

Advanced Summer School on “Laser-Driven Sources of High Energy Particles and Radiation”

9-16 July 2017, CNR Conference Centre,
Anacapri, Capri, Italy

Promoted and supported by:



LECTURERS and TOPICS

Marco BORGHESI, QUB, Belfast, UK, **Ion acceleration: TNSA and beyond**
Carlo BENEDETTI, LBNL, Berkeley, CA, US, **Advanced modelling tools for LWFA**
Pablo CIRRONE, INFN-LNS, Catania, IT, **Simulation of particles through matter**
Massimo FERRARIO, INFN-LNF, IT, **Electron beam properties and FEL**
Dario GIOVE, INFN, Milano, IT, **Ion beam diagnostics**
Constantin HAEFNER LLNL, Livermore, CA, US, **Intense Lasers: high average power**
Bernhard HIDDING, SCAPA, UK, **Hybrid LWFA-PWFA**
Malte KALUZA, IOQ, Jena, DE, **Ultrafast Plasma Imaging**
Masaki KANDO, JAEA, Kyoto, JP, **LWFA electrons: staged acceleration**
Stefan KARSCH, MPQ, Munich, DE, **Advanced all-optical X-ray sources**
Luca LABATE, CNR, Pisa, IT, **Ultrafast, intense laser pulse diagnostics**
Bruno LE GARREC, CNRS, Paris, FR, **Intense Lasers: high peak power**
Andrea MACCHI, CNR and Dip. Fisica, Pisa, IT, **Basics of laser-plasma interaction**
Zulfikar NAJMUDIN, IC, London, UK, **LWFA: injection and acceleration**
Riccardo TOMMASINI, LLNL, Livermore, CA, US, **Plasma X-ray Imaging and Sources**

COMMITTEES

School Directors

Leonida A. GIZZI (CNR, INO)
Ralph ASSMANN (DESY)

Course Organizers

Petra KOESTER (CNR, INO)
Francesca USALA (CNR, INO)
Tom MINNIBERGER (DESY)
Ruth MUNDT (DESY)

Scientific Secretariat

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REGISTRATION

Applications including full CV should be sent to the Scientific Secretariat. CV should include full name, address, age, nationality, academic qualifications and degree, present position and affiliation, current research activity, list of publications.

Registration fee for participants is 200€ and includes access to the conference facility, lunches and coffees, training material. Partial financial support will be available for deserving students with limited access to institutional funding. Participants will have to book their own accommodation. A list of hotels will have rooms reserved until March 10th. We strongly encourage participants to book their accommodation as early as possible.

Further information will be available at the **School website:**

<http://ilil.ino.it/lpaschool2017>

VENUE

The School will take place at the CNR Conference Facility in Anacapri, on the island of Capri. The conference facility is located at the premises of the former Solar Observatory of the Swedish Royal Academy, owned by the Italian National Research Council. Capri is a famous destination in the Tyrrhenian Sea on the south side of the Gulf of Naples in the Campania region of Italy. Anacapri is located on the slopes of Mount Solaro at a higher elevation than Capri town. Points of interest include [The Blue Grotto](#), the greatest attraction of the island, [Villa San Michele](#), the [Villas of Tiberius](#) and [the Chairlift for Mount Solaro](#) which takes to the highest peak of the island from which you can enjoy the most stunning panoramas. A regular bus running every fifteen minutes takes to the sparkling city of Capri and its famous [Piazzetta](#). The venue can be reached by regular ferry or hydrofoil connections from the Naples and other locations like Sorrento, Amalfi and Salerno. See web site for full info.

