

2nd School on Second-Principles Density Functional Theory Methods and SCALE-UP

Thanks for coming to the second school on the use of Second-Principles Density Functional Theory (SP-DFT). We are trying to make this meeting as practical and hands-on as possible. We also hope to build a small community around the methods and focus on developing the code towards its users' needs. For that reason we are asking you to prepare:

Presentations:

Each participant will make a brief presentation (10 min.) about one problem they want to treat using SP-DFT, that will be followed by a brief debate (5 min) on the way to approach the problem. We will provide more details when the final schedule for the school is ready.

Actual applications:

We encourage the participants to bring their first principles data to start working in their own second-principles models and applications and discuss with the organizers. Feel free to contact any of the organizers to make a plan and decide the files you will need.

Organizers:

Jorge Íñiguez (LIST)

Javier Junquera (UC)

Pablo García-Fernández (UC)

Dates

The school will take place the week from July 22 to July 26.

Venue

The workshop will take place in the Science faculty of the Cantabria University (UC) in Santander. Each participant will have access to a computer where SCALE-UP and auxiliary programs are installed. At the end of the meeting the participants will be given access to a web page to download the latest version of the code.

Hotels

The organization of the school does not count with resources to cover the participants' stay. However the organizers recommend booking the hotels as soon as possible. Santander is a touristic destination and hotel vacancies are expected to quickly disappear along with a significant increase in the cost of the rooms. The hotels in the Sardinero area (the beach) are quite nice, can be booked at reasonable prices at the moment and offer excellent communication (bus/walking) with the University.

Travel

Santander Airport (<http://www.aena.es/csee/Satellite/Aeropuerto-Santander/en/>)

The airport has daily flights to Madrid and Barcelona and weekly connections to several secondary airports in many European cities of Europe (London, Edinburgh, Rome, Brussels, Berlin, Dusseldorf, Dublin, ...) operated by the low-cost company [Ryan air](#).

The city can be reached from the airport either by taxi (with a cost of, approximately, 10€) or using a bus that connects with the city center with a frequency of 30 minutes (the ride takes about 10 minutes and costs 2.5€).



Another possibility to reach the city is to fly to the much larger [airport of Bilbao](#) and then make the trip to Santander by bus. In order to do so it is necessary to go [Bilbao central bus station](#) and then take a bus to Santander (the trip takes 1hour 30 minutes). Schedules can be found in the [ALSA webpage](#).