



**2015 Summer School on
Advanced Robotics for
Sustainable Manufacturing**

July 6 - 10, 2015 - Livorno, Italy   

SMART-E is a **Marie-Curie Initial Training Network** (FP7-PEOPLE-2013-ITN # 608022) that aims to prepare the next generation of leading **Advanced Roboticists to ensure a Sustainable Manufacturing sector in Europe**. Started in November 2013, SMART-E is coordinated by the University of Salford Manchester, in partnership with the University of Sheffield, the University of Zurich, the Italian Institute of Technology, the BioRobotics Institute of the Scuola Superiore Sant'Anna, the Technical University of Munich and AGCO GmbH. A total of 14 associated partners, from both academia and industry are currently supporting the consortium of experts.

SMART-E brings together a team of world-renowned experts in the areas of advanced manufacturing, embodied intelligence, novel compliant actuators lightweight, human factors, soft and safer robotic structures using smart materials enabling higher performance, dexterity and agility.

13 fellows are participating in the SMART-E ITN with a series of projects organised around the following topics: ***Dexterous, Soft and Compliant Robotics in Manufacturing; Reconfigurable and Logistics Robotics; Safety and Human Robot Interaction and Cooperation.***

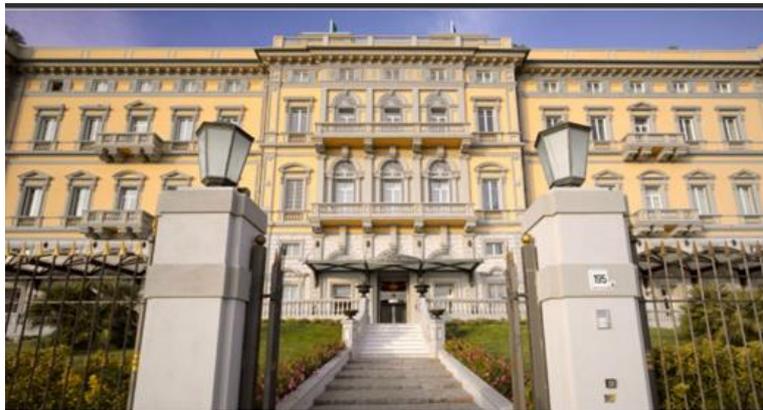
The programme of the **first SMART-E Summer School on Advanced Robotics for Sustainable Manufacturing** will involve industrial leaders of manufacturers and automation R&D companies in Europe as well as experts in Embodied intelligence, Soft Robotics, Compliant Robotics, Smart materials, Safety and Human machine interaction, autonomous systems, dextrous end

effectors and statistics, that will present the latest technologies, industrial challenges and visions.

Lectures and round-table sessions between speakers and fellows will discuss current problems and future suitable technology solutions using advanced robotics to transform manufacturing in Europe.

During the week, fellows will also present their research activity in preparation to the SMART-E mid-term conference and will discuss their results and their future plans.

Venue



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](#)

Livorno is 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.

Between the Livorno Central Station and the Grand Hotel Palazzo there are about 5 km.

Get off at the Livorno Central Station and take the No.1 bus from the station forecourt (Piazza Dante) towards Miramare.

Get off at the Viale Italia-Pancaldi stop.

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).

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 €).

Taxi phone number

Pisa Radio Taxi +39 050 541600

Taxi Firenze +39 055 4242

Livorno Radio Taxi +39 0586 210000

Consorzio Taxi Livorno +39 0586 883377

Organizers

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<http://smart-e-mariecurie.eu/>



SUSTAINABLE MANUFACTURING
THROUGH ADVANCED ROBOTICS TRAINING
IN EUROPE



Scuola Superiore
Sant'Anna