

Session Program

25 June 2024

ATS Workshop 2024

Engineering Design Tools and Processes

CERN, 81/R-003B - Science Gateway Auditorium B

Tuesday 25 June

08:45

Engineering Design Tools and Processes

Session | **Location:** CERN, 81/R-003B - Science Gateway Auditorium B | **Conveners:** Mauro Taborelli, João Oliveira

08:45-09:10

Building an accelerator, from engineering to alignment

Speaker

Riccardo De Maria

09:10-09:35

Managing physical configurations of CERN accelerators with Layout

Speaker

Pascal Le Roux

09:35-10:00

Transforming engineering processes with the new Product Lifecycle Management (PLM) platform

Speaker

Claudio Scoero

10:00-10:25

Bridging physical and digital worlds with a mechanical digital twin

Speaker

Oscar Sacristan De Frutos

10:25

10:50

Engineering Design Tools and Processes

Session | **Location:** CERN, 81/R-003B - Science Gateway Auditorium B | **Conveners:** Alessandro Bertarelli, Vanessa Gahier

10:50-11:15

Developing digital twins for accelerator magnets

Speaker

Mr Melvin Liebsch

11:15-11:40

Developing electronics boards through standardisation, specialised tools and collaboration

Speaker

Andrea Boccardi

11:40-12:05

Improving future designs by learning from radioactive waste-management experiences

Speaker

Jean-Louis Grenard

12:05-12:30

Engineering design tools and processes for cryogenics

Speaker

Andrew John Lees

12:30