


## RadioNet support for scientific events

### Application form for an Individual Participant

### (Name: Bernard Duah Asabere)

EVENT INFORMATION	
TITLE	5 <sup>TH</sup> LOFAR Data Processing School 2018
PLACE	Dwingeloo, The Netherlands <a href="http://www.astron.nl/lofarschool2018/index.php">http://www.astron.nl/lofarschool2018/index.php</a>
ORGANISER'S INSTITUTE NAME	<b>Netherlands Institute for Radio Astronomy, ASTRON</b> Dr. Matthijs H.D. van der Wiel (LOC, co-chair) ASTRON Netherlands Institute for Radio Astronomy Email: <a href="mailto:wiel@astron.nl">wiel@astron.nl</a>
DATE	September 17 – 21, 2018
NO. OF PARTICIPANTS	Fifty (50) Maximum
TOTAL COST OF PARTICIPATION	One Thousand and Eight Hundred Euro (1800 Euros)
RADIO NET SUPPORT	One Thousand and Eight Hundred Euro (1650 Euros)
OTHER SOURCES OF FUNDING	From the LOC of the School
REQUEST	
(max. 2 pages)	
Short abstract of the event	<p>The school aims at introducing the LOFAR system to new members of the community who will analyze both interferometric and high time resolution beam formed LOFAR data. The call for participation is opened mainly to expert users, students, postdocs, and staff who are passionate about using LOFAR data for studies, teaching and research. 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 data products. There will be two main sessions during the school: lectures and tutorials. These will be handled by members of the LOFAR project team across Europe and expert staff from some of the institutions involved in the LOFAR collaboration. The tutorials will be hands-on and training sessions, which aims at equipping attendees with the requisite knowledge to be able to handle LOFAR data processing and analysis with ease. This will help broaden the base of the LOFAR project, especially with participants attending from a wider geographical extend. The concepts of radio interferometry, standard data processing software such as CASA and python scripting will among other, will be given attention at the school. There will be parallel sessions for more expert LOFAR users too.</p>

Relevance for RadioNet	<p>I am currently undergoing traineeship in LOFAR science operations at ASTRON on the newly-introduced 12-week “Traineeship in Science Operations with Massive Arrays” programme. This programmes started on 7<sup>th</sup> May and will run till 27<sup>th</sup> July 2018. And I am one the two shortlisted to be trained as telescope scientist. The training programme covers many things from understanding the LOFAR system, preparing and submitting observing proposals via the Northstar tool to delivering quality science data products, except data processing which the period will not permit, based on the timetable. I am now also passionately identified with one of the LOFAR key science projects.</p> <p>With the opportunity to attend the school and cover the data processing session, I will turn up as an “expert user” with time, and I will help ease the regular operational challenges and pressure on the LOFAR science operations and support (sos) team. This is in line with building stronger and diverse LOFAR user community, which is one of the objectives and expectations of RadioNet.</p>
Impact on RadioNet	<p>The LOFAR project is an international project that requests user community come from wider geographical extend. From the experience at ASTRON in the past one month, there is no doubt more user needed top exploit the over 32PB of data that has already accrued in the Long-Term Archive (LTA).</p> <p>With my current position as the manager and lead astronomer of the newly launched 32m radio telescope at the Ghana Radio Astronomy Observatory (GRAO) and the Coordinator/Facilitator of Astronomy development, training, teaching and research in the country, I will lead the crusade of building a viable LOFAR user community in Ghana and in the African sub-region. I am a member (organising and instructing teams) of the regional astronomy summer schools and training programmes, such as the West African International Summer School for Young Astronomers (WAISYA). With firm background in LOFAR operations, system and data processing, I will introduce and invite expert to teach ‘LOFAR’ in our summer schools and other astronomy training and research programmes.</p> <p>My participation in the school will ultimately help in building of stronger and diverse LOFAR user community.</p>
Use of the RadioNet contribution	The contribution from RadioNet will be used to support my travel from Ghana, lodging, subsistence, ground travels, feeding and other logistics all pertaining to the school.
Ethics	I understand all the ethical standings and conditions of RadioNet, and as a participant, I will adhere to all and do as expected of me.
<p><b>Privacy Policy:</b> 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 &amp; Date: _____ Signature of the applicant: _____</p> <p><u>Dwingeloo, July 30, 2018</u> _____ </p>	