



Lights of Tuscany

lightsoftuscany@ai-sf.it



What

An event part of the celebrations for the International Year of Light organized by the *Associazione Italiana Studenti di Fisica* (AISF) and its Local Committee in Pisa, open to all the members of the *International Association of Physics Students* (IAPS). About 40 students are expected to participate, 2/3 of whom international.

When

In December 2015, from Thursday 17th to Monday 21st.

Where

In Tuscany. Arrival, accommodation and departure are expected to be in Pisa (easy to reach by plane, train and car). A couple of days will be spent in Florence, both for science related activities and sightseeing. Hopefully it will be possible to visit other cities.

The laboratories

- The *European Laboratory for Non-linear Spectroscopy (LENS)*: an international and interdisciplinary structure in Florence. The main research lines are atomic physics, photonics, physical chemistry and biophysics.
- The physics facilities of the *University of Pisa*, one of the most ancient universities of Italy and Europe, where among the others studied the Nobel laureates Enrico Fermi and Carlo Rubbia. We will visit the labs of optics, lasers and crystal growth.
- The *VIRGO*, a gravitational wave detector made up by a massive Michelson laser interferometer. It is situated in Cascina, about 20 km from Pisa.
- The *National Enterprise for nanoScience and nanoTechnology (NEST)*: an interdisciplinary research and training centre in Pisa which closely collaborates with the University of Pisa and the Scuola Normale Superiore.
- The *Sant'Anna School of Advanced Study (SSSUP)* and its *Institute of Biorobotics*, in Pontedera (about 30 km from Pisa).

The other activities

- Careers in Photonics: a LIGHTtalk consisting of an array of live presenters from the scientific, entrepreneurial and industry communities speaking about different aspects of photonics. It will be open to the general public.
- Guest lectures: there will be some guest lectures held by prominent local professors, focusing on multiple aspects of light.
- Pisa by night: a suggestive visit of Pisa in the late evening, including the Pisa Cathedral, the Baptistery, the Leaning Tower, the Monumental Cemetery, the Knights' Square and the Lungarni.
- The Piaggio Museum: Pontedera hosts the headquarters of the Piaggio company, the original producer of the „Vespa“ (the famous motorcycle model), and we will be able to discover its history and development.
- Tourism in Florence: an entire day will be devoted to a free visit of Florence, with the optional possibility to visit the Uffizi Gallery and other artistic points of interest.

The programme

- | | |
|---------------|--|
| Thursday 17th | Arrival in Pisa in the afternoon; opening ceremony; social dinner; visit of Pisa by night. |
| Friday 18th | LENS (all day); free evening in Pisa. |
| Saturday 19th | Guest lectures and university of Pisa (morning); VIRGO (afternoon). |
| Sunday 20th | Tourism in Florence (all day). |
| Monday 21th | NEST/Piaggio+SSSUP (at choice, morning); departure during the afternoon. |

Participating

Registrations are opening at the end of September on the AISF website <http://ai-sf.it/lot>.

Expected cost per person: 110€

Note: the above descriptions and data are only estimates and could be revised in the upcoming months.