



**ARENA 2018 - 8th Workshop on
Acoustic and Radio EeV Neutrino Detection Activities
Tuesday June 12th - Friday June 15th, 2018
INFN-LNS Catania, Italy**

First Bulletin November 3rd 2017

1) General Information

The ARENA workshop series is dedicated to acoustic and radio detection methods and their application to the observation of neutrinos and cosmic rays at ultra-high energies. **The ARENA 2018 workshop will be held at Laboratori Nazionali del Sud of INFN, Catania, Italy, from Tuesday June 12, 9:00 until Friday June 15, 14:00.**

Further information will be posted on the webpage of the event <http://www.arena-conference.com/> at as they become available. Proceedings of the workshop will be published in EPJ.

2) Committees

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3) Scientific Program and Abstract Submission

All oral presentations will be organised in plenary sessions. Abstract submissions are invited through the workshop webpage with the deadlines indicated below. A poster exhibition will be organized depending on requests for poster presentations and depending on whether the available time slots are sufficient to accommodate all accepted presentations.

The workshop covers the following topics, comprising theory, simulation, and existing and future experiments:

- Ultra-high-energy neutrinos, theory of production
- Radio-detection of UHE neutrinos and cosmic rays
- Acoustic detection of UHE neutrinos and cosmic rays
- Related detection technologies (e.g. microwave, radar, ultrafast magnetic sensing, ...)
- Radio emission from neutrino and hadron showers (theory and simulation)
- Experimental techniques of acoustic and radio detection
- Interdisciplinary relations: radio and acoustic techniques used in other fields of science

4) Registration and Important Dates

Registration will be opened via the workshop webpage (<http://www.arena-conference.com>) and agenda: <https://indico.cern.ch/event/667036>.

Both registration and abstract submission are handled by the CERN Indico system so that participants will need a CERN lightweight account to register: <https://account.cern.ch/account/>.

The conference fee is 360€ (standard) and 280 € (student) for early registration and 430€ (standard) / 330€ (student) for late registration.

In order to be eligible for the early registration fee, both the registration and the payment have to be completed before the deadline.

Registration fees include proceedings publication, coffee breaks, lunches, welcome aperitif, excursion and transportation to the airport at end of the conference. ***The social dinner is not included in the fee, an extra cost of 50€ is requested.***



Registration opening:	January 10, 2018
Deadline for early registration:	April 5, 2018
Deadline for normal registration:	May 31, 2018

5) Prizes

A free of charge registration and free hosting at the LNS Guest House will be offered to the first 3 students who will register and submit abstracts (accepted as oral presentations) through workshop website. Additional prizes for students presentation and posters are foreseen, details will be announced in due time.

6) Abstract Submission and Proceedings

Abstracts and in a later stage proceedings will be submitted through the workshop website and refereed by a peer-to-peer committee.

Deadline for abstract submission:	April 22, 2018
Latest date of notification about abstract approval:	May 10, 2018
Deadline for Proceedings Submission:	October 30, 2018
Expected Publication:	March 2019

7) Social Program

The workshop excursion (Etna Volcano) and dinner will take place on Wednesday, June 17. Accompanying persons are welcome to join the dinner and excursion at a total cost of 70€ (for participants, the excursion is included in the fees).

8) Accommodation and Practical Information

Several hotels and B&Bs are available in Catania. Information on public transportation buses (BRT line) and metro connecting downtown to LNS can be found here:

<https://www.lns.infn.it/en/practical-information/how-to-get-here.html>

Ten rooms have been pre-booked for the ARENA 2018 workshop participants at the LNS-INFN Guest House at cost of 25€/night. ***Please book your Guest House room only through the workshop website registration service.***



For information on the LNS Guest house, visit:

<https://www.lns.infn.it/en/practical-information/guest-house.html>

We are also sure you will appreciate the Sicilian cuisine! A short list of reviewed restaurants in Catania can be found at:

<https://www.lns.infn.it/en/practical-information/where-to-eat.html>

9) Contact

For further details, please consult the webpage of the event

<http://www.arena-conference.com>.

For specific questions or comments please contact us via e-mail:

<mailto:arena2018@lists.lns.infn.it>