The Sixth LOFAR Data Processing School will take place online in the week of **22-26 March 2021.**

RATIONALE

The aim of the School is to introduce the LOFAR system to new members of the LOFAR community, as well as to present the analysis techniques for processing both the interferometric and the high time resolution beamformed LOFAR data. Students (master / PhD level), postdocs, and staff are all encouraged to attend. The programme will consist of a set of lectures and demos, covering the many aspects of the LOFAR system (from the capabilities of the basic station hardware to the software pipelines and their science ready products) and will be presented by members of the LOFAR project team as well as staff from the many institutions involved in the collaboration.

Online material will also be made available for a subset of topics as a replacement of the face-to-face tutorial sessions. Participants will make use of this material during offline hands-on data processing sessions. Interaction and networking between participants and lecturers will be promoted via Q&A sessions as well as team building activities.

INFORMATION FOR THE PARTICIPANTS

Presentations will be given at a level appropriate for someone new to LOFAR. Minimum requirements should include: (i) some familiarity with the concepts of radio interferometry as well as with (ii) scripting languages and in particular Python. Familiarity with standard radio data processing software such as CASA, will be useful, but not required.

Attendance will be limited to a maximum of 100 people. A*ll potential LOFAR users are encouraged to apply.*

Computing resources

Participants are expected to use fairly recent Linux or MAC o/s laptops with tens of GB of disk space. In order to follow the online material during hands-on sessions, attendees are recommended to have access to computing cluster facilities at their home institutes. The recommended minimum configuration should have at least 16 cores and 128 GB RAM. In

case you need access to computing resources, we ask you to contact us at lofarschool@astron.nl. Only a limited number of requests will be satisfied.

Software

For the tutorials, participants will need to make use of the latest LOFAR software version, as well as other dedicated software packages. To this aim a container with all needed software will be made available in due course before the start of the school. Participants should install python3, Zoom and Slack on their own laptops.

Finally, we expect the participants to test everything 1 week in advance of the start date of the School. More information with instructions will be made available soon in the 'Software' section of the School website (still under development).

More details about the school, including a preliminary version of the programme, can be found here: https://www.astron.nl/lofarschool2021/index.php

REGISTRATION

Registration is now open at https://www.astron.nl/lofarschool2021/registration.php

The deadline for the registration is **19 February**.

We are able to accommodate a maximum of 100 participants. In case of oversubscription, we will make a selection. In that case, we may not be able to offer you a place at the school. Your registration will be confirmed with a formal e-mail at the end of February. In that e-mail, we will also provide you with the details on LOFAR software installation.

Looking forward to see you on Zoom,
Emanuela Orru' and Marco Iacobelli

On behalf of the LOFAR School LOC
LOC: M. Iacobelli (chair), E. Orrù (co-chair), T. Franzen, P. Zucca, M. Tibbe, L. Elpenhof