

**International Hybrid
Workshop on "Start-to-End
Beamline Optimization for
Synchrotron Radiation and
Free-Electron Laser Facilities
through Artificial Intelligence
Approaches", 23-24 November
2022,
DESY-Hamburg-Germany**

Report of Contributions

Contribution ID: 1

Type: **not specified**

The GASOLINE Project Overview

Wednesday 23 November 2022 09:15 (15 minutes)

Presenter: Dr KETENOGLU, Bora (Ankara University)

Contribution ID: 2

Type: **not specified**

Generative Models for Fast Simulation of the Calorimeters in High Energy Physics

Wednesday 23 November 2022 10:45 (30 minutes)

Presenter: Dr EREN, Engin (FLC (FTX Fachgruppe SFT))

Contribution ID: 3

Type: **not specified**

Semantic Segmentation in Remote Sensing Images

Thursday 24 November 2022 11:30 (30 minutes)

Presenter: Dr ULKU, Irem (Ankara University)

Contribution ID: 17

Type: **not specified**

Multiple Objective Evolutionary Algorithms for Synchrotron Radiation Optimization

Wednesday 23 November 2022 09:30 (30 minutes)

Presenter: Dr BOSTANCI, Gazi Erkan (Ankara University)

Contribution ID: 21

Type: **not specified**

Type IV Secretion System Effector Protein Prediction with Machine Learning Approaches

Thursday 24 November 2022 09:30 (30 minutes)

Presenter: Dr AÇICI, Koray (Ankara University)

Contribution ID: 22

Type: **not specified**

Computation Offloading Problem in Multi-Access Edge Computing

Thursday 24 November 2022 09:00 (30 minutes)

Presenter: Mr COBAN, Faruk (Ankara University)

Contribution ID: 23

Type: **not specified**

Welcome Speech

Wednesday 23 November 2022 09:00 (15 minutes)

Presenter: Dr TIEDTKE, Kai

Contribution ID: 24

Type: **not specified**

Optimizing KB-mirror Parameters in XRayTracer with Modified Genetic Algorithm

Wednesday 23 November 2022 10:00 (30 minutes)

Presenter: Mr CANBAY, Ali Can (Ankara University)

Contribution ID: 25

Type: **not specified**

Parameter Optimization of Button Type BPM Using BIO Inspired Optimization Methods

Thursday 24 November 2022 10:00 (30 minutes)

Presenter: Dr AYDIN, Ayhan (Ankara University)

Contribution ID: 27

Type: **not specified**

Machine Learning Methods for an Improved Evaluation of FEL Diagnostic Data

Thursday 24 November 2022 10:45 (30 minutes)

Presenter: GOETZKE, Gesa (FLASH)

Contribution ID: **28**

Type: **not specified**

Alignment @ P04

Wednesday 23 November 2022 13:30 (30 minutes)

Presenter: Mr SELTMANN, Jörn (P04 Beamline-PETRAIII)

Contribution ID: 29

Type: **not specified**

Closing Morning Session: Comments and Recommendations

Wednesday 23 November 2022 11:45 (15 minutes)

Contribution ID: 30

Type: **not specified**

Automatic serial femtosecond crystallography online data analysis with Bayesian optimization

Wednesday 23 November 2022 11:15 (30 minutes)

Presenter: FERREIRA DE LIMA (11:15-11:45), Danilo Enoque (European XFEL)

Contribution ID: 31

Type: **not specified**

Overview of the ML activities in the HIR^{3X} project

Thursday 24 November 2022 11:15 (15 minutes)

Presenter: EICHLER, Annika

Contribution ID: 32

Type: **not specified**

A Comparative Review of X-ray Beamline Components Employed in SR and FEL Facilities Worldwide

Wednesday 23 November 2022 14:00 (30 minutes)

Presenter: TANBKJI, Merna

Contribution ID: 33

Type: **not specified**

The ROCK-IT project for an automated in operando catalysis beamline at PETRA III

Thursday 24 November 2022 14:30 (30 minutes)

Presenter: Dr WILLE, Hans-Christian

Contribution ID: 34

Type: **not specified**

An Application of Artificial Intelligence Approach: Disease Detection

Thursday 24 November 2022 14:00 (30 minutes)

Presenter: Mr ALZAIDI, Ahmed

Contribution ID: 35

Type: **not specified**

Artificial Intelligence and Machine Learning Applications in X-ray Beamline Optimization for SR and FEL Facilities: A Brief Overview

Thursday 24 November 2022 13:30 (30 minutes)

Presenter: Mr SEYH SALEH (13:30-14:00), Usume

Contribution ID: **36**

Type: **not specified**

Data recognition and Beamline Automation

Wednesday 23 November 2022 14:30 (30 minutes)

Presenter: Dr CALIEBE, Wolfgang