

# Location & Venue & Organization

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The Multistatics & Passive Radar Focus Days is organized by D. W. O'Hagan, D. Cristallini, and M. Weiß and will be hosted by Fraunhofer FHR, 53343 Wachtberg, Germany.

# Submission and Registration

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You are cordially invited to submit a 200 word abstract outlining your contribution prior 31. July 2023. The final presentation will be due 10. October 2023 to be included in the proceedings.

To register please send in the following information: first and surname, address and IDcard number to Ms. Marion Winandy (email: marion.winandy@fhr.fraunhofer.de prior 15. September 2023 (as an author) or 01. October 2023 (as participant).

## Contact

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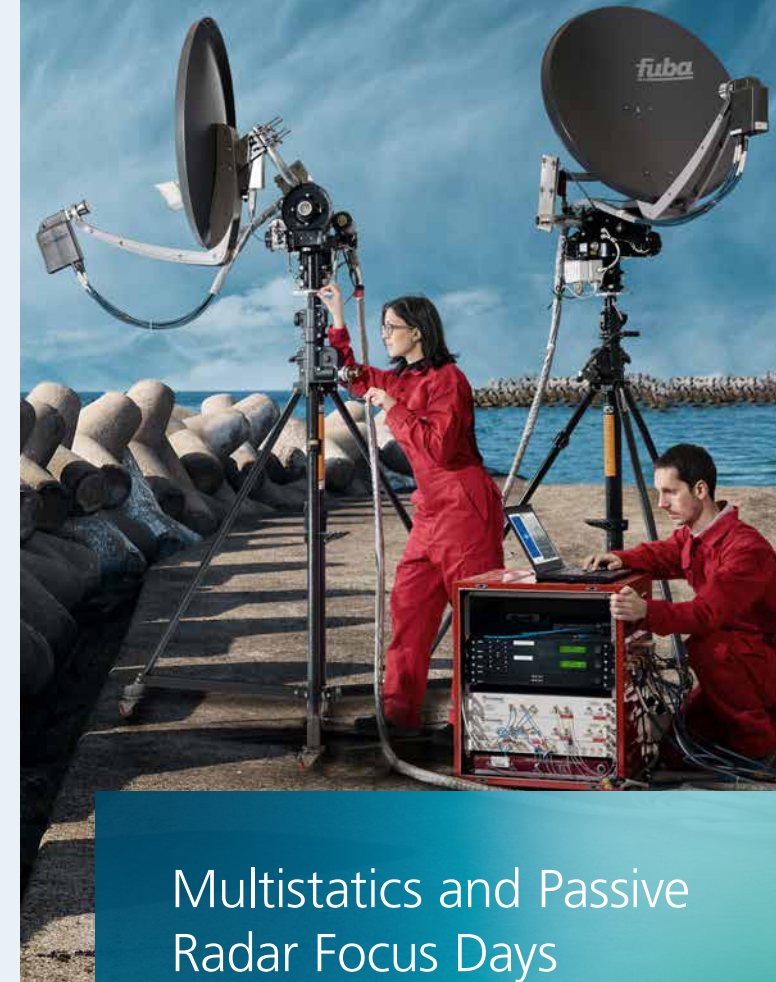
<https://www.fhr.fraunhofer.de/focusdays>

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**Fraunhofer**  
FHR

Fraunhofer Institute for  
High Frequency Physics and  
Radar Techniques FHR



# Multistatics and Passive Radar Focus Days

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17.-19. October 2023, Wachtberg, Germany

**We are pleased to announce that the biennial Multistatics & Passive Radar Focus Days will take place again as an inperson event in 2023. The Focus Days will start at lunch (12:00) on Tuesday 17th October and run until lunch (12:00) on Thursday 19th October 2023.**

## Scope

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The 2023 event aims to strongly reflect trends in sensor connectivity in a System-of-Systems (SoS) context. To this end, contributions such as sensor synchronization, Multi-Functional RF Systems, and RadarComms are welcomed. Moreover, Passive Radar “knowhow” is increasing in relevance for both System-of-Systems and new usecases. For example, Passive Radar on flying platforms is an important knowhow for several national and international defence projects. Similarly, Passive Radar based on new Illuminators-of-Opportunity, including megaconstellations like Starlink has many use cases from surveillance to diverse Remote Sensing applications. Enhancing air, ground, and maritime surveillance by passive radar or by a network comprising several radars is a demonstrated technique for numerous defence, security, and civilian surveillance applications. The objective of the 2023 event is to bring together the expertcommunity and the enduser community to share experiences and insights.



## Key aspects

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Contributions from:

- PCL and PET System design
- Operational requirements
- Optimal Sensor-System geometry
- System performance evaluation
- PCL Processing
- Signal processing of nonradar waveforms
- PCL Measurements
- Target classification approaches in passive Radar
- Countermeasures against PCL and PET
- 3D capability
- ...

## Participants

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The Focus Days will be application-orientated to offer our guests from military, industry, research institutes and academia insightful details on the state-of-the-art of Multistatics and Passive Radar and their enabling technologies. Participation is open to nationals of NATO member countries, certain PfP nations and to selected partner countries.