

# **Streaming readout Workshop SRO-XI**

## **Report of Contributions**

Contribution ID: 2

Type: **not specified**

# **SPADI Alliance for Standardization of SRO DAQ in Japan**

*Tuesday, 28 November 2023 13:10 (30 minutes)*

**Presenter:** OTA, Shinsuke

**Session Classification:** S1) SRO in Japan

Contribution ID: 3

Type: **not specified**

## **SRO FEE development Japan**

*Tuesday, 28 November 2023 13:40 (30 minutes)*

**Presenter:** HONDA, Ryotaro

**Session Classification:** S1) SRO in Japan

Contribution ID: 4

Type: **not specified**

## **SRO timing distribution system in Japan**

*Tuesday, 28 November 2023 14:10 (30 minutes)*

**Presenter:** BABA, Hidetada

**Session Classification:** S1) SRO in Japan

Contribution ID: 5

Type: **not specified**

## A DAQ software framework for SRO

*Tuesday, 28 November 2023 14:40 (30 minutes)*

**Presenter:** IGARASHI, Youichi

**Session Classification:** S1) SRO in Japan

Contribution ID: 6

Type: **not specified**

## **SRO app. for the 12 GeV program at JLAB (remote)**

*Tuesday, 28 November 2023 15:45 (30 minutes)*

**Presenter:** CUEVAS, Chris (Jefferson Lab )

**Session Classification:** S2) SRO@JLab

Contribution ID: 7

Type: **not specified**

## **SRO@JLAB**

*Tuesday, 28 November 2023 16:15 (30 minutes)*

**Presenter:** GYURJYAN, Vardan (Jefferson Lab)

**Session Classification:** S2) SRO@JLab

Contribution ID: 8

Type: **not specified**

## **SRO tests at JLab**

*Tuesday, 28 November 2023 16:45 (30 minutes)*

**Presenter:** BONDI, Mariangela (member@cern.ch)

**Session Classification:** S2) SRO@JLab



Contribution ID: 9

Type: **not specified**

## Latest news from CAEN

*Tuesday, 28 November 2023 17:15 (30 minutes)*

**Presenter:** Dr LOCATELLI, Marco (CAEN)

**Session Classification:** S2) SRO@JLab

Contribution ID: **10**

Type: **not specified**

## **NALU asic for SRO**

*Tuesday, 28 November 2023 17:45 (30 minutes)*

**Presenter:** Dr MOSTAFED, Isar (NALU Scientific)

**Session Classification:** S2) SRO@JLab

Contribution ID: 11

Type: **not specified**

## **SRO for sPHENIX TPC and Real-time AI**

*Friday, 1 December 2023 19:15 (30 minutes)*

**Presenter:** HUANG, Jin (Brookhaven National Lab)

**Session Classification:** Friday evening session

Contribution ID: 12

Type: **not specified**

## **Lessons learned from the sPHENIX commissioning**

*Friday, 1 December 2023 18:45 (30 minutes)*

**Presenter:** PURSCHKE, Martin (BNL)

**Session Classification:** Friday evening session

Contribution ID: 13

Type: **not specified**

## **BELLE-II DAQ and possibility of SRO**

*Friday, 1 December 2023 19:45 (30 minutes)*

**Presenter:** YAMADA, Satoru

**Session Classification:** Friday evening session

Contribution ID: 14

Type: **not specified**

## Streaming readout for the ePIC DAQ

*Friday, 1 December 2023 20:45 (30 minutes)*

**Presenter:** LANDGRAF, Jeff (Brookhaven National Laboratory)

**Session Classification:** Friday evening session

Contribution ID: 15

Type: **not specified**

## Discussion

*Friday, 1 December 2023 21:45 (30 minutes)*

**Session Classification:** Friday evening session

Contribution ID: 16

Type: **not specified**

## **AI for real-time application (remote)**

*Saturday, 2 December 2023 14:00 (30 minutes)*

**Presenter:** FANELLI, Cristiano (W&M)

**Session Classification:** Saturday Morning Session



Contribution ID: 17

Type: **not specified**

## **ML on FPGA for tracking and PId (remote)**

*Saturday, 2 December 2023 14:30 (30 minutes)*

**Presenter:** FURLETOV, Sergey (JLab)

**Session Classification:** Saturday Morning Session

Contribution ID: **18**

Type: **not specified**

## **Streaming DAQ experience for small setups and plans for CLAS12 (remote)**

*Saturday, 2 December 2023 15:00 (30 minutes)*

**Presenter:** BOYARINOV, Sergey (JLab)

**Session Classification:** Saturday Morning Session

Contribution ID: 19

Type: **not specified**

## **Research of high precision time measurement electronics in physics experiments**

*Saturday, 2 December 2023 17:00 (30 minutes)*

**Presenter:** Dr QIN, Jiajun (USTC)

**Session Classification:** Saturday Morning Session

Contribution ID: 20

Type: **not specified**

## Streaming DAQ for GEMs (remote)

**Presenter:** SZUMILA-VANCE, Holly (member@jlab.org;employee@jlab.org)

**Session Classification:** Saturday Morning Session

Contribution ID: 21

Type: **not specified**

## **Readout Electronics for LGAD Detectors**

*Saturday, 2 December 2023 11:00 (30 minutes)*

**Presenter:** YE, Zhenyu (University of Illinois at Chicago)

**Session Classification:** Saturday Morning Session

Contribution ID: 22

Type: **not specified**

## ToF development China or EIC China

**Presenter:** YE, Zhihong (Tsinghua University)

**Session Classification:** Saturday Morning Session

Contribution ID: 23

Type: **not specified**

## **Streaming RO and offline analysis**

*Saturday, 2 December 2023 09:30 (30 minutes)*

**Presenter:** PURSCHKE, Martin (BNL)

**Session Classification:** Saturday Morning Session

Contribution ID: 24

Type: **not specified**

## **EIC Front End Readout R&D initiatives**

*Saturday, 2 December 2023 16:00 (30 minutes)*

**Presenter:** BARBOSA, Fernando (JLab)

**Session Classification:** Saturday Morning Session



Contribution ID: 25

Type: **not specified**

## Streaming DAQ for hypernuclear

*Saturday, 2 December 2023 09:00 (30 minutes)*

**Presenter:** Prof. HAYAKAWA, Shuhei

**Session Classification:** Saturday Morning Session

Contribution ID: 26

Type: **not specified**

## **High speed DAQ and rapid aggregation and processing for EIC applications**

**Presenter:** MOSTAFANEZHAD, Isar

**Session Classification:** Saturday Morning Session

Contribution ID: 27

Type: **not specified**

## Discussion

**Session Classification:** S5b) SRO for EIC

Contribution ID: 28

Type: **not specified**

## **SRO-XI closout**

**Presenters:** CAMSONNE, Alexandre (JLAB); HASELL, Douglas (MIT); BERNAUER, Jan (Stony Brook University and RBRC); BATTAGLIERI, Marco (Jefferson Lab)

**Session Classification:** Saturday Morning Session

Contribution ID: 29

Type: **not specified**

## SiPM readout using HGCROC

*Saturday, 2 December 2023 16:30 (30 minutes)*

**Presenter:** NOWITSKI, Norbert

**Session Classification:** Saturday Morning Session

Contribution ID: **30**

Type: **not specified**

## **Time synchronization system for the ePIC DAQ**

*Friday, 1 December 2023 21:15 (30 minutes)*

**Presenter:** SCHAMBACH, Joachim (Oak Ridge National Laboratory)

**Session Classification:** Friday evening session

Contribution ID: **31**

Type: **not specified**

## **SRO@ALICE (remote)**

*Saturday, 2 December 2023 08:30 (30 minutes)*

**Presenter:** COSTA, Filippo (CERN)

**Session Classification:** Saturday Morning Session

Contribution ID: 32

Type: **not specified**

## **SRO for MAPS detectors**

*Saturday, 2 December 2023 10:30 (30 minutes)*

**Presenter:** SCHAMBACH, Joachim (Oak Ridge National Laboratory)

**Session Classification:** Saturday Morning Session



Contribution ID: **33**

Type: **not specified**

## **Closout**

*Saturday, 2 December 2023 17:30 (30 minutes)*

**Session Classification:** Saturday Morning Session

Contribution ID: 34

Type: **not specified**

## **ePIC Streaming Computing Model**

*Saturday, 2 December 2023 11:30 (30 minutes)*

**Presenter:** DIEFENTHALER, Markus (Jefferson Lab)

**Session Classification:** Saturday Morning Session