

ANSiP-2011

Advanced School & Workshop on Nuclear Physics Signal Processing

Acireale (CT), Italy - November 21-24, 2011

We are glad to announce that the Advanced School and Workshop on Nuclear Physics Signal Processing, ANSiP-2011, will be held on November 21-24, 2011 in the Sicilian town of Acireale, close to Catania (Italy). The meeting is organized by the Istituto Nazionale di Fisica Nucleare (INFN), Sezione di Catania and Laboratori Nazionali del Sud (LNS), the Dipartimento di Fisica ed Astronomia of the Università di Catania and the Dipartimento di Elettronica e Informazione, Politecnico di Milano. The meeting web site is <http://www.ct.infn.it/ansip2011>.

General Information and scientific program

The ANSiP-2011 meeting will focus on *signal processing and data acquisition for particle detectors in small to medium sized systems*.

The main topics that will be covered are:

- *Signal formation and processing in radiation detectors*
- *Noise mechanisms, signal transport and control*
- *Generic and integrated approaches to Front-end Electronics and Data Acquisition*
- *Novel technologies and their applications*
- *Solutions towards high dynamic range*

The meeting will be structured to cover introductory base concepts followed by cutting edge electronics contributions and open discussions on the topics outlined above. Due to the educational character of the meeting, participation by students, postdocs, technical staff and engineers is strongly encouraged. Submitted abstracts will be selected by the organizing committees for oral or poster presentations. A *cocktail&poster* session will be held on November 23rd. A final exam may be organized, on request, for PhD students attending the school. More details on the program will be provided on the second circular and on the conference web site, <http://www.ct.infn.it/ansip2011>.

Workshop site and venue to Acireale

The meeting will be held at the *Accademia degli Zelanti e dei Dafnici*, in the picturesque town of Acireale, near the Etna volcano. Acireale is located on the shoreline close to Catania, <http://en.wikipedia.org/wiki/Acireale>. The *Accademia degli Zelanti e dei Dafnici*, <http://www.accademiadeglizelanti.it>, is an academic organization engaged in promoting cultural events within the local territory. Acireale can be easily reached by train or by bus from downtown Catania. Details about transportation and accommodation will be provided on the second circular and on the conference web site, <http://www.ct.infn.it/ansip2011>.

Organizing committees

- *International advisory committee*
H. Baba (Riken), A. Castoldi (Politecnico di Milano & INFN-MI), G. Cuttone (INFN-LNS), E. Delagnes (IRFU-Saclay), C. Guazzoni (Politecnico di Milano & INFN-MI), I. Lazarus

(STCF-Daresbury), A. Pagano (INFN-Catania), G. Pascovici (IKP & Univ. of Cologne), E. Pollacco (IRFU-Saclay), N. Randazzo (INFN-Catania), A. Shebli (IRFU-Saclay), Simon H. (GSI), L. Sobotka (Washington Univ.).

- *Local organizing committee*

G. Cardella (INFN-Catania), G. Lanzalone (Univ. Kore Enna and INFN-LNS), S. Pirrone (INFN-Catania), G. Politi (University of Catania and INFN-LNS), F. Rizzo (Univ. Of Catania and INFN-LNS), P. Russotto (Univ. of Catania and INFN-LNS), G. Verde (INFN-Catania).

Secretary: A. L. Magri' (INFN-Catania).

Social events

A social event (excursion to the surroundings of Mt. Etna and Acireale) and dinner will take place on November 23rd. More details will appear on the second circular and on the web site.

Registration

Participation in the ANSiP-2011 meeting requires a registration directly on the web site. The deadline for registration is October 15th, 2011. The registration fee amounts to 150 Euros, covering coffee breaks, the social dinner and workshop material. The fee is reduced to 80 Euros for students. Limited financial support for students will be available under request to be submitted to the official contacts of the meeting.

Official contacts

For any information concerning the workshop please feel free to contact the organizing committee at ansip2011@ct.infn.it. Travel and accommodation information will be provided on the second circular and will appear on the web site of the workshop, <http://www.ct.infn.it/ansip2011>.

We look forward to meeting you in Acireale.

The local organizing committee