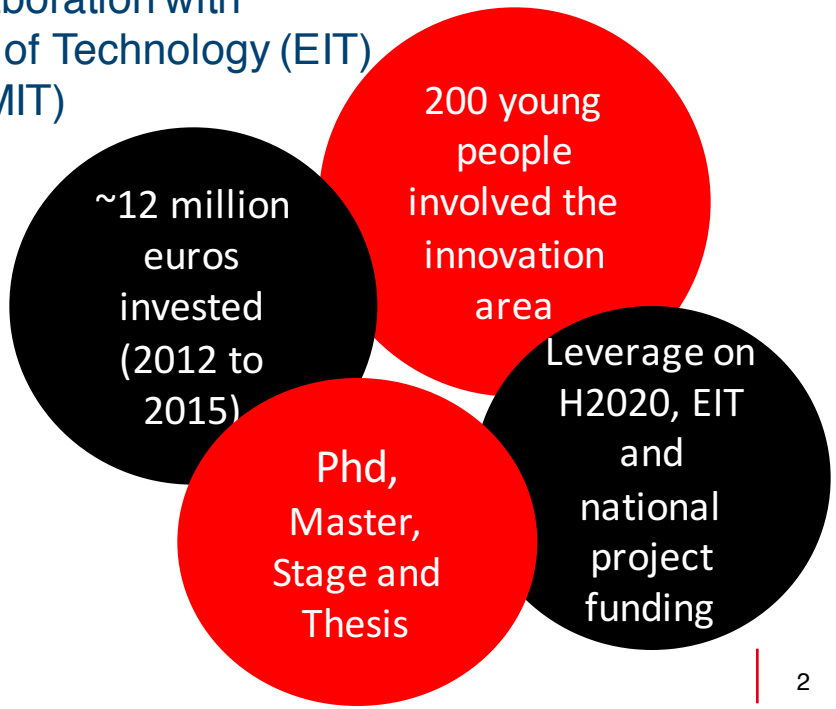
Joint Open Lab : Project at a glance

Joint Open Labs are research and innovation laboratories set up within university centres, as a result of partnerships and agreements between Telecom Italia and the major Italian universities in specific fields of scientific and technological interest.

JOLs in brief:

- 5 universities involved in the first phase (Polytechnic University of Turin, Polytechnic University of Milan, Trento University, Sant'Anna School of Advanced Studies in Pisa and Catania University)
- Interdisciplinary teams focusing on university areas of excellence
- "Open" research at international level in collaboration with organisations such as the European Institute of Technology (EIT) and Massachusetts Institute of Technology (MIT)

8 JOLs
within 5 Italian universities of excellence



Telecom Italia and universities

POLITECNICO DI TORINO

CRAB

Connected Robotics Applications Lab

Robotics

SWARM

Beyond the Internet of Things

Internet of Things

VISIBLE

Video and Image Analysis Lab

Multimedia

MobiLAB

Mobile Social Applications Lab

Mobile Social Platforms

POLITECNICO DI MILANO

S-Cube

Smart Social Spaces Lab

Smart Social Spaces

UNIVERSITÀ DEGLI STUDI DI TRENTO

SKIL

Semantics & Knowledge Innovation Lab

Semantics & Big Data

Scuola Superiore Sant'Anna di Studi Universitari e di Perfezionamento

WHITE

Wellbeing and Health Innovative Technologies Lab

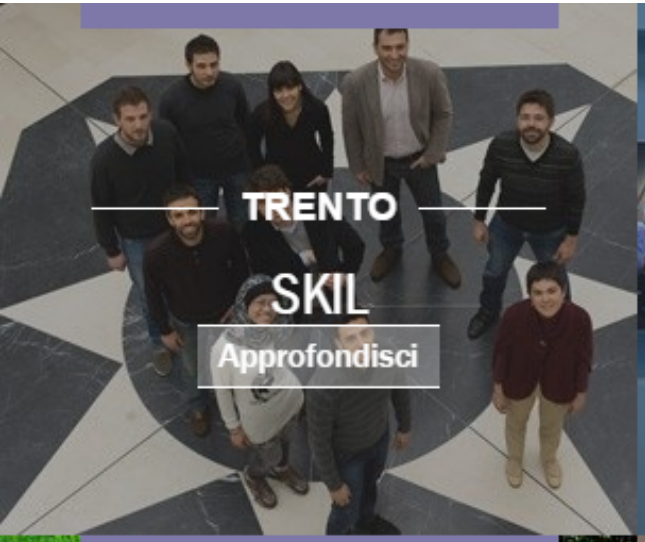
E-Health and Wellbeing

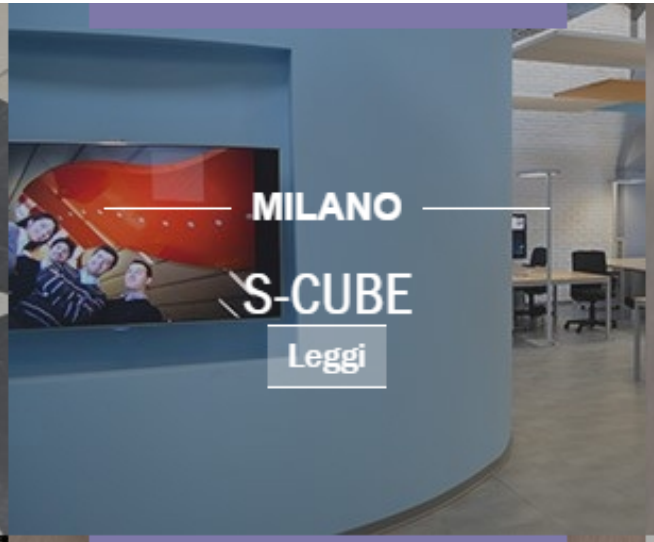
UNIVERSITÀ di CATANIA

WAVE

Wireless Applications in multi-deVice Ecosystems

Mobile devices Lab


TRENTO
SKIL
Approfondisci


MILANO
S-CUBE
Leggi

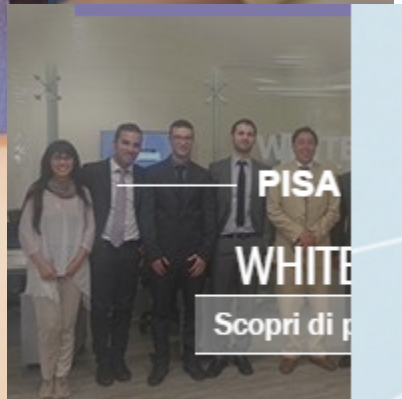
TORINO
VISIBLE
Leggi

CATANIA
WAVE
Scopri

TORINO
SWARM
Approfondisci

TORINO
MOBILAB
Approfondisci

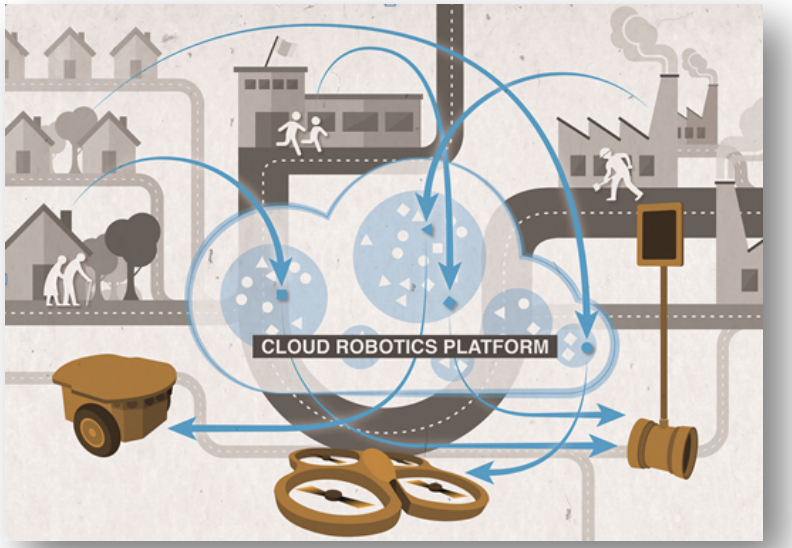
JOL CRAB: la casa dei robot
...ma non solo

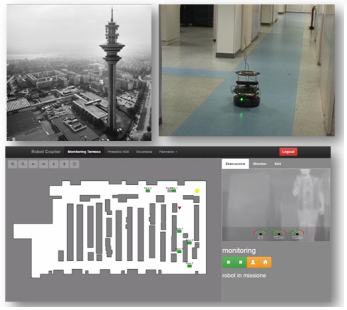

PISA
WHITE
Scopri di p

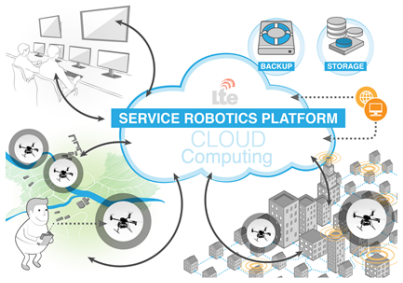
JOL CRAB – Connected Robotics Applications laB

Mission:

Investigation of technologies and **development of service concepts** where the focus is mainly placed on the **relationship between robots and the cloud computing**, addressing issues arising from the use of robotic services in domestic and enterprise environments not only of technological, legal, economical, sociological or psychological nature, but also related to ergonomics, cognitive perception, and relational experience **exploiting the assets** of Telecom Italia such us the broadband connectivity (eg 4G-LTE) and the Cloud Computing Infrastructure.







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MobiLAB Joint Open Lab

Torino

MobiLAB – App Crafting

General overview JOL MobiLAB and open positions

Marco MARENGO

TELECOM ITALIA | TIM

JOL JOINTOPENLAB

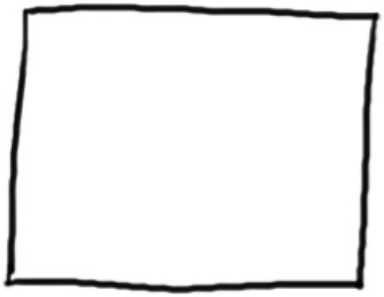
MobiLAB
Mobile Social Application Lab
JOINTOPENLAB
TELECOM ITALIA

JOL MobiLAB: Activities

GAMESTORMING

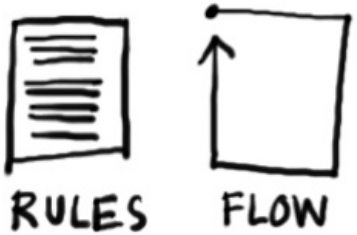
PLAYERS

STICKY NOTES
INDEX CARDS
(WHATEVER)



WHITE BOARD
(WORLD)

MAKING FLOW



RULES FLOW

BREAKING FLOW

SHUFFLING

ABC 3G 08:29 AM
Cinema Times
Location
city, town, postcode, or zip
Get times for
Today
or
Tomorrow
ABC 3G 08:38 AM
search
LS1
Hyde Park Picture House
Showcase Cinemas
Cineworld
Vue
Odeon
Odeon Harrogate
Cineworld Bradford
ABC 3G 08:41 AM
LS1
Showcase Cinemas
Gelderd Rd, Leeds, WF17 9RQ, UK
Angels & Demons
2hr 18min - Rated 12A - Adventu
13:00
16:00
19:00
21:55
Star Trek
2hr 6min - Rated 12A - Action/A

Edit profile
Messages
Settings
Statistics
Refresh
AppScreens
Mockup
Switches + Slider
Switch Off
Switch On
Slider
1504
628
Kira Williams
photographer
Monthly Stats
+62%
+14%
22
July
18
July
Posts
Magna aliqua
Duis aute
Follow
John Williams
Anna Torres
Troy Duglas

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Swarm Joint Open Lab

Torino

Swarm Joint Open Lab - Beyond the Internet of Things

General overview JOL Swarm and open positions

JOL

JOINTOPENLAB

SWARM

Beyond the Internet of Things

JOINTOPENLAB

TELECOM ITALIA

Claudio BOREAN

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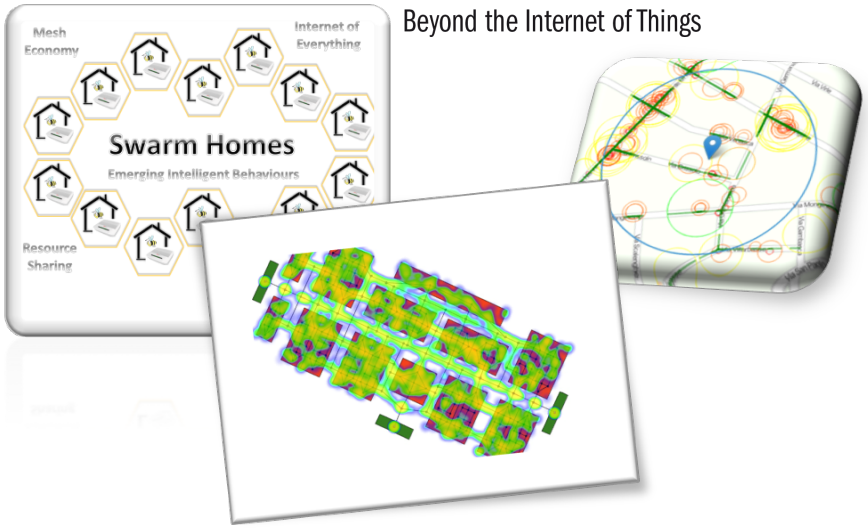
JOL SWARM

SWARM
Beyond the Internet of Things



Lab: Beyond the Internet of things (IoT)

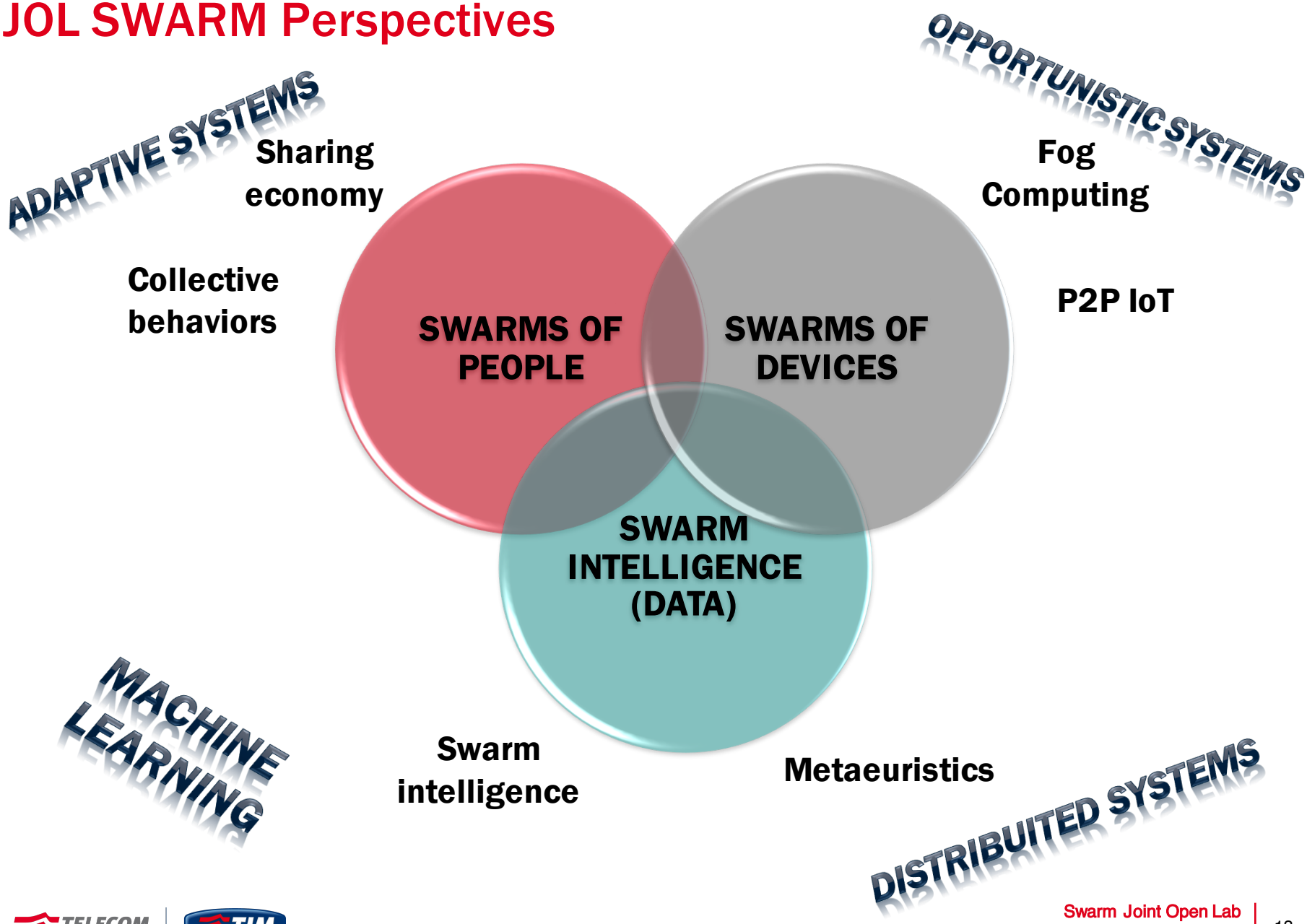
Areas: Internet of everything and distributed systems to enable new services

SWARM Joint Open Lab studies and design innovative services leveraging on the interactions of a multitude ("**swarm**") of **people**, **things**, **data**, **places**, and on the competitive assets of the **telco operator**. New service concepts and new technologies based on complex adaptive systems (**swarms**) are explored and developed.

AREAS: SWARM INTELLIGENCE, INTERNET OF THINGS, COOPERATIVE APPLICATIONS

For PhD, THESIS of INTERNSHIP just google «JOL SWARM»

JOL SWARM Perspectives



GRUPPO TELECOM ITALIA

JOL VISIBLE

JOINTOPENLAB

Overview and PhD proposals

Gianluca Francini

TELECOM ITALIA | TIM

JOL VISIBLE

Overview

Lab: Multimedia, video and image analysis

Areas: Visual Intelligence, Big Data

Video and images make up the overwhelming majority of all data that is acquired, produced, transmitted and stored every day. VISIBLE develops algorithms and techniques for implementing **visual intelligence**: systems that integrate different methods able to learn from, discover meaning in, and reason about visual data.

JOL VISIBLE

Main research topics

Object identification

MPEG Compact Descriptors for Visual Search

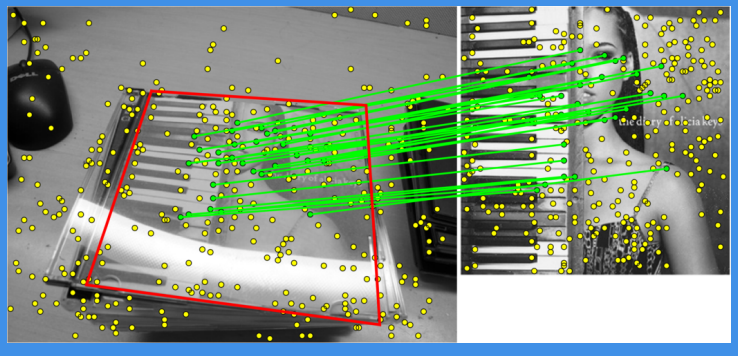
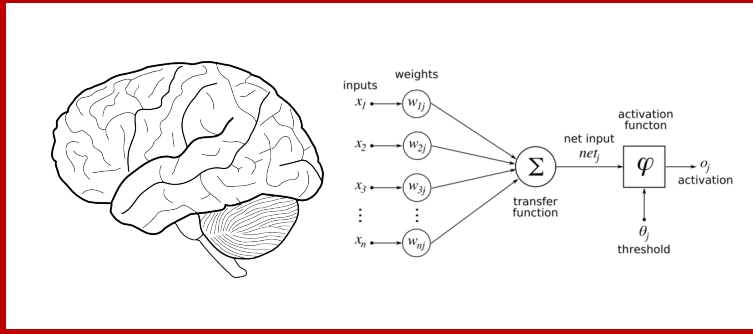
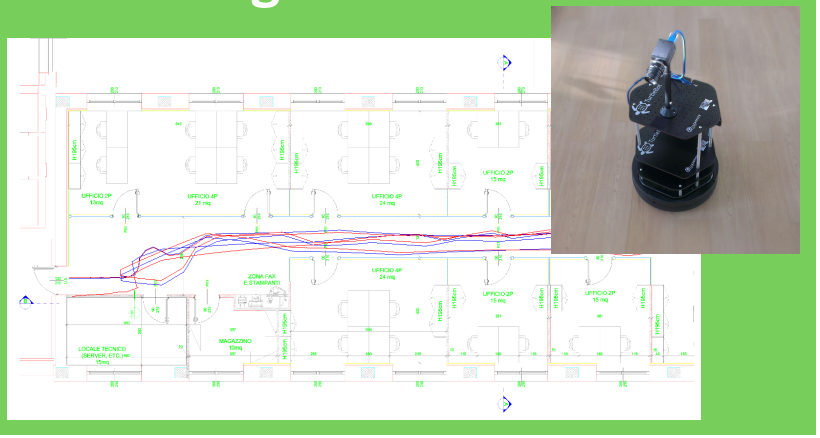


Image and video classification

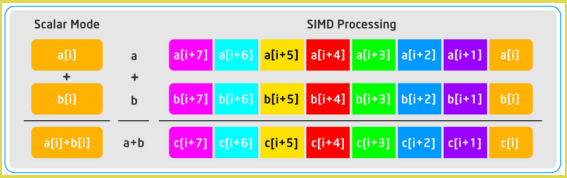
Deep learning

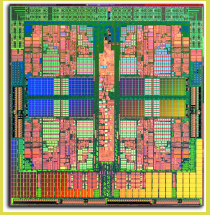


Visual navigation



Fast algorithms





Grazie