Contribution ID: **14**   Type: **not specified**

Beam Instrumentation Simulation System

Tuesday, 11 May 2021 15:40 (15 minutes)

Beam Instrumentation Simulation System (BISS) is an educational software aimed at Advanced CERN Accelerator School (CAS) Beam Diagnostics hands-on course. The aim of this course is to give basic understanding of the measurement principles, fundamental concepts and related technological aspects of deriving beam position in a particle accelerator. An interactive simulation tool will allow a user to construct his own acquisition system and virtual monitors to generate beam signals. The BISS v2 will be released later this year; it is based off its v1 and developed under collaboration of ALBA Synchrotron and CERN.

Presenter: NOSYCH, Andriy (ALBA)

Session Classification: Digital Twinning