

8th Workshop on Advanced RF Sensors and Remote Sensing Instruments

ARSI'24



The workshop is a venue for experts from industry, research organizations and the public sector to share and present the latest advances on RF remote sensing technology, concepts, processing and systems.

The workshop will cover the spectrum of RF remote sensing instruments: radiometers, sounders, scatterometers, altimeters, synthetic aperture radars and more. It will address a wide range of topics including cutting edge advances in mission design, science objectives and applications, instrument technology and signal processing.



Abstract Submission Deadline	31 May 2024
Registration Open	27 June 2024
Notice of Acceptance	27 June 2024
Publication of Preliminary Programme	27 June 2024
Presenter Registration Deadline	13 September 2024
Early Registration Deadline	13 September 2024
Publication of Final Programme	20 September 2024
Presentation/Revised Abstract	18 October 2024
Workshop	4-6 November 2024



ESA/ESTEC, Noordwijk, The Netherlands

4-6 November 2024

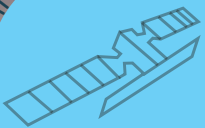
ARSI'24

SYSTEMS & MISSIONS



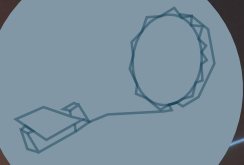
- Systems and Sensors
- System Simulation and Modelling
- Formation Flying
- Innovative Concepts and Applications
- Bi- and Multi-Static Radar
- Active Instruments
- Passive Instruments and Radiometers
- Space Science and Planetary Instruments
- Cubesat and Mini-Satellite Instruments

TECHNOLOGY & SUBSYSTEMS



- Instrument Front-Ends
- Sub-Systems
- Digital Beamforming
- Calibration and Validation
- Atmospheric and Ionospheric Corrections
- On-Board Processing
- Machine Learning and Artificial Intelligence

APPLICATIONS



- Crisis and Disaster Management
- Urban Development
- Local DEMs and Cartography
- Reconnaissance and Surveillance Tasks
- Ship/Boat Detection and Classification
- Geology, Hydrology and Land Use
- Glaciology, Oceanography
- Climate and Atmospheric Monitoring
- Geodesy

ORGANIZING COMMITTEE



ishuwa.sikaneta@esa.int
petronilo.martin.iglesias@esa.int
salvatore.daddio@esa.int
marc.zimmermanns@esa.int
erio.gandini@esa.int
david.cuadrado@esa.int
lorenzo.iannini@esa.int
francesca.ticconi@esa.int
ernesto.imbembo@esa.int

