A photograph of a modern brick building courtyard. The courtyard is paved with light-colored bricks and has a central path. The buildings are made of orange-brown bricks and have several windows. A blue semi-transparent overlay covers the middle of the image, containing the title text. The sky is overcast.

THE BIROBOTICS INSTITUTE FACILITIES

FACILITIES OF THE BIOROBOTICS INSTITUTE

COLLESALVETTI - LIVORNO Industrial BioRobotics Lab

Technical support in the design and development of robotics systems

PONTERA Polo Sant'Anna Valdera (PSV)

Headquarter of The BioRobotics Institute

PISA

FLORENCE

LIVORNO

PECCIOLI

Assistive Robotics Laboratory

Research activity on cloud and social robotics

LIVORNO Research Centre on Sea Technologies and Marine Robotics

Design and validation of robotic systems for marine applications



POLO SANT'ANNA VALDERA-THE HEADQUARTER



The headquarter of The BioRobotics Institute, called **Polo Sant'Anna Valdera (PSV)**, is a knowledge and research center established by the Scuola Superiore Sant'Anna in 2002, in the industrial town of **Pontedera**.

The PSV is home of world class equipment for analysis, design and (micro-nano) fabrication as well as **classrooms** and a **guest house**. The headquarters

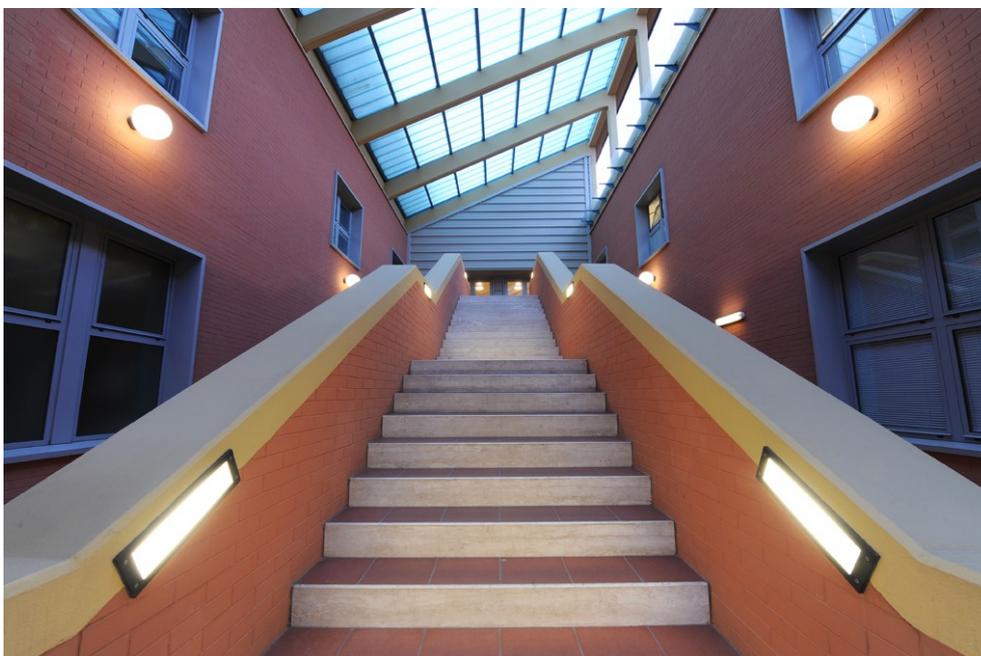
hosts all the administrative offices of the Institute and the following research areas (**Robot Companions for Citizens, Soft Robotics, Artificial Hands, Creative Engineering Design, Surgical Robotics and Allied Technologies, Neuro-Robotics, Translational Neural Engineering, Sensor Signals and Information Processing**) and labs (**Rehabilitation Bioengineering, Soft Mechatronics Technologies, Computer-Integrated Technologies for Robotic Surgery, Micro-Nano-Bio systems and targeted therapies, Locomotion Biomechanics, Computational Neuroengineering, Wearable Robotics, Neuro-Robotics Touch, Human-Machine Interaction**).

The PSV also hosts on its premises the **Centre for Micro-BioRobotics of the Italian Institute of Technology (IIT@SSSA)** and some joint research with leading universities in Japan and Korea, which share education and research in areas of high technological content, as well as promoting and enhancing ideas and technologies.



Polo Sant'Anna Valdera (PSV)

V.le R. Piaggio, 34 – 56025 – Pontedera, Pisa



HOW TO REACH POLO SANT'ANNA VALDERA

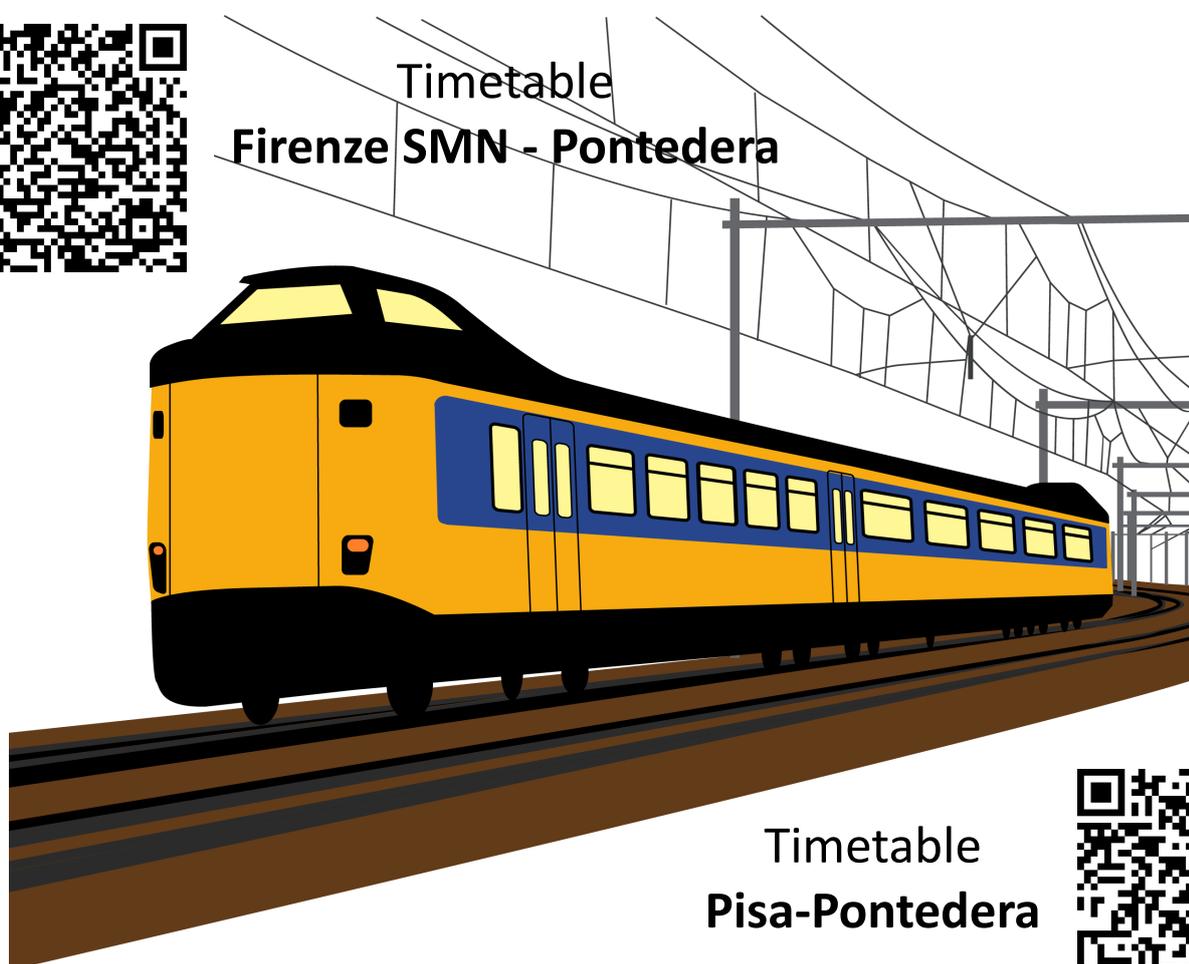
TRAIN

You can reach **Polo Sant'Anna Valdera** through the railway line connecting Pisa and Florence (Firenze). The stop is Pontedera railway station. From Pisa the trip takes about 15 min; from Florence it takes about 45 min. Trains run frequently, in both directions. "Firenze SMN" is the full name of the Florence Central Station. "Firenze Rifredi" is another station in Florence, convenient for reaching Florence airport (by taxi).

See www.trenitalia.com for a timetable.



Timetable
Firenze SMN - Pontedera



Timetable
Pisa-Pontedera



FROM PONTEDERA STATION TO THE BIROBOTICS INSTITUTE

When you arrive at the Pontedera Station, **exit on the opposite side of the station main exit, in Viale Rinaldo Piaggio, then turn left: Polo Sant'Anna Valdera is about 200m ahead, on your left.**

1- “GALILEO GALILEI”: PISA INTERNATIONAL AIRPORT

The Pisa International Airport is located along the coast at only 1 km from the city of Pisa, and is accessible from the A11 and A12 motorways, from the Florence-Pisa-Livorno highway, from the normal city roads, and from the railway network.

The best solutions that you have to reach the BioRobotics Institute from Pisa Airport are:

1 - People mover-Pisa Centrale railway station

The Pisa International Airport is about 1 km from Pisa Centrale railway station, from which you can reach any Italian railway network destination. At less than 40 metres from the Passenger Terminal at the Pisa Airport, you can find the new, high-speed, fully automatic People Mover service for direct connections between the Pisa Centrale railway station and the airport.

The service is available every day from 6:00 AM to midnight at 5/8 minute intervals.

2 - Bus-Pisa Centrale railway station

At the airport, bus tickets may be purchased at the Information Desk (Arrivals Area). The Bus Area (P6) is located just outside the Passenger Terminal Arrivals Area.

3 - Taxi

Reaching Pontedera from Pisa airport by taxi is about 30 minutes and costs around 40/50 €.

TO&FROM AIRPORT

How to reach Pisa International Airport
with all transport services



2- “AMERIGO VESPUCCI”: FIRENZE INTERNATIONAL AIRPORT

Located four kilometers from the center of Florence, the "Amerigo Vespucci" Airport occupies an area of approximately 115 hectares between Castello and the Plain of Sesto Fiorentino. The area, to the north-west of Florence, lies between the "Firenze Nord" exit from the superhighway and Florence's industrial area near Prato.

The best solutions to reach the BioRobotics Institute from Firenze Airport are:

1 - Taxi-Firenze Rifredi railway station

You can take a taxi to Firenze Rifredi train station (15 min., 20 €). Then take a train bound to Pisa or Livorno, reaching Pontedera in about 40 min.

2 - Taxi-Firenze SMN main railway station

You can take a taxi (20 to 30 min., 20 €) to Firenze main railway station, named Firenze SMN. Then take a train bound to Pisa or Livorno, reaching Pontedera in about 45 min.

3 - Bus-Firenze SMN main railway station

You can take a bus (Transit Time: every 30 min) to Firenze main railway station, named Firenze SMN. Then take a train bound to Pisa or Livorno, reaching Pontedera in about 45 min.

TO&FROM AIRPORT

How to reach Firenze International Airport with all transport services



**Find the Polo Sant'Anna
Valdera on Google Maps:**



1- BY CAR FROM PISA OR HIGHWAY A12 GENOVA-ROSIGNANO

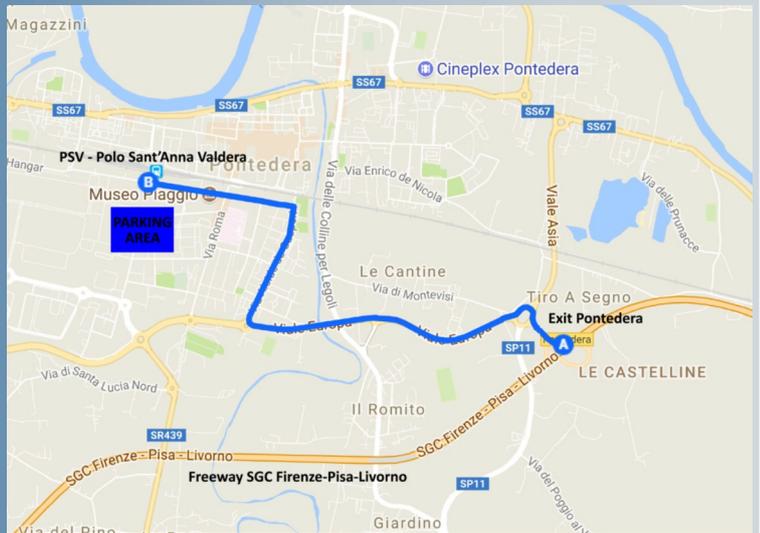
Take the freeway SGC FI-PI-LI, indicated with blue signs, towards Florence (Firenze) (from highway A12, Exit “Pisa Centro” if coming from North, Exit “Collesalvetti” if coming from South). Take the second Pontedera exit of the freeway SGC FI-PI-LI (the first one is named “Pontedera-Ponsacco”) and follow the directions towards “Centro” and “Museo Piaggio”. You will find the Museo Piaggio on your left side after about 5 km. The PSV is on your right, 50 m ahead.

2- BY CAR FROM FLORENCE OR HIGHWAY A1 MILANO-NAPOLI

Take the freeway SGC FI-PI-LI, indicated with blue signs, towards Pisa (from highway A1, Exit “Firenze Signa”). Take the exit “Pontedera” of the freeway SGC FI-PI-LI and follow the directions towards “Centro” and “Museo Piaggio”. You will find the Museo Piaggio on your left side after about 5 km. The PSV is on your right, 50 m ahead.

PARKING AREA

The nearest parking area is close to the Hospital (via Roma): from FI-PI-LI follow the signs to the Hospital, then the blu "P" signs (pay and display parkings). Then walk to our Institute (see maps for your reference). Limited parking lots are also available in front of the PSV Building and, upon authorization given by the Institute Secretariat, inside the Centre.



RESEARCH CENTRE ON SEA TECHNOLOGIES AND MARINE ROBOTICS



The **Research Centre on Sea Technologies and Marine Robotics** is the laboratory of the BioRobotics Institute specialized for the design, development and validation of new technologies and robotic systems for marine applications. Research is conducted on surface and underwater autonomous systems, underwater manipulator control and environmental sensors as well as on bio-inspired aquatic robots.

The Centre is equipped with testing tanks to test robots in a controlled environment and it has direct access to the sea to assess robots' performance in a real environment. The Centre is also equipped with: **FDM 3D Printer, laser cutting, mechanical workbench, electronic workbenches, chemical workbench with laboratory fume hoods, aquariums, 3D tracking system, high-performance workstations, laboratory vacuum oven.**



Research Centre on Sea Technologies and Marine Robotics

V.le Italia 6 – 57126 – Livorno

HOW TO REACH RESEARCH CENTRE ON SEA TECHNOLOGIES AND MARINE ROBOTICS

You can reach the Livorno railway station that is located on the railway connecting Pisa and Roma. From Pisa the trip takes about 15 min; from Florence there are trains that go directly to Livorno; they take about 1h 25 min. Trains run frequently from Pisa and about each hour from Florence during all the day.

Between the Livorno railway station and the “Research Centre on Sea Technologies and Marine Robotics” there are about 5km. You can take a taxi or, preferably, the bus **Number 1** that stops in front of the lab.

Find the Research Center on Sea Technologies and Marine Robotics on Google Maps:



ASSISTIVE ROBOTICS LABORATORY



The aim of the **Assistive Robotics Lab** is to design and develop **ICT** and **robotics solutions** to provide support and assistance to citizens in daily life activities. Particularly the studies carried out in the Active and Assisted Living field aims to integrate robotics, internet, cloud, mobile and electronic technologies for applications, such as healthcare, agriculture, logistic and manufacture. The main scientific challenges to enhance the abilities and capabilities of robotic systems revolve around the physical and cognitive human robot interaction, the integration in intelligent environments and the dependable design.



Assistive Robotics Lab

Via Boccioni, 1 – 56037 – Peccioli, Pisa

[Find the Assistive Robotics Laboratory on Google Maps:](#)



INDUSTRIAL BIOROBOTICS LABORATORY



Applied research, innovative solutions and systems to improve industrial growth and competitiveness: the research is mainly focused on companies' needs in the field of robotics, automation and mechatronics.

The **Industrial BioRobotics Lab** copes with unstructured problems and finds innovative solutions taking inspiration from nature. The aim is to drive partners to develop new products and processes.



Industrial BioRobotics Laboratory

Via delle Colline, 100 – 57107 – Collesalveti, Livorno

[Find the Industrial BioRobotics Lab on Google Maps:](#)

