# EPICS Collaboration Meeting in April 2023

## Tuesday, 25 April 2023

**Plenary Session: Presentations** - Ramsey Auditorium (Wilson Hall) (11:00 - 12:00)

    **-Conveners: Eileen Crowley**

| time | [id] title | presenter |
|------|-----------|-----------|
| 11:00 | [121] ESS Controls Status Update | KORHONEN, Timo |
| 11:20 | [116] Updates on EPICS Deployment at NSLS-II | DERBENEV, Anton |
| 11:40 | [139] Background and Development Status of the EIC Common Platform | JAMILKOWSKI, James |

**Plenary Session: Presentations** - Ramsey Auditorium (Wilson Hall) (13:00 - 15:00)

| time | [id] title | presenter |
|------|-----------|-----------|
| 13:00 | [104] ALS control system status report | DACH, Miroslaw |
| 13:20 | [125] Overview of Data and Control Systems at NASA's Armstrong Test Facility | EVANS, Richard |
| 13:40 | [30] Moving on from VME without Breaking the Bank | RIVERS, Mark |
| 14:00 | [114] ADTimePix3 | GOFRON, Kazimierz |
| 14:20 | [110] BxB BPM and EPICS interface using the RFSoC FPGA | HA, Kiman |
| 14:40 | [157] Ethernet as a Fieldbus: Scaling Distributed Systems Interfacing with EPICS and ACNET | SANTUCCI, robert |

**Plenary Session: Presentations** - Ramsey Auditorium (Wilson Hall) (15:30 - 16:50)

| time | [id] title | presenter |
|------|-----------|-----------|
| 15:30 | [130] CS-Studio Phoebus & Logbook at ESS | REGNELL, Susanne |
| 15:50 | [9] EPICS and IPv6 | KASEMIR, Kay |
| 16:10 | [127] ACORN Human Factors | HILL, Rachael |
| 16:30 | [146] C2 Data Viewer: Visualization tool for EPICS7 Data Streaming | CHANDLER, Elaine |

# Wednesday, 26 April 2023

**Plenary Session: Presentations - Ramsey Auditorium (Wilson Hall) (09:00 - 10:20)**

| time | [id] title | presenter |
|---|---|---|
| 09:00 | [144] EPICS in Context of Machine Learning, Beam Tuning and Offline Scientific Computing | WHITE, Gregory |
| 09:20 | [124] Introduction to Machine Learning | BHARDWAJ, Gopika |
| 09:40 | [115] AI/ML hosted on FPGAs at Fermilab | BERLIOZ RIVERA, Jose Rene IBRAHIM, M. A. |
| 10:00 | [141] DATASTORE: Time correlated storage and access of experimental data | MCINTYRE, George |

**Plenary Session: Presentations - Ramsey Auditorium (Wilson Hall) (11:00 - 12:00)**

| time | [id] title | presenter |
|---|---|---|
| 11:00 | [151] Machine Learning Operations for Accelerator Control | MICELI, Tia |
| 11:20 | [145] Experience with Machine Learning Enhanced Modeling and Optimization at SLAC | EDELEN, Auralee |
| 11:40 | [128] Optimization of experiment and accelerator performance using beam synchronous EPICS data | LUTMAN, Alberto |

**Plenary Session: Presentations - Ramsey Auditorium (Wilson Hall) (13:00 - 14:00)**

| time | [id] title | presenter |
|---|---|---|
| 13:00 | [134] ChannelFinder | SHROFF, Kunal |
| 13:20 | [120] PVXS in your IOC | DAVIDSAVER, Michael |
| 13:40 | [118] EPICS Base — What's New | JOHNSON, Andrew |

# Thursday, 27 April 2023

**Plenary Session: Presentations** - Ramsey Auditorium (Wilson Hall) (09:00 - 10:30)

| time | [id] title | presenter |
|---|---|---|
| 09:00 | [119] TLS for PVA? | DAVIDSAVER, Michael |
| 09:30 | [137] ACCELERATOR SYSTEMS CYBER SECURITY ACTIVITIES AT SLAC | WHITE, Gregory |
| 09:50 | [129] Improving security in RTEMS and EPICS IOC applications | BANERJEE, Vijay<br>EZEOBI, Uchenna |
| 10:10 | [143] Considerations Involving the High Level Applications Services for the EIC Project | JAMILKOWSKI, James |

**Plenary Session: Presentations** - Ramsey Auditorium (Wilson Hall) (11:00 - 12:00)

| time | [id] title | presenter |
|---|---|---|
| 11:00 | [25] LANSCE migration to an all-EPICS control system as enabled by Data Access EPICS, Industrial I/O, and lvPortDriver | BAILY, Scott |
| 11:20 | [24] EPICS IOC Implementation on SoC FPGA based LLRF controllers | KUNJIR, Shriraj |
| 11:40 | [107] EPICS for small labs | JUNKES, Heinz |

**Plenary Session: Presentations** - Ramsey Auditorium (Wilson Hall) (13:00 - 14:40)

| time | [id] title | presenter |
|---|---|---|
| 13:00 | [148] The Use of a Component Database for the APS Upgrade Project | ARNOLD, Ned |
| 13:20 | [133] NSLS-II HEX Beamline Motion Control with Power PMAC Controller | MA, Jun |
| 13:40 | [108] PhantasyCalc - Integrating EPICS Data into a Spreadsheet Application | ZHANG, Tong |
| 14:00 | [112] AI Based Stabilization of Sample Environments | HENDERSON, Morgan |
| 14:20 | [149] EPICS-TCA, a Node.js Library for EPICS Channel Access and PV Access Protocols | HAO, Hao |