

European XFEL Data-processing workshop

Report of Contributions

Contribution ID: 0

Type: **not specified**

An introduction into foreseen data flows at European XFEL

Wednesday 3 February 2016 09:15 (20 minutes)

Presenter: Dr HAUF, Steffen (European XFEL Gmbh)

Session Classification: Common Data Formats I

Contribution ID: 1

Type: **not specified**

Data products from the fast 2D detectors: raw and calibrated data

Wednesday 3 February 2016 09:35 (20 minutes)

Presenter: Dr HAUF, Steffen (European XFEL GmbH)

Session Classification: Common Data Formats I

Contribution ID: 2

Type: **not specified**

Hierarchical data organization

Wednesday 3 February 2016 09:55 (20 minutes)

Presenter: Dr BOUKHELEF, Djelloul (European XFEL GmbH)

Session Classification: Common Data Formats I

Contribution ID: 3

Type: **not specified**

The PC-Layer: where data hits the disks

Wednesday 3 February 2016 10:45 (20 minutes)

Presenter: Dr BOUKHELEF, Djelloul (European XFEL GmbH)

Session Classification: Common Data Formats II

Contribution ID: 4

Type: **not specified**

The HDF5 format to be used at European XFEL

Wednesday 3 February 2016 11:05 (20 minutes)

Presenter: Dr BOUKHELEF, Djelloul (European XFEL GmbH)

Session Classification: Common Data Formats II

Contribution ID: 5

Type: **not specified**

Accessing data through queries to the Metadata catalogue

Wednesday 3 February 2016 11:25 (20 minutes)

Presenter: Mr MAIA, Luis (European XFEL)

Session Classification: Common Data Formats II

Contribution ID: 6

Type: **not specified**

Retrieving queried data as a user

Wednesday 3 February 2016 11:45 (20 minutes)

Presenters: Dr BOUKHELEF, Djelloul (European XFEL GmbH); Mr MAIA, Luis (European XFEL)

Session Classification: Common Data Formats II

Contribution ID: 7

Type: **not specified**

Discussions

Wednesday 3 February 2016 12:05 (55 minutes)

Session Classification: Common Data Formats II

Contribution ID: 8

Type: **not specified**

Concurrent processing in Karabo

Wednesday 3 February 2016 14:00 (20 minutes)

Presenter: WIGGINS, John (XFEL - CAS)

Session Classification: Concurrency

Contribution ID: 9

Type: **not specified**

The XFEL calibration pipeline: An example of Karabo-p2p distributed computing mixed with thread-level parallelism in Python and GPU computing

Wednesday 3 February 2016 14:20 (15 minutes)

Presenter: Dr HAUF, Steffen (European XFEL GmbH)

Session Classification: Concurrency

Contribution ID: **10**

Type: **not specified**

Discussions

Wednesday 3 February 2016 14:35 (10 minutes)

Session Classification: Concurrency

Contribution ID: **11**

Type: **not specified**

X-ray detectors and diagnostics for HED instrument

Wednesday 3 February 2016 15:00 (15 minutes)

Presenter: Dr NAKATSUTSUMI, Motoaki (European XFEL)

Session Classification: Existing processing solutions

Contribution ID: 12

Type: **not specified**

Data processing requirements of the SQS instrument

Wednesday 3 February 2016 15:15 (15 minutes)

Presenter: Dr BAUMANN, Thomas (European XFEL GmbH)

Session Classification: Existing processing solutions

Contribution ID: 13

Type: **not specified**

Common approaches to data reduction in time-resolved X-ray diffuse scattering on liquids

Wednesday 3 February 2016 15:30 (15 minutes)

Presenter: Dr KHAKHULIN, Dmitry (European XFEL GmbH)

Session Classification: Existing processing solutions

Contribution ID: 14

Type: **not specified**

XPCS data analysis and requirements on the data treatment

Wednesday 3 February 2016 15:45 (15 minutes)

Presenter: Dr HALLMANN, Jörg (European XFEL GmbH)

Session Classification: Existing processing solutions

Contribution ID: 15

Type: **not specified**

Data analysis workflow for synchrotron-CDI experiments mimicking FEL Single Particle Imaging

Wednesday 3 February 2016 16:00 (15 minutes)

Presenter: GIEWEKEMEYER, Klaus (European XFEL)

Session Classification: Existing processing solutions

Contribution ID: 16

Type: **not specified**

Developments in the Single Particle Imaging Analysis Pipeline at LCLS

Wednesday 3 February 2016 16:15 (15 minutes)

Presenter: Dr YOON, Chun Hong (SLAC/LCLS)

Session Classification: Existing processing solutions

Contribution ID: 17

Type: **not specified**

Serial diffraction experiments

Thursday 4 February 2016 09:00 (15 minutes)

Presenter: Dr BARTY, Anton (CFEL/DESY)

Session Classification: Open issues and questions from the previous day

Contribution ID: **18**

Type: **not specified**

What can we learn from the LCLS running experience for XFEL.EU

Thursday 4 February 2016 09:15 (15 minutes)

Presenter: Dr MESSERSCHMIDT, Marc (European XFEL GmbH)

Session Classification: Open issues and questions from the previous day

Contribution ID: **19**

Type: **not specified**

Discussions

Wednesday 3 February 2016 17:00 (30 minutes)

Session Classification: Existing processing solutions

Contribution ID: 20

Type: **not specified**

Available hardware performance

Thursday 4 February 2016 09:30 (10 minutes)

Presenter: Dr BOUKHELEF, Djelloul (European XFEL GmbH)

Session Classification: Throughput I

Contribution ID: 21

Type: **not specified**

Configuration of the online calibration pipelines - throughput limiting factors

Thursday 4 February 2016 09:40 (15 minutes)

Presenter: Dr HAUF, Steffen (European XFEL GmbH)

Session Classification: Throughput I

Contribution ID: 22

Type: **not specified**

Offline calibration processing

Thursday 4 February 2016 09:55 (10 minutes)

Presenter: Dr HAUF, Steffen (European XFEL GmbH)

Session Classification: Throughput I

Contribution ID: 23

Type: **not specified**

Discussions

Thursday 4 February 2016 10:05 (25 minutes)

Session Classification: Throughput I

Contribution ID: 24

Type: **not specified**

Detector error modes - a general picture

Thursday 4 February 2016 11:30 (20 minutes)

Presenter: Dr HAUF, Steffen (European XFEL GmbH)

Session Classification: Detector error modes

Contribution ID: 25

Type: **not specified**

Discussions

Thursday 4 February 2016 11:50 (40 minutes)

Session Classification: Detector error modes

Contribution ID: 26

Type: **not specified**

The Veto System

Thursday 4 February 2016 12:30 (30 minutes)

Presenter: Dr KAUKHER, Alexander (European XFEL)