



lofarschool@astron.nl

6th LOFAR Data Processing School

The 6th LOFAR Data Processing School will take place at ASTRON in Dwingeloo (The Netherlands), in the week of **21-25 September 2020**.

RATIONALE

The aim of this School is to introduce the LOFAR system to new members of the community who will analyze both interferometric and high time resolution beam formed LOFAR data. Hands-on sessions will play a crucial role during the School giving attendees an opportunity to gain experience with real LOFAR data.

Students, postdocs, and staff are all encouraged to attend. The School will cover the many aspects of the LOFAR system from the capabilities of the basic station hardware to the software pipelines and science products they produce. Lectures and tutorials will be presented by members of the LOFAR project team as well as staff from the many institutions involved in the collaboration.

INFORMATION FOR THE PARTICIPANTS

Presentations will be given at a level appropriate for someone new to LOFAR. Familiarity with the concepts of radio interferometry and standard data processing software such as CASA, will be useful, but not required. Minimum requirements should include some familiarity with scripting languages and in particular Python. Parallel sessions will address advanced aspects of interferometric and beam-formed calibration and imaging.

Participants are expected to bring fairly recent Linux or MAC o/s laptops with tens of GB of disk space.

Attendance will be limited to approximately 50 people. While initial preference will be given to applicants from teams with accepted Cycle projects, space will also be reserved for applicants from the general astronomical community. *Therefore, all potential LOFAR users are encouraged to apply.*

VENUE AND REGISTRATION

The school will be hosted by ASTRON (Dwingeloo). The participants will be accommodated at the nearby Fletcher [hotel De Borken](#), where *they should make their own reservation and also pay for the accommodation themselves*. Details on how to make the hotel reservation will be circulated at a later stage. *We expect the participants to arrive on Sunday 20 September and depart on Friday 25 September.*

A registration fee of 175 Euro is requested, which will cover a welcoming reception, coffee/tea/lunches during the 5 days of the school, the School dinner on Monday evening, the visit to the LOFAR core, and a shuttle bus service between ASTRON and the railway station on 20 and 25 September.

Food restrictions and dietary requirements can be specified at the moment of the registration. In exceptional cases, financial support may be available. In case you need financial support, we ask you to contact us at lofarschool@astron.nl.

Note that registration to the School is on a first come - first serve basis and limited to approximately 50 participants.

See you in Dwingeloo,
Marco Iacobelli and Emanuela Orrù

Of behalf of the LOFAR School LOC
Marco Iacobelli (chair), Emanuela Orrù (co-chair), Thomas Franzen, Yvonne Huizinga and Marleen Rohmensen