



LOGO

RFI 2024

Call for papers

October 14-18, 2024

Bariloche, Argentina

Spectrum sharing has become challenging due to an ever-growing demand for spectrum access by a wide range of emerging radio services, which in turn leads to an increasing risk of Radio Frequency Interference between spectrum users. This is particularly true for passive scientific services such as radio astronomy, remote sensing, or meteorology, where sensitive measurements must be carried out beyond protected frequency bands due to the laws of nature.

Protecting the scarce radio spectrum resources for science while accommodating the needs of other spectrum users can only be achieved in a joint effort. RFI 2024 offers the venue to promote interaction, exchange of ideas and points of views, and cooperation between researchers, engineers and users from all radio science disciplines dealing with RFI, uniting them under the common goal of working on solutions to minimize the impact of interference. RFI 2024 is the seventh in a series of workshops focusing on this topic, the first of which took place in Bonn, Germany, in 2001.

Meeting Format

This will be an in-person meeting. Exceptionally remote presentation and/or attendance may be allowed. Attendees who require this should contact the relevant Chairs.

Important Dates

Full paper submission deadline: 14 May 2024

Paper acceptance notification: 14 July 2024

Attendee and author registration: 14 August 2024

Conference: 14-18 October 2024

Abstract submission

Authors are invited to submit full papers of up to 5 pages on the following topics:

- Reports from WRC 2023
- Defining and quantifying RFI
- Spectrum management and frequency allocations processes
- RFI spectrum monitoring from space
- Radio Quiet and Dynamic Zones
- RFI as signals of opportunity
- Single and multi-antenna signal processing
- RFI detection and prediction techniques
- ML/AI applications to RFI mitigation
- Flagging and excision techniques
- Pre- and post-correlation techniques
- Real-time RFI management
- RFI monitoring, classification, databases
- Future sources of RFI

Website

Further information about the workshop can be found on the event website:

rfi-conference.org