

Session Program

8-12 Aug 2022

**2nd Baltic School of High-Energy Physics and
Accelerator Technologies 2022**

***Accelerator development / Applications /
Enterprise***

Monday 8 August

12:00

Accelerator development / Applications / Enterprise

Session | Location:

12:00-12:30 **Enterprise Estonia (EAS): Estonia in CERN**

Speaker

Robert Aare

12:30-13:00 **Discussion**

13:00-14:00 **CLOUD experiment**

Speaker

Prof. Heikki Junninen

14:00-14:30 **Discussion**

14:30-15:00 **Evolution of CERN Baltic Group and activities 2018-2022**

Speakers

Ants Koel, Prof. Toms Torims

15:00-15:30 **Discussion**

15:30-16:30 **Accelerators for society, medicine, and more - PART I**

Speaker

Maurizio Vretenar

16:30-17:00 **Discussion**

17:10

Tuesday 9 August

13:30

Accelerator development / Applications / Enterprise

Session | Location:

13:30-14:30 **Accelerators for society, medicine, and more - PART II**

Speaker

Maurizio Vretenar

14:30-15:00 **Discussion**

15:00-16:00 **Cosmic ray tomography:Principles, development, prototype**

Speaker

Andi Hektor

16:00-16:30 **Discussion**

16:30-17:30 **Multiscale-physics simulations for accelerator technologies: PART I**

Speaker

Dr Flyura Djurabekova

17:30-18:00 **Discussion**

18:40

Wednesday 10 August

13:30

Accelerator development / Applications / Enterprise

Session | Location:

13:30-14:30 **Multiscale physics simulations for accelerator technologies: PART II**

Speaker

Dr Flyura Djurabekova

14:30-15:00 **Discussion**

15:00-16:00 **High-gradient accelerator development and applications: PART I**

Speaker

Walter Wuensch

16:00-16:30 **Discussion**

16:30-17:30 **Accelerator science and technology: PART I**

Speaker

Lenny Rivkin

17:30-18:00 **Discussion**

18:00-18:30 **Developments of hadron therapy accelerators in the UK**

18:30-19:00 **Challenges of accelerator injection & extraction**

19:00

Thursday 11 August

13:30

Accelerator development / Applications / Enterprise

Session | Location:

13:30–14:30 **Accelerator science and technology: PART II**

Speaker

Lenny Rivkin

14:30–14:45 **Discussion**

14:45–15:45 **High-gradient accelerator development and applications: PART II**

Speaker

Walter Wuensch

15:45–16:00 **Discussion**

16:00–17:00

Accelerator and particle physics: opportunities for PhD studies in Baltics

Speaker

Karlis Dreimanis

17:00–17:30 **Discussion/Snacks/Refreshments**

17:30