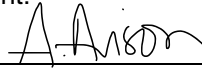


## RadioNet support for training events Application form

EVENT INFORMATION	
TITLE	<b>Interferometric Data Processing Workshop for eMERLIN &amp; ALMA</b>
PLACE	Dublin Institute for Advanced Studies (DIAS), Dublin Ireland.
ORGANISER'S INSTITUTE NAME	Interferometry Centre of Excellence, Jodrell Bank Centre for Astrophysics, University of Manchester
DATE	10-Sept-2018 to 12-Sept-2018
NO. OF PARTICIPANTS	20-25
TOTAL EVENT COST	€2775
OTHER SOURCES OF FUNDING	N/A
REQUEST <i>(max. 2 pages)</i>	
Requested contribution	€2400
Use of the RadioNet contribution	<p>Student travel funding €1200 (6 students at €200 each) Staff travel costs: €1200 (3 staff at €400 each)</p> <p>RadioNet funding will primarily be used for two specific purposes. First, RadioNet funding will be used to provide student travel expenses for the event. While researchers from within and near Dublin will potentially have minimal travel expenses, travellers from other locations in Ireland (e.g. Cork and Belfast) as well as travellers arriving from outside the island would potentially need support. By supporting students' travel to this workshop, it gives them opportunity to learn about the scientific and technical aspects of radio astronomy, to develop interferometry data processing and analysis skills, and to connect with other researchers in the broader community.</p> <p>The other funds will be used to support the travel of three of the workshop instructors from Manchester to Dublin. The Interferometry Centre of Excellence at the University of Manchester has developed considerable expertise in radio astronomy and is ideally placed to disseminate this information to researchers in Ireland.</p>
Impact of training	<p>Despite the presence of multiple astronomy research groups in Ireland, relatively few resources have been devoted to interferometry training in that location. Hence, multiple astronomers in Ireland have indicated interest in a workshop devoted to radio interferometry. This workshop will provide information to astronomers about two of the interferometers supported by the University of Manchester: e-MERLIN and ALMA. Knowledge of these two telescopes in particular, which both can achieve resolutions of tens of milliarcseconds and which combined cover wavelengths from the sub-mm to centimetre, will give the participants a broad overview of scientific applications and interferometry techniques in this frequency range and also the potential to exploit these instruments alone or in combination with other submillimetre, millimetre, and radio facilities.</p> <p>The workshop agenda will include discussions of millimetre and radio astronomy, interferometry basics, specific information about the e-MERLIN and ALMA telescopes, guidance on preparing competitive proposals for these telescopes as well as interferometry facilities in general, and hands-on data processing tutorials using CASA, applicable to a</p>

	<p>number of RN4 facilities (e-MERLIN, EVN, NOEMA, and LOFAR).</p> <p>We anticipate that, as a result of the workshop, astronomers in Ireland will not only be better informed about radio interferometry but will also be more proactive in using RN4 radio facilities, more prepared to process and analyse interferometric data, and more willing to engage with other astronomers on projects involving radio interferometry.</p>
Accessibility	<p>While the workshop will be primarily oriented towards training astronomers in Ireland, no restrictions will be imposed on the participants that can attend the workshop.</p>
Ethics	<p>The staff from the Jodrell Bank Centre for Astrophysics at the University of Manchester will manage the workshop in line with the stated codes of conduct of both RadioNet and their home institution. The University of Manchester code states that the institute is committed to creating an environment where diversity is celebrated and everyone is treated fairly regardless of gender, disability, ethnic origin, religion or belief, sexual orientation, marital status, age, or nationality. Workshop participants will be asked to abide by this equality and diversity policy.</p>
<p><b>Privacy Policy:</b> <i>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).</i></p>	
Place & Date:	Signature of the applicant:
<p><u>UNIVERSITY OF MANCHESTER</u> <u>29/06/18</u></p>	<p></p>