Soft Robotics Week

April 25-30, 2016
Livorno, Italy

Venue

Soft Robotics
Mary Ann Liebert, Inc. publishers

THE BIOROBOTICS INSTITUTE
Scuola Superiore Sant'Anna

frontiers
in Robotics
and AI

2016 Soft Robotics Week at a glance

April 25-30, 2016 - Livorno, Italy

Events

RoboSoft Spring School
April 25-29, 2016

Lectures and practical sessions, with invited speakers presenting technical and scientific issues related to the design and development of soft robots in different application fields and discussing with students to solve major challenges.

RoboSoft Plenary Meeting
April 27-28, 2016

A two-day workshop with plenary talks and panel discussions will involve the members of the RoboSoft

Community, industrial stakeholders, external experts working in the field of soft robotics and related disciplines, and the students participating in the School.

RoboSoft Grand Challenge
April 29-30, 2016

The first outdoor challenge for soft robots organized with different scenarios and tasks where soft robots will compete using their resilience, their capability to pass through small apertures, their ability to move on uneven terrains and their capability of dextrous manipulation.

Themes

- Soft robots legged locomotion
- Soft robots manipulation
- Underwater soft robots
- Biomimetic soft robots
- Wearable soft robots
- Flying soft robots

- Plant-inspired soft robots
- Micro-soft robots
- Assistive soft robots
- Soft robots in rehabilitation
- Soft robots in endoscopy
- Soft robotics prostheses & organs
- Edutainment soft robots

Organizers

Cecilia Laschi, RoboSoft Coordinator
The BioRobotics Institute
Scuola Superiore Sant'Anna, Pisa
Fumiya Iida,
University of Cambridge, ETH Zurich
Jonathan Rossiter, University of Bristol
Helmut Hauser, University of Bristol
Matteo Cianchetti, The BioRobotics Institute
Scuola Superiore Sant'Anna, Pisa
Laura Margheri, The BioRobotics Institute
Scuola Superiore Sant'Anna, Pisa

Venue

Livorno, Italy

Spring School and Plenary Meeting
Grand Hotel Palazzo
(Viale Italia, 195)

Grand Challenge
Bagni Pancaldi
(Viale Italia, 56)

www.robosoftca.eu/information/events/soft-robotics-week-2016

Soft Robotics Week Venue

The **2016 Soft Robotics Week** will be held in **Livorno** (Italy) a fascinating city of the Tyrrhenian coast, where Tuscan traditions merge into Mediterranean culture creating lively, colourful and cosmopolitan atmospheres. The city was founded at the end of the 16th century by the Medici family (Grandukes of Florence) who made this little village of fishermen the first Tuscan harbour of the Mediterranean Basin.

Livorno has a peculiar history rich of culture which nowadays remains in its ancient palaces, churches, fortresses and along the medieval canals which remind the old pentagonal shape of the town. The old fortress, built during the 1500s, the suggestive Venice Quarter and the magnificent Central Market are a must of a journey to discover Livorno's history, culture and tradition.

Arriving by train at Livorno Central Station

Livorno Central Station is located on the railway connecting Pisa and Roma.

From **Pisa Central Station** the trip takes about 15 min; from **Florence S.M.N.** there are trains that go directly to Livorno that take about 1h 25 min. Trains run frequently from Pisa and about every hour from Florence during all the day. See www.trenitalia.com for a complete timetable.

Florence Airport – Florence S.M.N.

The Florence airport (FLR) is called Amerigo Vespucci and is situated on the north-west outskirts of Florence, just 4 km from the city center. From the Florence airport, you can get to the central Santa Maria Novella train station (SMN) either with a taxi or with the special "Vola in Bus" bus shuttle (run by BusItalia Sita Nord). It takes about 20 minutes, sometimes a little more if there is heavy traffic. The service runs daily, including Sundays and holidays. Departures from the airport are every 30 min between 5.30 am to 8.30 pm, then every hour until 11.45 pm. The last shuttle is at 1.00 am, but at this time, it will be more convenient to take a taxi. Departures from the SMN train station are every 30 min between 5.00 am to 8.00 pm, then every hour up until 11.00 pm.

Another option is to reach Firenze Rifredi train station by taxi (10-15 minutes, around 10 €) and take the train to Livorno from Firenze Rifredi (same train line).

Taxi Firenze +39 055 4242

Pisa Airport – Pisa Central Station

Connections between Pisa Airport and Pisa Central Station are provided by the PisaMover Bus Service. The PisaMover Bus service starts at 6 a.m. and stops at 12 p.m., every day, including Sunday and Bank holidays, for each route (Pisa Airport – Pisa Central Station and Pisa Central Station- Pisa Airport), with a timetable departure of every 10 minutes and a journey time of just 8 minutes. Ticket price is 1,30€* one way. You can buy your ticket at the **Pisa Airport Information Office** (Arrivals Hall) and at Pisa Central Railway Station newsstands (open every day 7.00 a.m.-23.00 p.m.). During Information Office and newsstands closing time, you can buy your ticket on the bus.

Another option is to reach Pisa Central Station by taxi (5-10 minutes, around 10 €).

Pisa Radio Taxi +39 050 541600

The events of the Soft Robotics Week are organized in two different locations, the **Grand Hotel Palazzo** and the **Bagni Pancaldi**, one in front of the other on the seafront of Livorno in **Viale Italia** (have a look also at the map in the following page).

The seafront is about 5 km from the Livorno Central Station and it is connected with the **Bus No.1** or by taxi (**Livorno Radio Taxi** +39 0586 210000; **Consorzio Taxi Livorno** +39 0586 883377).

RoboSoft Spring School and RoboSoft Plenary Meeting

The lectures of the **RoboSoft Spring School** and the **RoboSoft Plenary Meeting** will be held at the **Grand Hotel Palazzo**.
By bus from the Livorno Central Station, take the **No.1 bus** from the station forecourt (Piazza Dante) towards Miramare and get off at "**Viale Italia-Pancaldi"** stop.

Grand Hotel Palazzo
Viale Italia, 195 - 57127 Livorno - Tel +39 0586 260836 - Fax +39 0586 806182 –
Website: http://www.grandhotelpalazzo.com/
Email: info@grandhotelpalazzo.it
Find here directions on: Google Maps

RoboSoft Grand Challenge

The **RoboSoft Grand Challenge** (April 29-30) will be held at the Meeting and Convention Centre "**Bagni Pancaldi**", just in front to the Grand Hotel Palazzo.
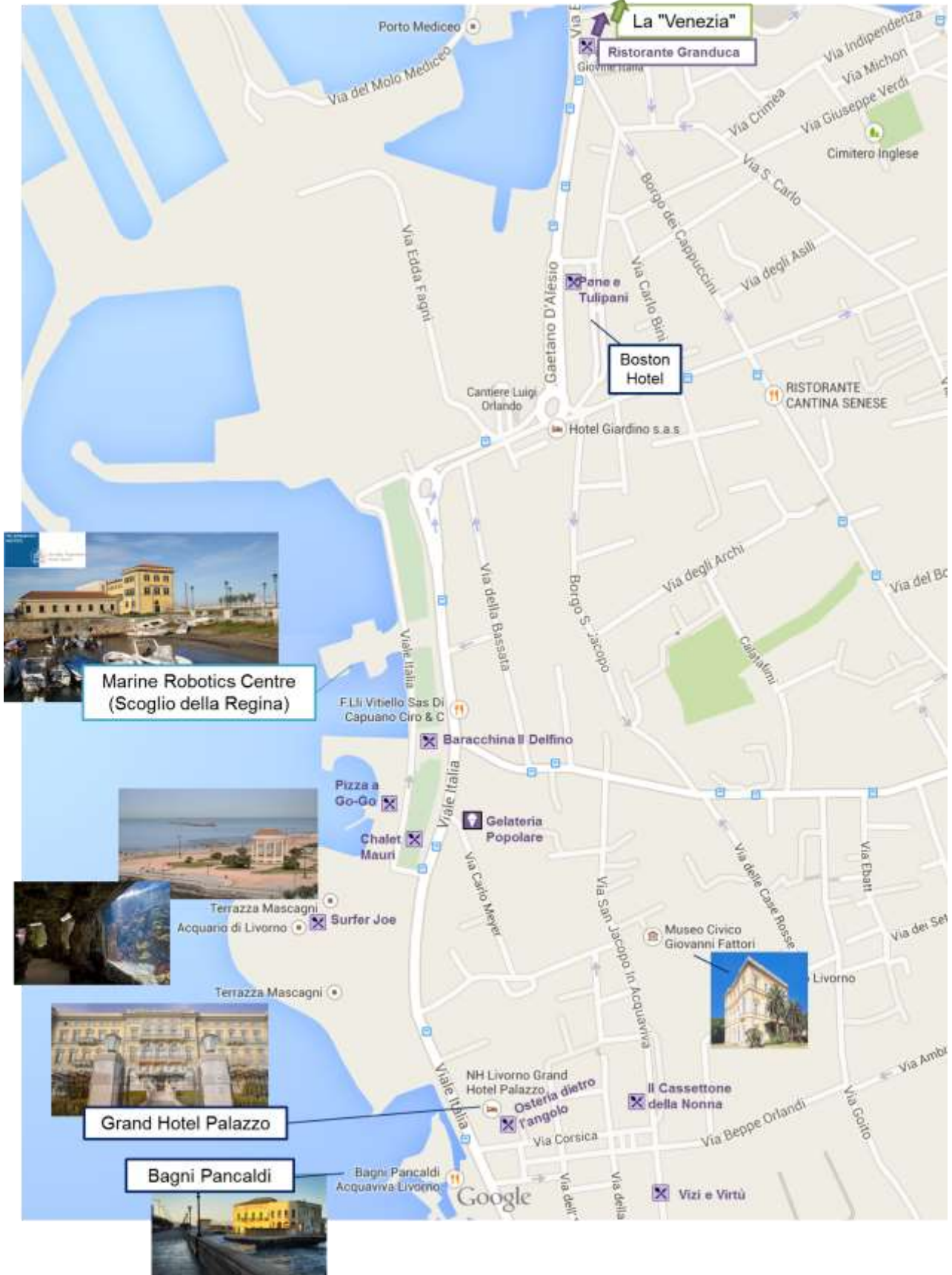

Bagni Pancaldi
Viale Italia, 56 - 57127 Livorno
Website:
http://www.eventiitaliasrl.it/meeting-conference-centre-pancaldi/
Find here directions on: Google Maps

Map of the main venues

Organizers

Cecilia Laschi, The BioRobotics Institute, Scuola Superiore Sant'Anna, Italy
Fumiya Iida, University of Cambridge & ETH Zurich, Switzerland
Jonathan Rossiter, Bristol Robotics Laboratory, University of Bristol, UK
Helmut Hauser, Bristol Robotics Laboratory, University of Bristol, UK
Matteo Cianchetti, The BioRobotics Institute, Scuola Superiore Sant'Anna, Italy
Laura Margheri, The BioRobotics Institute, Scuola Superiore Sant'Anna, Italy

On-site contact persons

General management: Laura Margheri (laura.margheri@sssup.it, +39 347 1329605)
Students working groups: Matteo Cianchetti (matteo.cianchetti@sssup.it)
Grand Challenge: Marcello Calisti (marcello.calisti@sssup.it)

Sponsors

RoboSoft: A Coordination Action for Soft Robotics
FP7 ICT-2013.9.1 Future and Emerging Technologies FET-Open, contract # 619319

Soft Robotics Journal (SoRo, http://www.liebertpub.com/overview/soft-robotics/616/)

Frontiers in Robotics and AI Journal (http://journal.frontiersin.org/journal/robotics-and-ai)

Soft Robotics Week 2016 website

http://www.robosoftca.eu/information/events/soft-robotics-week-2016