



October 14-18, 2024
Bariloche, Argentina

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

Abstract submission deadline: 14 July 2024

Abstract acceptance notification: 4 August 2024

Attendee and author registration (early-bird): 25 August 2024

Conference: 14-18 October 2024

Abstract submission

Authors are invited to submit abstracts of up to 2 pages on the following topics:

- Reports from WRC 2023
- Defining and quantifying RFI
- Spectrum management, including planning, licensing, monitoring, and other processes
- Spectrum and RFI monitoring (incl. from space)
- Radio Quiet and Dynamic Zones
- RFI as signals of opportunity
- Other radio interference or spectrum-related topics
- 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 classification and databases
- Future sources of RFI

Website

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

rfi-conference.org