Focused Technical Workshop

CARBON-FIBRE

Agenda



08:30	Welcome and introduction, Fredrik Engelmark, ILO CERN
08:50	Sweden – A Big Science nation
09:00	Jorge Maestre Heredia, CERN – "An overview of the use and R&D of low density carbon based materials studies at CERN in the framework of Beam Intercepting Devices."
09:20	Nikolaos Tsapatsaris, ESS — "Application of high strength, lightweight materials on Neutron Choppers: high rotational speed neutron beam absorbers."
09:40	Jorge Guardia Valenzuela, CERN – Mechanical and materials engineering "Carbon-based composites for beam intercepting devices at CERN."
10:00	Discussion and 1-to-1 meetings

Welcome everybody!





















Composite Service
Europe AB



























Big Science Sweden - Mission

- Support Swedish industry, institutes and universities to contribute to building up excellent big science facilities.
- Focus in high-tech contributions that drive research, innovation, international collaboration and generate good business for Sweden.
- Create value for Swedish industry and society by transferring new knowledge,
 technology and competence to diverse areas of application.



Directors



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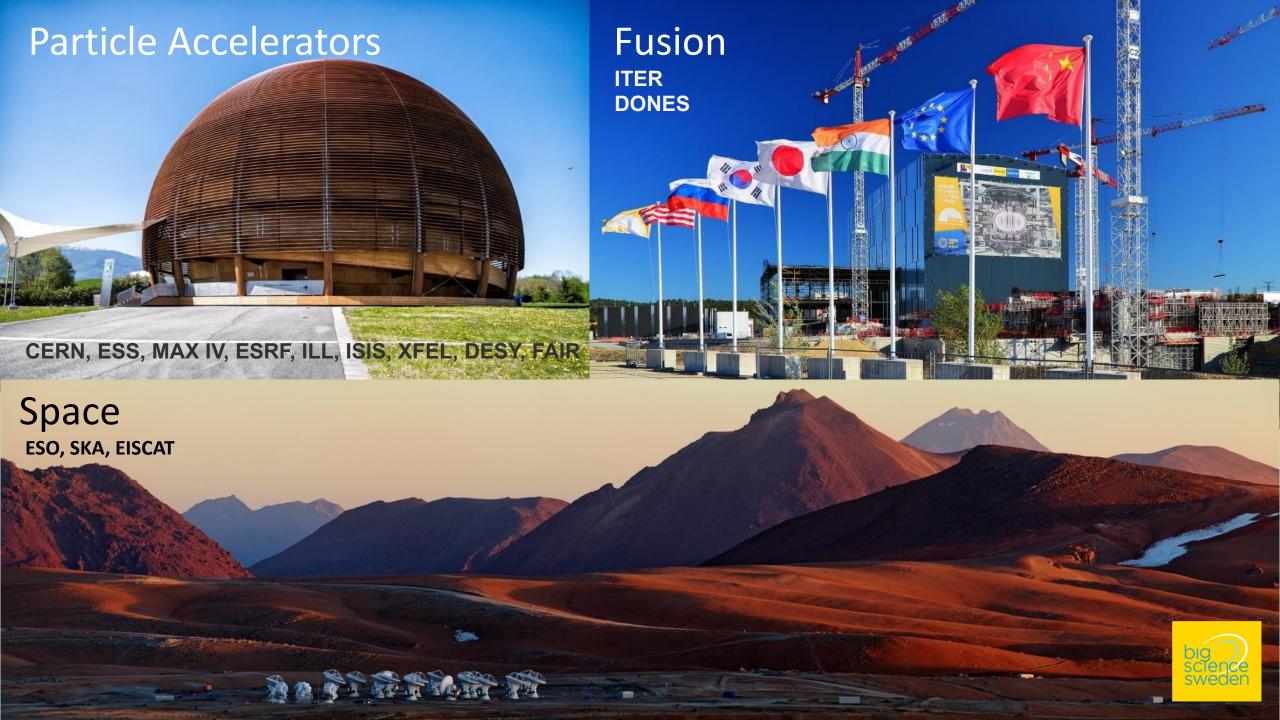
Ernesto Gutiérrez Business Development & Project Management



Cajsa Fredlund Communication Manager



Ingela BogrenCommunication Officer







Research Facilities - with Swedish fundings

MAX IV ESS

CERN XFEL DESY

EISCAT ILL FAIR

ITER DESY ESRF

ESO SKA

A range of competences needed

big science sweden

- Accelerator technology
- Construction and CivilEngineering
- Coating, Joining and Casting
- Electronics, RF and Microwave Technologies
- Magnets
- Materials
- Mechanical Engineering
- Optics, Sensors and Diagnostics
- Power Supply
- 3D printing
- Big Data
- AI/ML
- Data handling & Visualization
- Remote Handling

- Cryogenics
- Robotics
- Software and ControlTechnologies
- Utilities and Instrumentation
- Vacuum and LowTemperature Technologies

Others





THE OFFICIAL SWEDISH INDUSTRY LIAISON ORGANISATION (ILO)

> 220 companies in the network, all with the capacity and knowledge to supply solutions to leading research facilities. Listig and collaborationg with 69 Swedish academic contributions to

Big Science.

THE SWEDISH GUIDE IS AVAILABLE.
THIS YEAR'S EDITION, AN EXTENSIVE
PUBLICATION OF 356 PAGES.

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Big Science Sweden Conference 2019







AIMday Big Science Technology 2021

Date and time Thursday, 14 October 2021 09:00 - 17:00

Agenda



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09:20	Nikolaos Tsapatsaris, ESS – "Application of high strength, lightweight materials on Neutron Choppers: high rotational speed neutron beam absorbers."
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10:00	Discussion and 1-1 meetings

1-1-meetings – How it will work



- All participants with booked 1-1-meetings have received a schedule.
- The meetings will take place in different breakout-rooms and you will automatically be assigned to the right room.
 - The representatives from CERN and ESS will stay in their breakout-rooms for both meetings.
 - Other participants will be put in a new breakoutroom after the first meeting according to the schedule.
 - Participants with only one meeting please click Leave meeting in the lower right corner and you will be transferred back to the main meeting.
- Participants with no 1-1-meetings may stay in the main meeting and discuss with other participants.

