



RFI 2027

Call for Papers

RFI 2027 Conference
April 26–30, 2027
Amsterdam, The Netherlands

Overview

Spectrum sharing is becoming increasingly challenging due to growing demand for access by a wide range of emerging radio services. This growth increases the risk of **radio frequency interference (RFI)** between spectrum users.

The challenge is particularly acute for passive scientific services such as **radio astronomy, Earth remote sensing, and meteorology**, where extremely sensitive measurements must be carried out in frequency bands defined by the laws of nature.

Protecting the scarce radio spectrum resources required for science, while accommodating the needs of other users, requires close collaboration across disciplines. **RFI 2027** provides a forum for scientists, engineers, regulators, and industry to exchange ideas and develop solutions to mitigate interference. The RFI conference series began in Bonn, Germany, in 2001 and continues to bring together the international community working on RFI detection, mitigation, and spectrum management.

Topics of Interest

Authors are invited to submit abstracts on topics including:

- Spectrum management, regulation, and policy
- Reports from recent regulatory processes
- Defining and quantifying RFI
- Spectrum and RFI monitoring (including from space)
- Radio Quiet Zones and dynamic spectrum sharing
- RFI detection, classification, and prediction
- Single- and multi-antenna signal processing
- Pre- and post-correlation mitigation
- Real-time RFI mitigation and system design
- Machine learning and AI applications to RFI
- RFI flagging and excision
- Future sources of RFI
- RFI as signals of opportunity
- Databases and statistical characterization of RFI
- Other interference and spectrum-related topics

Important Dates

Abstract submission opening:	September 1, 2026
Abstract submission deadline:	October 15, 2026
Authors notification:	December 15, 2026
Registration opening:	December 15, 2026
Registration deadline:	March 1, 2027
Conference:	April 26–30, 2027

Submission

Abstracts should be submitted through the conference website:

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Templates and additional instructions will be made available online.