

FRINGE 2023 Programme and Objectives



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Bradford

Leeds

FRINGE 2023

University of Leeds, UK | 11 - 15 September 2023.

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→ THE EUROPEAN SPACE AGENCY

Past FRINGE workshops



fringe ADVANCES in SAR Interferometry from ERS and ENVISAT missions
ESA ESRIN 2 - 5 December 2003
Frascati, ITALY

2003 WORKSHOP

first announcement and call for papers

→ **FRINGE 2009**

Advances in the Science and Applications of SAR
From the ERS, Envisat and 3rd party missions

FIRST ANNOUNCEMENT AND CALL FOR PAPERS

30 November - 4 December 2009 | ESA-ESRIN | Frascati (Rome) Italy

→ **FRINGE 2017 WORKSHOP**

Advances in the Science
Sentinel-1 InSAR Workshop

5-9 June 2017 | Aalto University | Helsinki, Finland



FRINGE 2005
ADVANCES IN SAR INTERFEROMETRY FROM ENVISAT AND ERS MISSIONS
FIRST ANNOUNCEMENT AND CALL FOR PAPERS

28 November - 2 December 2005 • ESA ESRIN • Frascati • Rome • Italy

→ **FRINGE 2011 WORKSHOP**

Advances in the Science and Applications of SAR Interferometry

FRINGE 2007
ADVANCES IN SAR INTERFEROMETRY FROM ENVISAT AND ERS MISSIONS
FIRST ANNOUNCEMENT AND CALL FOR PAPERS

26th-30th November 2007
ESA ESRIN • Frascati • Rome • Italy

→ **FRINGE 2015 WORKSHOP**

Advances in the Science and Applications of SAR Interferometry and Sentinel-1 InSAR Workshop

23-27 March 2015 | ESA-ESRIN | Frascati

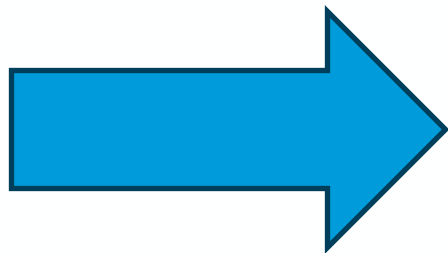
FRINGE 2021

31 May - 4th June 2021 VIRTUAL EVENT



Workshop Objectives

- ❖ To bring together the global InSAR scientific communities, and facilitate international exchange of ideas;
- ❖ To present the Sentinel-1 mission status, algorithms and products; as well as the status of future InSAR missions under preparation.
- ❖ To review the progress according to the recommendations voiced at FRINGE 2021;
- ❖ To consult the InSAR communities to prepare ESA for starting supporting R&D activities for Sentinel-1 FG & NG, BIOMASS, ROSE-L and Harmony.



ESA needs your inputs!



Fringe 2023
Session
Summaries



Fringe 2023
Recommendations

Fringe 2023 in numbers



- ~480 participants counting on-site late registrations
- 390 abstract submissions from 48 countries.
- 133 oral presentations / 260 poster presentations / 19 oral sessions + 1 poster session (split over two days)
- **3 ESA Sessions**
 - Sentinel-1 (Monday)
 - Future ESA InSAR Missions (Tuesday)
 - Summary Session (Friday)
- **6 theoretical/technical sessions**
 - Atmosphere and Ionosphere
 - SAR Geodesy and InSAR atmospheric corrections
 - InSAR Methods
 - Advances in InSAR Theory
 - Missions
 - AI and Machine Learning
- **10 applications/services sessions**
 - Data Products and Services
 - Ice and Snow
 - Ground Motion Services
 - Displacements and Deformations
 - Volcanoes
 - Earthquakes and Tectonics
 - The 6 February 2023 Türkiye Earthquake Sequence
 - Thematic Mapping
 - C- and L-band Synergies: ESA-JAXA cooperation and beyond
 - Landslides



PROGRAMME OVERVIEW



Daily Plenary and Parallel sessions between the Auditorium I, Auditorium II and Roger Stevens 17

Coffee breaks at 10:40 and 15:40

**FRINGE EXHIBITION
AT THE EXHIBITION/POSTER AREA
OPEN THROUGHOUT THE WEEK**

WELCOME
Drink on Monday*

Session on Tuesday*

Gala Dinner on Thursday

Fringe Jam session at the Campus

Non hosted FRINGE at Headingley Stadium

Oral Presentations

- Presenters are given a 20-minute presentation slot, including time for questions and answers.
- Speakers will be given a 3-minute warning before the end of their allotted time.
- Presenters should be in their session room 15 minutes before the session begins at the latest, and identify themselves to the session chairs;
- Presentations shall be uploaded using the computer in the Speaker Ready area (Registration hall), they can be uploaded at any time from the start of the meeting but no later than 30 mins before session starts.
- All presentations must be run from the presentation computer, in **.ppt** or **.pdf** format;
- Technical support is available in the presentation rooms to start your presentation for you.
- The presentations will be streamed live online, and they will be accessible later via the ESA EO Open Science YouTube-channel.

Poster Presentations

- One free poster session, split on Tuesday & Thursday afternoons at the exhibition hall from 16:30 to 19:00;
- You can hang your poster when you arrive and leave it up for the duration of the workshop.

Instructions to Chairpersons

- Each session will be run by the 2 co-chairs, who shall introduce the speakers and strictly enforce the session schedule.
- Speakers shall be given a 3-minute warning before the end of their allotted time.
- The Round Table Discussion shall be run by all the Chairs together.
- Based on the Session and Round Table Discussion, the Chairs shall prepare together a Session Summary & Recommendations, which will be presented by one of them at the Friday's Session Summaries from 11:30 to 13:30 in the Auditorium I.

The Fringe Fringe – Musical evening, Tuesday

- ❖ Join friends and colleagues at the legendary University of Leeds music venue, "The Refectory", where the Who recorded their famous "Live at Leeds" album, for an evening of music, sponsored by SatSense Ltd and Space Hub Yorkshire.
- ❖ Featuring performances from new InSAR supergroup, "The InStARs" and headliners, "Let it Beatle".
- ❖ Doors open at 7PM, with music from 8-10.30 pm.
- ❖ Tickets are free (from registration desk), and complementary drinks vouchers are available from the SatSense stand in the exhibition hall (while stocks last!)
- ❖ If you have pre-ordered food for this event, it is served at 7.30 pm



Non hosted FRINGE Gala Dinner on Thursday 14 September

The Gala Dinner takes place at the Headingley Stadium from 19.00 onwards. A shuttle bus will be taking all the participants who have registered to the Dinner from the Campus at 18:45, the bus in rotation for the return, are going with the first one departing at 21:45 and the last one at 23:00. The participants who registered to the dinner during the Registration to the workshop, can pay the cost at the registration desk, if it was not done online. The Dinner cost is 50 € and it consists of the following menu:

Standard Menu

- ❖ *Creamy white onion and thyme - Cheddar cheese crouton (V)*
- ❖ *Cherry and balsamic glazed roast duck breast - Seared chicory, Dauphinoise potato*
- ❖ *Glazed lemon and lime tart, Sweet meringue, passion fruit curd*

Vegan Menu:

- ❖ *Red lentil, carrot and celery-Parsley oil and croutons*
- ❖ *Sweet potato and spinach baklava, with sea salted sautéed potatoes*
- ❖ *Chocolate Truffle*



Organisers, Sponsors and Exhibitors



Sponsors



Exhibitors



ENJOY THE WORKSHOP!

#ESAFRINGE23

