

What is the workshop and who attends

We want to bring together the worldwide accelerator community and other industries to exchange experiences in designing, testing, commissioning, operating, and maintaining reliable facilities. This workshop aims to stimulate information sharing **on technical issues and challenges faced, common cultural and human factors, and future opportunities.**

The workshop format of ARW means that the presentation sessions are complemented with discussion sessions which account for roughly 50% of the workshop time. These sessions place more focus on engagement and allow participants to openly raise topics and questions and receive feedback from a network of peers who either have had, or will have, similar experiences from their facility. **The aim of this format is to get the participants more actively involved in the topics and helping to establishing a strong and mindful dialogue and exchange of ideas.**

Topics cover facilities from the operations, physics and engineering perspective and participants represent people from all backgrounds including technicians, engineers, physicists, management and operators.

Visit our facilities!

A tour of both the labs is scheduled to show our outstanding capabilities such as our high brightness ring and linear accelerators, SRF labs, experimental halls, and cryogenic plant.

MAX IV is the first worldwide realisation of a fourth-generation light source, which has opened opportunities to develop experimental techniques based on outstanding brightness and coherence. The facility is in stable operation since 2017, currently delivering approximately 5000 beamline-hours per year on each of its three accelerators to a total of 16 beamlines.

European Spallation Source is aiming to be the brightest neutron spallation source worldwide, and has finalized the commissioning of the normal conducting linear accelerator. The facility is progressing in the construction project and preparing for beam on target in 2025 with an initial scope of 15 neutron beam lines and instruments.



What former participants say

"I don't think I've attended a workshop where I've **interacted with so many people** over such a short time – **which was terrific.**"

"The opportunity for **breakout sessions** was a new experience for me and I think they are a **fantastic feature.**"

"I was particularly impressed by the **plenary discussion**, where carefully chosen questions were used to guide the discussion. The effectiveness and benefit of this process are apparent – and **it changed my mind convincingly.**"

Ready to discuss with us?

ESS and MAX IV are excited to welcome you to

**Helsingborg, Sweden, at the
SEA U conference centre from
2024-06-23 until 2024-06-28!**

Please pre-book these dates and then **JOIN US in 2024** in Sweden! Registration will open in December 2023 and will be made available through **www.arw24.com**.

ARW 2024 PROGRAMME

Accelerator Reliability Workshop 2024-06-23 until 2024-06-28

Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
08:30 - 10:00		LOC/IOC Welcome and Workshop Introduction	Machine Learning & Artificial Intelligence & Automatic Prediction of Failures	How to Establish/Ensure/Maintain/Evolve a Reliability Integrity Culture?	Reliability of Medical Facilities	Lightning Interactive Discussions Feedback What do you want to see at next ARW? Award for best disaster picture and best poster
10:00 - 10:30	Arrival	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
10:30 - 12:00		Panel Discussion	Failures / Unintended Consequences & Analysis Techniques	Breakout Session I and II	Talks from Invited Speakers	Summary of Breakout sessions Future Announcements on ARW 2026 and WAO 2025
12:00 - 13:30		Lunch & Talk	Lunch & Talk	Lunch & Talk	Lunch & Talk	Lunch & Talk
13:30 - 15:00		Plenary Discussion Session	Poster Session		New Technologies & Effect on Reliability +Robotics, IoTs	
15:00 - 15:30	Registration	Coffee Break + Cake + Fruits	Coffee Break + Cake + Fruits	ESS + MAX IV visits	Coffee Break + Cake + Fruits	Excursion
15:30 - 17:00		Reliability during Procurement, Installation, Commissioning, and Upgrades	Maintenance Methodologies (predictive, RCM, preventive)		Breakout Session III and IV	
17:00 - 17:30		Break	Break	Break	Break	
17:30 - 21:30	Reception, Registration, Mingle					
19:00 - 22:30				Banquet Dinner		

ARW 2024

Accelerator Reliability Workshop

MAX IV and ESS are Excited and Pleased to Announce their Joint Hosting



Establish or expand your network and gain valuable information and interesting insights from the ARW community - even if you are not a reliability or accelerator expert.

2024-06-23 - 28 SEA U conference centre Helsingborg, Sweden