RadioNet support for organisers of training events
Application form

EVENT INFORMATION	
TITLE	CESRA 2020 Summer School (CESRA stands for the Community of European Solar Radio Astronomers; http://cesra.net)
PLACE	Prague, Czech Republic
ORGANISER'S INSTITUTE NAME	1) Institute of Atmospheric Physics, The Czech Academy of Sciences, Vratislav Krupar, Research Scientist at Department of Space Physics, vk@ufa.cas.cz 2) University of Glasgow, Eduard Kontar, Reader at School of Physics and Astronomy, Eduard.Kontar@glasgow.ac.uk
DATE	24 – 28 August 2020, alternative date: 31 August – 4 September 2020
NO. OF PARTICIPANTS	30 students + 10 lecturers
TOTAL EVENT COST	€4,000 + (€6,000 requested)
OTHER SOURCES OF FUNDING	Conference room at the Institute of Atmospheric Physics will be provided for free (funding by the Institute for €2,000) Lunches and coffee breaks will be provided by the Institute of Atmospheric Physics for €2,000

REQUEST *(max. 2 pages)*	
Requested contribution	€6,000 (= €30 x 5 days x 40 participants)
Use of the RadioNet contribution	The requested amount will help funding participants to attend the meeting and cover the cost of their stay in Prague. We aim at an individual support equivalent to 30 EUR per day, to cover cost for dinner and help cover the cost of lodging. Participants will have to find a dedicated budget for travelling to Prague and fund most of their lodging cost. This allowance will be provided to all students and some of the teachers who might need support. The overall budget amounts to: €4,000 for the organization of the event, that will be fully based on internal funding. We request financial support for helping students and a few lecturers to attend. This summer schools aims at training students in solar physics for the use of radio diagnostics in the study of solar eruptive events and of the quiescent solar atmosphere. It will provide basics knowledge in solar radio astronomy: physics, instrumentation and techniques, and will make students familiar with tools and software used by the community (Solarsoft, Python, CASA...). Emphasis will be put on new or recently renovated facilities used in solar physics (LOFAR, ALMA, NRH), some of which being supported by RadioNet.
Impact of training	The solar radio astronomy community is at a turning point: on one hand, research groups purely devoted to solar radio physics are either shrinking or being merged in broader scope solar physics or astrophysics research teams. This is true in domains related to theory, observation and instrumentation. On the other hand, new instruments have come on-line in the past years (LOFAR, ALMA, EVLA), have been renovated (NRH) and new small facilities have emerged (Callisto network, Humain Observatory in Belgium). For many young researchers and students, remote sensing investigation of the solar corona consists essentially on EUV, soft X-rays or white light observations coming from successful space

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	missions. With the imminent launch of solar missions (Solar Orbiter and Parker Solar Probe), radio diagnostics might look even less obvious as innovative and valuable means of investigating the physics of the solar corona. We aim, with this summer school, to make students aware of the existence and value of solar radio astronomy as a unique or complementary tool for the study of the Sun's activity. New radio facilities provide large amount of data that require new ways of processing or modelling and for which the community is just starting to evaluate the richness and complexity. During exercise sessions, students will get accustomed to data sets coming from these facilities and to the associated software and will put them in context of contemporary solar physics issues.
Accessibility	The facility at the Institute of Atmospheric Physics can host up to 30 students. It will be open preferentially to students holding a master's degree in Physics or Astrophysics, or students in technical domains connected to solar radio astronomy. The organisers will ask any potential student to write a short motivation letter (about half a page) briefly mentioning their scientific background and reasons for attending this school. We will encourage students not necessarily familiar with radio-astronomy to apply. Motivations letter will be reviewed by the scientific committee (made of board members of CESRA) together with the LOC's head (Vratislav Krupar). We aim at a deadline towards the mid – or end of April 2020 to let students find affordable accommodation and transportation to Prague.
Ethics	Scientific institutes depending from the Czech government follow a strict policy banning any discrimination based on gender or ethnicity. Organisers of this event will make sure that this policy is enforced during the selection process of the students and will contact teachers according to the same principles.

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:

Signature of the applicant:

Prague on June 30

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