



Accademia Peloritana
dei Pericolanti

DESyT-2019



Sezione di Catania



INTERNATIONAL WORKSHOP ON DETECTION SYSTEMS AND TECHNIQUES IN NUCLEAR AND PARTICLE PHYSICS Messina (Italy), September 11-13, 2019

Organized by:

University of Messina
Accademia Peloritana dei Pericolanti
AIFM - Associazione Italiana di Fisica Medica
INFN - Istituto Nazionale di Fisica Nucleare - Sezione di Catania

Scientific Program

The workshop will focus on the most innovative aspects of detection systems and techniques developed in nuclear and particle fields. Many recent studies investigate the correlated production of charged and neutral particles in a wide dynamic range, as well as the identification of particles at extreme energies or in environments characterized by very high radiation density. The common requirement of such studies is an appropriate detection system.

Simulation tools and related applications will be discussed during dedicated sessions given their recognized value in planning and executing experiments in the fields of applied and fundamental physics.

The workshop will also deal with applications of detection techniques in medicine, industrial processes and every other field of social interest, such as container scanning or radioactive waste monitoring.

General Information

The Workshop will be held at the University of Messina, in the "Accademia Peloritana dei Pericolanti" Library Room, and it will consist of invited talks and selected oral presentations.

The preliminary programme of the event is available under this link:

<http://newcleo.unime.it/Events/DeSyT2019/program.pdf> .

The Workshop Proceedings will be published in an ISSN-coded International Journal indicized by ISI-Web of Science and SCOPUS, having a good Impact factor.

Selected contributions of each session will be submitted for publication as an extended article in "Atti dell'Accademia Peloritana dei Pericolanti - Classe di Scienze Fisiche, Matematiche e Naturali" (<http://cab.unime.it/journals/index.php/AAPP/index>).

Topics

- Detectors
- Particle Identification Techniques
- Tracking Systems
- Simulation Tools and Applications
- Radiation detection and Imaging in Medical Sciences and other fields of social interest

Registration Fee

The registration fee will be Euro 150 (including welcome reception, coffee breaks, social dinner and publication of proceedings). The registration fee for an accompanying person will be Euro 50. Please note that the **fee has to be paid by bank transfer**; more information can be found under the following link:

<http://newcleo.unime.it/Events/DeSyT2019/BankDetails.pdf> .

Social Events

The social dinner will take place on September 12th at 20:30, at the restaurant *La Locanda del Pescatore*. Fish-based dishes will be offered; if you prefer a different menu (meat, vegetarian, ...), please request it by sending an email to loc@unime.it .

Travel Information

Workshop Location:

Accademia Peloritana dei Pericolanti - Palazzo Università - Piazza S. Pugliatti 1 – Messina, Italy.

To reach Messina it is advisable to travel via Catania Airport;

from Catania Airport to Messina Central Railway Station you can take "SAIS" company bus.

The workshop location is distant almost 1km from Railway Station.

More information can be found under the following link:

<http://newcleo.unime.it/Events/DeSyT2019/Information.html> .

Contacts

All correspondence concerning the Workshop should be sent to: loc@unime.it

Workshop website: <http://newcleo.unime.it/Events/DeSyT2019>