

RadioNet support for **organisers** of technical events

Application form

| EVENT INFORMATION | |
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| EVENT TITLE | ADASS (Astronomical Data Analysis Software & Systems) conference 2020 |
| EVENT PLACE | Granada, Spain (Hotel Abades Nevada Place). https://adass2020.es |
| ORGANISER'S INSTITUTE | <p>IRAM</p> <p>Some members of the LOC are affiliated with IAA (Istituto de Astrofisica de Andalucia), UGr (Universidad de Granada) and Eurocongres, a private company helping with the technical secretariat of the conference.</p> <p>Main organizer: Francesco Pierfederici (fpierfed@iram.es)</p> |
| EVENT DATE | November 8-12, 2020 |
| NO. OF PARTICIPANTS | We expect a little over 300 participants. |
| TOTAL EVENT COST | 130,000 EUR |
| OTHER SOURCES OF FUNDING | <p>At the moment, we do not yet have secured any level of funding, apart from verbal commitments of the order of a few thousand Euros from IRAM and IAA.</p> <p>One thing to note is that, as customary for the ADASS conference series, a significantly registration fee discount of 55% is offered to students and retirees. The RadioNet contribution would be key in being able to afford such low registration fees and attract a large number of young astronomers at an early stage in their careers. Previous editions saw roughly 15% of participants being students.</p> |
| REQUEST <i>(max. 2,5 pages)</i> | |
| Requested contribution [EURO] | 8580 EUR |
| Use of the RadioNet contribution | <p>The RadioNet contribution will be used to pay for the venue and A/V rental (the rental of the plenary room, three breakout rooms, WiFi setup, projectors, loudspeakers and microphones).</p> <p>We will reflect these cost savings directly to younger participants by offering them a significantly reduced (55% discount) registration fee with the idea of attracting a significant number of students. Previous editions saw roughly 15% of participants being students.</p> |
| Topic | <p>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 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</p> |

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| | <p>year to encourage broad participation by the community. Hosting institutions have been located in the USA, Canada, France, Germany, Spain, UK, Japan, Australia, Italy, Chile and the Netherlands.</p> <p>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.</p> <p>Additionally, institutes and companies involved in the development of software and hardware 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.</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>POC: Kathleen Labrie - Chair (Gemini), Christophe Arviset (ESA-ESAC), Pascal Ballester (ESO), Sebastien Derriere (CDS/France), Kimberly DuPrie (STScI), Mike Fitzpatrick - POC Exec (NOAO), Stephen Gwyn – Deputy Chair (CADC), Jorge Ibsen (ALMA), Brian Kent (NRAO), Nuria Lorente (AAO), Jessica Mink (SAO), Fabio Pasian (INAF), Francesco Pierfederici (IRAM), Roberto Pizzo (ASTRON), Yuji Shirasaki (NAOJ), Keith Shortridge (K&V), Mark Taylor (UoB), Peter Teuben (UMD), Xiuqin Wu (IPAC).</p> <p>LOC: Francesco Pierfederici - Chair (IRAM), Antonio Cordoba (IRAM), Alicia Gambetta, Angela Gardini (UGr), Jose Enrique Ruiz (IAA), Enrique Brias (Eurocongres), Christina García Luján (Eurocongres), Maria Jesús Martín (Eurocongres), Elisabeth Casares (Eurocongres).</p> |
| Relevance for RadioNet | <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.</p> <p>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 visualization, 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 favor their further development.</p> <p>In particular, ADASS 2020 is organized by IRAM and is following the 2019 edition which took place in the Netherlands and was organized by ASTRON and other radio institutes there. The 2021 edition is likely to take place in South Africa. All of this makes ADASS 2019-2021 a unique forum to showcase advances in radio astronomy projects and raise the involvement of the radio community in this forum.</p> <p>Two, and possibly three “radio-heavy” ADASS conferences will bring the important radio projects like NOEMA, LOFAR, SKA and others to the attention of the broad software engineer community attending the conference, from both other astronomical institutes and industry. This way, communication in both directions will be realized with an enormous impact for the development of new collaborations and realization of software solutions.</p> |

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| Impact | <p>Given its rationale, ADASS 2020 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 IRAM, LOFAR and SKA. 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 ADASS 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.</p> |
| Ethics | <p>The following ethics principles are associated with this conference (in general and for the 2020 edition in particular):</p> <ol style="list-style-type: none"> 1. Gender balance plays an important role in this event. 26% of the POC (Programme Organizing Committee) and 55% 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, roughly a little over 1/3 of the speakers at ADASS have been women in the last few years and we intend to improve this further going forward. 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. 2. The conference has a community-standard 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 from RadioNet will help us to cover the costs related to the participation of students, to whom we apply a significantly lower registration fee. 4. Participation will be open to everybody in the community and there will not be any selection on merit. |

Privacy Policy: With signing this template and applying for RadioNet funding, I accept the Privacy Policy of RadioNet, which is based on the EU General Data Protection Regulation (GDPR).

Place & Date:

Granada, Spain, January 24, 2020

Signature of the applicant:

Francesco Pierfederici

