



Welcome to the

XXX CANARY ISLANDS WINTER SCHOOL OF ASTROPHYSICS

“Big Data Analysis in Astronomy”

La Laguna, November 4th – 10th, 2018

<http://www.iac.es/winterschool/2018>

SCHOOL VENUE

Standard lecture sessions will take place at the '**Salón de Actos**' of the Aulario General del Campus de Guajara of the Universidad de La Laguna, Campus de Guajara s/n. It is located between the centre of the city of San Cristóbal de La Laguna (usually just called 'La Laguna'), about 2 km away, and the island's capital, Santa Cruz de Tenerife, whose centre is about 5 km away. The tram is most convenient for transport to and from the Guajara campus (Stop: "Campus Guajara"). It connects La Laguna and Santa Cruz and runs every 5 - 10 minutes in the mornings. Reaching the venue takes 10 minutes from La Laguna, and 20 from Santa Cruz.

HOTELS IN LA LAGUNA

There are three hotels in La Laguna, all of them located in the historical centre of the town:

- *Hotel Laguna Nivaria* (<http://www.lagunanivaria.com>): Plaza del Adelantado 11, 38201, San Cristóbal de La Laguna. Telephone number: +34-922-264298. Fax number: +34-922-259634
- *La Laguna Gran Hotel* (<https://lalagunagranhotel.com/>): C/ Nava y Grimón 18, 38201, San Cristóbal de La Laguna. Telephone number: +34-922-108080
- *Hotel Laguna Aguere* (<http://www.hotelaguere.es>): C/ Obispo Rey Redondo, 55, 38201-San Cristóbal de La Laguna. Telephone number: +34-922-314036. Fax number: +34-922-631633.

How to reach the hotels from Tenerife North Airport (TFN)

We recommend you to take a taxi, as it will cost you about 7-10 € only. Alternatively, buses #102, 107 and 108 will take you from the airport to the Bus terminal station in La Laguna. From there, it is a 20 min walk to all the hotels.

How to reach the hotels from Tenerife South Airport (TFS)

You can either catch a taxi (about 65 €) or Bus #111 (5,40 €) from TFS airport to Santa Cruz de Tenerife (main Bus terminal). From 06:00 to 22:30 there is a bus each 30 min. The Bus desk (labelled TITSA) is located at the extreme north side of the terminal and the bus stop is just outside of the terminal in front of the Bus desk. The ride to the Santa Cruz Bus station is about 40 min.

The most convenient option to reach La Laguna from there is to take the tram ("tranvía"). The terminal is very close to the hotels (about 10 min walk). As you get out of the Bus terminal in Santa Cruz (East exit facing the sea) you will see the Tram terminal. Your destination is "La Trinidad" (line 1). Alternatively, a taxi from the Bus terminal station in Santa Cruz to the hotels in La Laguna will cost you about 20 €.

Note: The local bus company is called TITSA, buses are painted bright green, and the local name for bus is "guagua". On the WS web page you will find useful links to the bus company and to Google maps for the itineraries.

If you need additional help, please, do not hesitate to contact the organizers:

WS secretary (Lourdes González): winter@iac.es

Ana Monreal Ibero: amonreal@iac.es

Jorge Sánchez Almeida: jos@iac.es

Johan Knapen: johan.knapen@iac.es

REGISTRATION AND CONFERENCE ROOM

Registration desk

On Sunday November 4th, the Winter School registration desk will be open during the Welcome cocktail at the Hotel Laguna Nivaria (19:00 to 21:00). Registration will continue on Monday 5th from 8:00 to 9:00 and during the coffee break in the area close the conference room.

Conference room

The conference room is located on the first floor of the Aulario general del Campus de Guajara de la Universidad de La Laguna. There will be free access to Internet. We recommend the use of eduroam, install this on your devices before you leave your home institute.

POSTER ALLOCATION

Individual poster panels (1m x 1m) will be available near the conference room on Monday 5th since 08:00. Please, remove your posters on Friday 9th during the morning coffee break.

WEATHER

The weather is expected to be mild with temperatures in the range 17°C to 20°C during the day. In the afternoons and evenings can be more humid or rainy.

SOCIAL EVENTS

- **Sunday 4th** (19:00 to 21:00): A welcome cocktail will be offered to all the participants at Hotel Laguna Nivaria.
- **Wednesday 7th**: Visit to the Teide Observatory (Tenerife, 2400 m). We recommend you to bring warm clothing and comfortable shoes. We will depart by coach from the Campus Guajara, right after lunch at ~14:00h, and will be returning to La Laguna ~20:30 (to be confirmed). The weather in November can be foul: rain, fog, wind and temperatures of around 5 degrees are all possible. On the other hand, it usually is sunny and a hat, sunglasses and sunscreen will then be needed.
- **Thursday 8th** (18:30h – 20:00h): After the tutorial session on unsupervised learning, participants will be invited to visit the IAC Headquarters to see the scientific and technical facilities at this research center. The IAC is the leading astrophysics research center in Spain, distinguished by the Spanish Government as a ‘Severo Ochoa Center of Excellence’. It is a 15-minute walk from the conference venue.
- **Thursday 8th** (~20:30h): Conference Dinner offered by the School’s organizers at the Esquinazo.
- **Friday 9^h** (19:00h): Dr. Jorge Sánchez Almeida will give the Public Lecture in Spanish ‘**Big Data**’: **uso en la vida real** in the Museo de la Ciencia y el Cosmos (La Laguna), in front of the IAC.
- **Saturday 10th**: Trip to the Roque de Los Muchachos Observatory (La Palma, 2400m). We recommend you to bring warm clothing and comfortable shoes. The way to the Observatory is a mountain road with many curves. For those with tendency to suffer from seasickness, we suggest to bring some medication to prevent it (e.g. Biodramina). We will travel by plane, leaving Tenerife North airport around 8 in the morning and arriving back there around 20:30 in the evening. On La Palma, we will travel by coach. Lunch and refreshments will be served at the Observatory. As at the Teide Observatory, the weather in November can be foul: rain, fog, wind and temperatures of around 5 degrees are all possible. On the other hand, it usually is sunny and a hat, sunglasses and sunscreen will then be needed.

RESTAURANTS IN LA LAGUNA

La Laguna offers a large variety of restaurants, most of them located in the pedestrian center of the city. In general, you can have nice food at good prices in all of them (10-20 € per person). We have created a list of restaurants which local people like.

Spanish/Mediterranean food:

1. **Restaurante Guaydil:** Very good Mediterranean kitchen. Usually very crowded after 20:00. Around 15 €.
2. **El huequito andaluz:** Very good Andalusian food (basically fried fish). Around 15 €.
3. **Labicoca:** Very good Mediterranean food. Usually crowded at dinner. 15-20 €.
4. **Tasca El Tonique:** They offer the best *jamón serrano* in town. Food is very good but a bit expensive, around 20-25 €.
5. **La Alhacena:** Nice food. 15-20 €.
6. **Restaurante Santo Domingo:** Very good Mediterranean kitchen. Usually crowded at dinner (after 20:00). 15-20 €.

Good 'tapas' and 'pintxos':

7. **Tasca La Topa:** Tapas' place. Very good food and cheap. They serve free 'tapas' when you ask for a drink until 23:00. Also, they have 'happy hour' (see their facebook page). Usually very crowded for dinner and quite noisy. 10-15 €.
8. **Bodegón Tocuyo:** Cozy typical 'tasca'. They serve wine in bulk and local food, above all tomato salad, 'almogrote' (strong cream cheese with garlic from La Gomera), and cold meat (serrano jam, chorizo, etc.). Not really recommended to vegetarians. Usually is very crowded after 20:00 h. Around 10 €.
9. **La Bruma Tapas Bar:** Good tapas though a bit small and expensive. 20-25 €.
10. **Guachinche Paraiso:** Tapas' place. (see their facebook page). Around 8-10 €.
11. **La Venta de la Esquina:** 'Pintxos' and tapas bar. Very good and cheap. Usually very crowded after 20:00 h. 10-15 €.

A drink and a sandwich or a snack: In general, all places in the pedestrian area serve this kind of food and are quite good.

12. **Bar Benidorm:** They have very good serrano jam and tomato sandwich. Around 5 €.
13. **Los 100 montaditos:** Only sandwiches. 5-10 €.
14. **La Sureña:** They offer 5 small beers (200 ml) for 3 €. Usually crowded in the afternoons.

Italian food:

- 15. Rucola & Grana:** Very good Italian food (pizza and pasta). Around 15 €.
- 16. Stefano's:** Pizzas and pasta. Around 15 €.
- 17. Da Stefano:** Pizzas and pasta. Around 15 €.

Other:

- 18. Arepera Punto Criollo:** Very good 'arepas' (typical from Venezuela, kind of sandwich made of fried corn bread). They have arepas filled with soja meat. 5-10 €.
- 19. Scooter's:** American burgers & pizza. 10-15 €.
- 20. Natural wok:** Wok style food.
- 21. Sushingourmet:** Very good but a bit expensive. 15-20 €.

Good beer to enjoy together with something to eat:

- 22. Beers:** Imported beers. They serve 'tapas', snacks, and American style burgers. Slow serving food but they have a lot of very good beers. Quite crowded after 20:00 and very noisy.
- 23. Catedral:** Imported beers and German 1-meter sausages. Close very late in the evening. Cheap.

Coffee, tea, and cakes:

- 24. Cafetería Palmelita:** German style cakes. They serve also sandwiches and salads. Tea and coffee. 5-10 €.
- 25. Cafetería Cacao:** Good cakes and ice creams. They serve also sandwiches and salads. Tea and coffee. Around 5 €.