

## Hosting institution



The European Synchrotron radiation Light Sources (ESLS) Radio Frequency (RF) Workshop is a platform dedicated to exchanging experience, best practices, and innovative ideas in RF electron beam acceleration. Elettra Sincrotrone Trieste gladly hosts this meeting for the third time, with a special significance as we approach our celebrations marking 30 years of light of Elettra (1993 - 2023).

With a legacy dating back to 1997, the ESLS RF Workshop draws RF experts from across Europe's research infrastructures with one mission: to explore the many aspects of RF acceleration, ranging from electron beam dynamics to RF hardware deployment.

This collaborative forum offers a unique chance to connect, discuss, and shape the RF acceleration landscape.

## Attending institutions

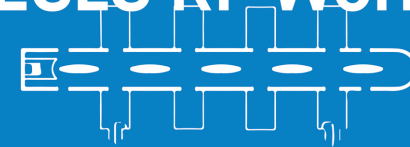
Aarhus University, Department of Physics and Astronomy, ISA  
CELLS - ALBA Synchrotron  
Deutsches Elektronen-Synchrotron DESY  
Deutsches Elektronen-Synchrotron DESY - MHFe  
Elettra Sincrotrone Trieste  
European Synchrotron Radiation Facility ESRF  
Helmholtz Zentrum Berlin  
Karlsruhe Institute of Technology  
MAX IV Laboratory  
Paul Scherrer Institut  
Synchrotron SOLEIL



Elettra Sincrotrone Trieste  
1993 - 2023 | 30 years of light



## 26<sup>th</sup> ESLS RF Workshop



**Trieste, 8-9 November 2023**

**Final programme**

## 08:30 - 09:00 Registration

09:00 - 09:10 Welcome Address - Alfonso FRANCIOSI (Elettra Sincrotrone Trieste)  
09:10 - 09:30 General Informations for the Workshop - Cristina PASOTTI (Elettra Sincrotrone Trieste)  
09:30 - 10:00 Elettra 2.0 project - Emanuel KARANTZOULIS (Elettra Sincrotrone Trieste)  
10:00 - 10:20 Status of the ESRF-EBS 352 MHz RF system - Jörn JACOB (ESRF)  
10:20 - 10:40 Operation and Upgrade of the SLS RF Systems - Lukas STINGELIN (Paul Scherrer Institut)

## 10:40 - 11:00 Coffee break

11:00 - 11:20 RF Technology for SOLEIL II - Lu ZHAO (Synchrotron SOLEIL)  
11:20 - 11:40 PETRA IV activities @ DESY - Rüdiger ONKEN (DESY - MHFe)  
11:40 - 12:00 Status Report BESSY+MLS - Bernhard SCHRIEFER (Helmholtz Zentrum Berlin)  
12:00 - 12:20 Status and developments of the ALBA RF system - Pol SOLANS (ALBA Synchrotron)

## 12:20 - 12:30 Group photo

## 12:30 - 13:50 Lunch break

13:50 - 14:10 Studies on transient beam loading generated by the superconductive harmonic cavity - Marco LONZA (Elettra Sincrotrone Trieste)

## 14:15 - 16:00 Tour of Trieste

## 16:00 - 16:30 Coffee break

16:30 - 16:50 Compact linear accelerator FLUTE: status update - Anton MALYGIN (Karlsruhe Institute of Technology)  
16:50 - 17:10 Overview and Status of the ASTRID2 RF systems - Jørgen S. NIELSEN (Aarhus University, Department of Physics and Astronomy, ISA)

## 19:30 - 22:30 Dinner

09:00 - 09:20 FERMI: present status and future upgrades - Giuseppe PENCO (Elettra Sincrotrone Trieste)

09:20 - 09:40 Fabrication, Conditioning and Installation of the 1st S-band High Gradient Module for the Energy Upgrade of the FERMI Free Electron Laser Linac - Nuaman SHAFQAT (Elettra Sincrotrone Trieste)

09:40 - 10:00 Development of a Single Mode Cavity for the Third Harmonic RF-System of PETRA IV - Peter HÜLSMANN (DESY)

10:00 - 10:20 Diamond RF System - Present Status and DII Upgrade - Peter MARTEN (Diamond Light Source Ltd.)

## 10:20 - 10:50 Coffee break

10:50 - 11:10 HOM Dampers Design for the MAX IV 100 MHz RF Cavities - Henrique O. CAIAFA DUARTE (MAX IV Laboratory)

11:10 - 11:30 Cavity fixing and RF power conditioning - Akira MOCHIHASHI (Karlsruhe Institute of Technology)

11:30 - 11:50 Upgrades of RF amplifiers towards Elettra 2.0 - Alessandro CUTTIN (Elettra Sincrotrone Trieste)

11:50 - 12:00 Closing remarks - Cristina PASOTTI (Elettra Sincrotrone Trieste)

## 12:00 - 13:30 Lunch break

## 13:30 - 14:00 Transfer to Elettra Sincrotrone Trieste

## 14:00 - 14:15 Arrival at Elettra Sincrotrone Trieste

## 14:15 - 15:30 Elettra and FERMI tour

## 16:00 - 16:10 End of Workshop and farewell