



Contribution ID: 3

Type: **not specified**

Realization of an end-to-end automated data acquisition pipeline for the beamline SYRMEP at the Elettra synchrotron facility

Tuesday 25 June 2024 13:40 (40 minutes)

The microtomography beamline SYRMEP at Elettra, the Italian Synchrotron in Trieste, is preparing to face a substantial increment in the acquisition rate, due to the upcoming upgrade of the facility. To effectively exploit such improvement, data acquisition and processing are being integrated into a single automated pipeline, with as few user interactions as possible. Images will be transferred automatically to a processing server which will perform tomographic reconstructions dynamically, allowing users to select optimal reconstruction parameters. Reconstructed volumes will be available on a fast storage server for analysis and post-processing. Both interactions will be accessed through VUO, the Elettra unified portal.

Primary author: CONTILLO, Adriano (Elettra - Sincrotrone Trieste)

Presenter: CONTILLO, Adriano (Elettra - Sincrotrone Trieste)

Session Classification: Session