



ARENA 2020
9th International Workshop on
Acoustic and Radio EeV Neutrino Detection Activities
Tuesday May 26th - Friday May 29th, 2020
IGFAE & USC, Santiago de Compostela, Spain

First Bulletin: December 2nd 2019

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 2020 workshop will be held at San Martin Pinario Monastery, <http://www.hsanmartinpinario.com/>, Santiago de Compostela, Spain, from Tuesday May 26, 9:00 until Friday May 29, 14:00.**

This is a privileged location in Santiago de Compostela, in the historic old town and just a few meters to the Cathedral:



Further information can be found on the webpage of the event:

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

2) Committees:

International Advisory Board:

J. Alvarez-Muñiz, Santiago de Compostela, Spain
N. Budnev, Irkutsk, Russia
A. Capone, Roma, Italy
A. Connolly, Ohio, USA
S. Danaher, Northumbria, UK
J. Hörandel, Nijmegen, The Netherlands
T. Huege, Karlsruhe, Germany
A. Nelles, Zeuthen, Germany
A. Karle, Madison, USA
R. Lahmann, Erlangen, Germany (Chair)
P. Lautridou, Nantes, France
S. Yoshida, Chiba, Japan
S. Wissel, San Luis Obispo, USA

Local organizing committee:

J. Alvarez-Muñiz, IGFAE & USC (chair)
E. Zas, IGFAE & USC

3) Scientific Program and Abstract Submission

All oral presentations will be organized in plenary sessions. Abstract submissions are invited through the workshop webpage with the deadlines given below. A poster exhibition could 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 (UHE) cosmic-rays and neutrinos, theory of production.
- Radio-detection of UHE neutrinos and cosmic rays.
- Acoustic detection of UHE neutrinos and cosmic rays.
- Experimental techniques of acoustic and radio detection.
- Radio emission from particle showers in dense media/air (theory and simulation)
- Other detection technologies (microwave, radar, ultrafast magnetic sensing...)
- Interdisciplinary relations: radio and acoustic techniques used in other fields of science.

4) Registration and Important Dates

Registration will be opened via the workshop indico webpage: <https://indico.cern.ch/event/826366/>

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 400€ (standard) and 350€ (student) for early registration and 450€ (standard) / 400€ (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 (electronic), coffee breaks, lunches, social activities and dinner banquet.

Registration opening:	January 10, 2020
Deadline for early registration:	March 30, 2020
Deadline for normal registration:	April 30, 2020

5) Abstract Submission and Proceedings

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

Deadline for abstract submission:	April 10, 2020
Latest date of notification about abstract approval:	April 30, 2020
Deadline for Proceedings Submission:	October 30, 2020

6) Social Program

Leisure activities and banquet will take place on Wednesday, 27 May. Accompanying persons are welcome to join the leisure activities and banquet at a total cost of 100€ (for participants, these are included in the fee).

8) Accommodation and Practical Information

30 rooms have been pre-booked for the attendees to the ARENA 2020 workshop at Hospederia San Martin Pinaro <http://www.hsanmartinpinario.com/>, in the same building where the conference takes place, at the rates: 52€/night single room, 70€/night double room (buffet breakfast included). **Please book your room directly at Hospederia San Pinaro by sending an email to reservas@sanmartinpinario.eu** with the reference "ARENA 2020" indicating your name, single/double room, dates and credit card number (as a guarantee holder). Rooms are blocked until April 1, 2020.

ARENA 2020, May 26 – 29, 2020, Santiago, Spain

Many other hotels are available in Santiago in the old town or in the new one that are adjacent to each other. A non-comprehensive list of suggested hotels will be available on the web page.

Information on travel and transportation from/to Santiago airport can be found in the conference web page: www.arena-conference.com

9) Contact

For further details, please consult the webpage of the event

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

For specific questions or comments please do not hesitate to contact us via e-mail:

arena.2020.Santiago@gmail.com