

## RadioNet support for **organisers** of technical events

### Application form

EVENT INFORMATION	
EVENT TITLE	ADASS (Astronomical Data Analysis Software & Systems) conference 2019
EVENT PLACE	MatiniPlaza - Groningen - <a href="http://www.adass2019.nl">www.adass2019.nl</a>
ORGANISER'S INSTITUTE	<p>The organization of the conference is lead by ASTRON, but involves 7 more Dutch institutes:</p> <ol style="list-style-type: none"> <li>1. ASTRON (Netherlands Institute for Radioastronomy)</li> <li>2. JIVE – Joint Institute for VLBI ERIC</li> <li>3. ALMA ARC Leiden – ALMA Regional Center   Allegro</li> <li>4. RUG – University of Groningen</li> <li>5. Leiden University</li> <li>6. SRON</li> <li>7. RU - University of Nijmegen</li> <li>8. UvA – University of Amsterdam</li> </ol> <p>Main organizer: R. Pizzo (<a href="mailto:pizzo@astron.nl">pizzo@astron.nl</a>)</p>
EVENT DATE	6-10 October 2019
NO. OF PARTICIPANTS	~250-300
TOTAL EVENT COST	150 000 euro
OTHER SOURCES OF FUNDING	<p>At the moment, we have secured the following funding sources:</p> <ol style="list-style-type: none"> <li>1. Organizing institutes – 25 000 euro</li> <li>2. Province of Groningen – 5 000 euro</li> <li>3. Industrial sponsors – 3000 euro</li> </ol> <p>A significantly lower registration fee is applied to students. The RadioNet contribution will be very important as it will help us to still cover the costs of the event while the conference is obviously already attracting a numerous young audience.</p>
<b>REQUEST</b> (max. 2,5 pages)	
Requested contribution [EURO]	7000 euro
Use of the RadioNet contribution	The RadioNet contribution will be used to pay part of the catering/venue costs of the event. In particular, this will help us to cover the costs deriving from the participation of an evidently increasing number of students, to whom we apply a much lower registration fee.
Topic	The Astronomical Data Analysis Software and Systems (ADASS) conference is the premier conference for the exchange of information about astronomical software, and it is organized each year by a different hosting astronomical institution, at a different location. The conference provides a forum for astronomers, software

	<p>engineers, and data specialists from around the world to discuss software and algorithms as used in all aspects of astronomy, from telescope operations, to data reduction, to outreach and education. In addition to presenting their work, delegates engage in discussions on emerging technologies and debate future directions in areas such as common data formats, software reuse and data dissemination. As such, ADASS is a vital mechanism to foster discussion for the advancement of the field.</p> <p>The ADASS Conference Series was initiated in 1991. Since that time, the conference has been held annually. A different host institution is selected each year to encourage broad participation by the community. Hosting institutions have been located in the USA, Canada, France, Germany, Spain, UK, Japan, Australia, Italy, and Chile. The Netherlands will host ADASS in 2019.</p> <p><i>In addition to invited talks, contributed talks and poster papers, an important feature of ADASS are the informal workshops and discussions (known as Birds-of-a-Feather — BOF sessions) which cover a wide range of topics, including emerging technologies, data formats, sharing and publication of code. ADASS also hosts tutorials (educational sessions on a subject of general interest and that has the aim to teach skills to participants) and demonstrations of software products. Eventually, institutes and companies/industries involved in the development of software used in various aspects of astronomy are often present at ADASS with a booth to demonstrate and discuss their products and developments and therefore favor the start of new collaborations.</i></p> <p>An overview of the first 20 years of ADASS was published as the special ASP monograph volume "Twenty Years of ADASS" (2013 ASP Conf. Ser. Mon. 6, ed. I. E. Evans), which gives a more complete history of the ADASS conference series and its impact on astronomy. The composition of the POC (Programme Organizing Committee) and of the LOC (Local Organizing Committee) is reported below.</p> <p><u>POC:</u> Nuria Lorente, Chair (AAO), Alice Allen (ASCL/UMD), Christophe Arviset (ESA-ESAC), Pascal Ballester - POC Exec (ESO), Sebastien Derriere (CDS/France), Kimberly DuPrie (STScI), Mike Fitzpatrick - POC Exec (NOAO), Stephen Gwyn (CADM), Jorge Ibsen (ALMA), Kathleen Labrie (Gemini), Mark Lacy (NRAO), Jim Lewis (IoA), Jessica Mink (SAO), Fabio Pasian (INAF), Roberto Pizzo (ASTRON), Keith Shorridge - POC Exec (K&amp;V), Tadafumi Takata (NAOJ), Peter Teuben (UMD), Xiuqin Wu (IPAC).</p> <p><u>LOC:</u> Roberto Pizzo, Chair (ASTRON), Marjan Tibbe (ASTRON), Liesbet Elpenhof (ASTRON), Emanuela Orru' (ASTRON), Jan David Mol (ASTRON), Yan Grange (ASTRON), Jet de Vries (ASTRON), Arpad Szomoru (JIVE), Harro Verkouter (JIVE), Remo Tilanus (ALMA ARC), Gijs Verdoes Kleijn (Kapteyn Institute), Erik Deul (Leiden University), Steven Bloemen (RU Nijmegen), Jelle de Plaa (SRON), Antonia Rowlinson (UvA).</p>
<p>Relevance for RadioNet</p>	<p>ADASS is very much in line with the RadioNet goals. It provides a unique forum to astronomers, software engineers, and data scientists to advance astronomical data analysis tools and techniques for the scientific exploitation and handling of astronomical data in all bands of the electromagnetic spectrum, from radio to X-ray. In this respect, it can be considered the <i>premier</i> event of this kind and of this size taking place every year. The event is not only cross-disciplinary because of its multi-wavelength nature, but also because it discusses topics relevant to various technical areas of astronomy, ranging from multi-wavelength astronomy, open data access and provisioning, data science challenges, data visualisation, delivery of accessible and science-ready radio data, local and global cloud infrastructure for processing and storage, data discovery across heterogeneous datasets, telescope operations and scheduling, evolution of software development and management, and data processing pipelines.</p> <p>All these topics are relevant to the RadioNet facilities and the conference will undoubtedly favour their further development. In particular, ADASS2019 will be a crucial and very timely opportunity for the LOFAR and ALTA communities to present e.g. the most recent developments and challenges in handling and</p>

	<p>scientifically exploit big data in preparation for SKA. By doing so, they will bring these developments to the attention of the broad software engineer community attending the conference, from both other astronomical institutes and industries. This way, communication in both directions will be realized with an enormous impact for the development of new collaborations and realisation of software solutions.</p>
Impact	<p>Given its rationale, ADASS2019 will significantly contribute to the growth of all RadioNet facilities towards next generation astronomical techniques and research. It will engage astronomers, engineers, developers, and instrument specialists in a very constructive dialogue which will eventually enable improved tools/ procedures, and techniques at many observatories around the World, including LOFAR and APERTIF. Moreover, as explained above, it is expected that, through this conference, the collaboration between astronomers and software engineers at other astronomical institutes and in industries will be strengthened and that the sharing of information will be extremely beneficial to all parties. Eventually, it is expected that through ADASS2019 the number of users of various RadioNet facilities will grow, as attendees that are not yet engaged with these instruments, will be given an extensive overview of the capabilities and incredible potential of their data and techniques, such as those of LOFAR, EVN, and ALTA/APERTIF.</p>
Ethics	<p>The following ethics principles are associated with this conference:</p> <ol style="list-style-type: none"> <li>1. Gender balance plays an important role in this event. 32% of the POC (Programme Organizing Committee) and 31% of the LOC are women. Gender balance will also play a crucial role during the selection (i) of the experts in various themes that will be invited to present at the conference and (ii) of the contributed speakers. As an example, ~35% of the speakers at ADASS2018 were women and we intend to improve this further at ADASS2019. Besides being multi-disciplinary, the composition of the POC and of the group of invited/contributed speakers is also very international, as it consists of representatives from the countries/instruments that play a major role in advancing astronomical software and data analysis techniques presented at this conference.</li> <li>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.</li> <li>3. Financial support from RadioNet will help us to cover the costs related to the participation of students, to whom we apply a significantly lower registration fee.</li> <li>4. Participation will be open to everybody in the community and there will not be any selection on merit.</li> </ol>
<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>	
Place & Date:	Signature of the applicant:

Dwingeloo, 14 June 2019

