


RadioNet support for scientific events

Application form for organisers

EVENT INFORMATION	
TITLE	LOFAR Science 2019
PLACE	Leiden – The Netherlands; www.astron.nl/lofarscience2019
ORGANISER'S INSTITUTE NAME	R. Pizzo on behalf of ILT and ASTRON
DATE	20-23 May 2019
NO. OF PARTICIPANTS	100+
TOTAL EVENT COST	28 000 Euro
RADIO.NET SUPPORT	3 000 Euro
OTHER SOURCES OF FUNDING	Registration fees – 20 000 Euro ILT (International LOFAR Telescope) – 5 000 Euro
REQUEST (max. 2 pages)	
Short abstract of the event	<p>The LOFAR Science 2019 meeting will consist of three events:</p> <ol style="list-style-type: none"> 1) The LOFAR Users Meeting – 20 May 2019. The meeting will be organised by the ASTRON Radio Observatory (RO) and will be open to the whole LOFAR community. It will promote a wide-ranging dialogue between the RO and members of the Key Science Projects (KSPs), researchers with approved LOFAR projects, as well as any potential LOFAR users. RO staff will demonstrate the current status of the LOFAR instrument and summarise plans for future development of software and procedures. 2) The LOFAR Community Science Workshop – 21-22 May 2019. This workshop will bring together all active LOFAR users, including members of the KSPs as well as any other researchers from the European and global community involved with, or interested in, LOFAR science. The workshop programme will cover the gamut of the LOFAR science case from cosmology and extragalactic research to galactic, planetary, and solar system topics. It will feature a wide range of talks on exciting new scientific results from the Cycle observing programs. 3) LOFAR 2.0 discussion – 23 May 2019. LOFAR 2.0 is a staged expansion of the scientific and technical capabilities of LOFAR. The sensitivity and discovery potential of LOFAR will be greatly enhanced, enabling pioneering astrophysical research using the lowest radio frequencies visible from Earth. During this session, the plans for the LOFAR upgrade will be presented and discussed in detail with the community of users. <p>Preparations for the meeting have already started. The first two announcements have been circulated very broadly to the Worldwide astronomical community. The conference website is available at http://www.astron.nl/lofarscience2019.</p> <p>The Local Organising Committee (LOC) is composed of Roberto Pizzo (chair), Thomas Franzen, Yvonne Huizinga, Marleen Rohmsen and Pietro Zucca. Confirmed members of the Scientific Organising Committee (SOC) are Marijke Haverkorn (chair; Radboud University, The Netherlands), Marcus Bruggen (University of Hamburg, Germany), Raffaella Morganti (ASTRON, The Netherlands), Hannah Rothkaehl (Space Research</p>

	Centre of the Polish Academy of Science, Poland), Stijn Buitink (Vrije Universiteit Brussel, Belgium), Leon Koopmans (University of Groningen, The Netherlands), Philippe Zarka (Observatoire de Paris, France) and Diana Morosan (University of Helsinki, Finland). The conference programme will include a welcoming reception and a workshop dinner, which will provide an excellent opportunity for networking and discussions.
Relevance for RadioNet	This conference will focus both on the scientific results achieved using the RadioNet facility LOFAR, as well as LOFAR technical development activities which will enable exciting new science opportunities. The event is definitely cross-disciplinary as it will bring together astronomers from all LOFAR KSPs (Cosmic Magnetism of the Nearby Universe, Ultra-high-energy Cosmic Rays, Epoch of Reionisation, Solar Physics and Space Weather, Deep Extragalactic Surveys, Transients and Pulsars) and will trigger discussions between scientists working in different fields. It will explore links to other radio facilities complementary to LOFAR as well as major observatories at other wavebands, thereby broadening the scientific horizon of the participants.
Impact on RadioNet	<p>The meeting will provide an important forum for LOFAR users to give their feedback on LOFAR operations and development, and highlight, where required, the need for improvement or change. It will bring the international LOFAR user community up to speed with the latest LOFAR science results and will promote the exchange of ideas and the development of new collaborations. The Radio Observatory is striving to grow the community of LOFAR users by making more science-ready data available as well as organising events such as this meeting. Special emphasis will be given in the programme to younger members of the collaboration to give them a chance to showcase their results and develop their career.</p> <p>The meeting will include discussions on LOFAR technical development activities which will enable a state-of-the-art and highly productive telescope from 2020-2030; the development of substantially more sophisticated calibration techniques and a major enhancement to the LOFAR station electronics will ensure that the telescope remains unique and scientifically impactful in the SKA-era.</p>
Use of the RadioNet contribution	The RadioNet contribution will cover lunches and coffee breaks for a group of participants (exceptional experts from non-RadioNet institutes bringing added value for the RadioNet community through their talk and speakers from RadioNet infrastructures) the majority of which are young/female.
Ethics	<p>The following ethics principles are associated with this conference:</p> <ol style="list-style-type: none"> 1) There is good gender balance amongst the organising committee members: 50% of the SOC and 40% of the LOC are women. The organisers are committed to strive for gender balance amongst participants who will be financially supported (see point 3). Besides being multi-disciplinary, the composition of the SOC is very international, as it consists of scientists from institutes throughout Europe that host LOFAR stations. 2) The conference will adopt the Dwingeloo code of conduct, which is dedicated to providing a harassment-free conference experience for everyone, regardless of gender, sexual orientation, disability, physical appearance, race, age, political opinion or religion. Harassment of conference participants in any form will not be tolerated. All communication will be appropriate for a professional audience including people of many different backgrounds. 3) Financial support will be available for some students and beginning researchers. 4) Participation will be open to everybody in the astronomical community and there will be no selection based on merit.
<p>Privacy Policy: With signing this template and applying for RadioNet funding, I accept the <u>Privacy Policy of RadioNet</u>, which is based on the EU General Data Protection Regulation (GDPR).</p> <p>Place & Date: <u>Dwingeloo, 31/01/19</u> Signature of the applicant: <u></u></p>	