



FRITZ-HABER-INSTITUT
MAX-PLANCK-GESELLSCHAFT



EPICS Collaboration Meeting 2020

Virtual meeting with BlueJeans Events platform
19th - 23rd Oct. 2020

Still in process: Last editing: 5th. Oct. 11:30am

Info Booklet

Contents:

	Page
Motivation, Procedure	3
Day - Topics	4
Technical Information	5

Motivation

This year's meeting is organized by the Max Planck Society (MPS, in German: MPG). The leading institutes are the Albert Einstein Institute (<https://www.aei.mpg.de/>), the Fritz Haber Institute (<https://www.fhi.mpg.de/>) and the Max Plack Institute for Plasma Physics (<https://www.ipp.mpg.de/>). The MPS is currently funding a project EPICS@MPG (<https://epics.mpg.de/>) to reduce the dependency on proprietary (mostly also commercial) products. The aim is to achieve digital sovereignty.

With this background and the for us new way of (virtual) conference we try to win a new group of participants for EPICS:

- Small laboratories and experiments
- Industry and equipment suppliers

Day - Topics

First day (Monday 19th October 2020)

The first day is mainly intended for potential new users of EPICS. Two typical powerful "entry-level modules" (AreaDetector and StreamDevice) are presented as well as the easy integration of EPICS into the Python world. A demo installation of EPICS on a RaspberryPi completes the day.

A keynote on the FAIRmat project (<https://www.fair-di.eu/fairmat>) shows the necessity to always be "open" (not only in respect to file formats) and "collaborative".

Second day (Tuesday 20th October 2020)

The second day was organized this time by the EPICS Council. It is the "industrial day". On this day we want to show the industry that EPICS as an open source software package is suitable for developing industrial automation control systems which can also be easily integrated into research facilities. See flyer:

(https://indico.fhi-berlin.mpg.de/event/52/sessions/121/attachments/175/570/Flyer_Vendor_Day_PA8.pdf)

A presentation from the FAIRmat project (<https://www.fair-di.eu/fairmat>) shows how data in science is (should be) used collaboratively.

Third day (Wednesday 21st October 2020)

On the third day the innovations of EPICS core and the current status of PVXS will be presented. A user experience to PVSX and two conversions from old control systems to EPICS are scheduled. EPICS device support for OPC UA is another presentation. Afterwards examples of CI support will follow.

There is still some time left in the schedule for further talks.

The last two presentations come from the RTEMS community. The security hardening of a communication protocol and the vertical integration of EPICS in the RTEMS source builder are discussed.

Fourth day (Thursday 22nd October 2020)

On the fourth day, the focus is on the applications (also GUIs) used in the EPICS environment. A main focus is bluesky and phoebus, but also the Archiver Appliance and electronic lab books are discussed. User experiences round off the day.

There is still some time left in the schedule for further talks.

Technical Information:

The meeting relies on the following platforms:

- Indico conference system Program and abstracts
- BlueJeans Events: Talks and Q&A sessions

BlueJeans Events require video, microphone and audio output. Please make sure that your digital device allows that. We will offer test sessions in the week before the vent for the platform for you to test the technical compatibility.

BlueJeans Events:

This browser-based videoconferencing system is hosted at the FHI. FHI members can log in with their FHI username and password; external participants can join sessions without login. A short description and standard trouble shooting can be found on the website of PP&B:

<https://ppbwiki.fhi.mpg.de/Main/Videoconferencing#toc6>

We made the best experiences with google chrome or the apps of Bluejeans.

BlueJeansApp download: <https://www.bluejeans.com/de/downloads#events>

Note that by default, only presenters and panel members will use their video and microphone, while the participants (attendees) will be muted and without video initially. However, we want all questions from the audience to be asked directly with video and microphone. Therefore, if you have a question during any of the sessions Q&A, your video and microphone will be enabled.

In the week before the actual event, we conduct trial events with the presenters and moderators on the corresponding days. The presenters and moderators are informed by e-mail. The tests take place from 16:00 to 17:00 (Berlin time). Attendees are welcome to join the tests here:

Test - attendee - link:

<https://primetime.bluejeans.com/a2m/live-event/kqhasxjz>

This is the Attendee-Link for the actual event, start Monday - Thursday 15:55 Berlin time:

Event - attendee - link:

<https://primetime.bluejeans.com/a2m/live-event/hdvqeypx>

Info:

<https://support.bluejeans.com/s/article/BlueJeans-Event-instructions-for-Attendees>

<https://support.bluejeans.com/s/article/BlueJeans-Event-instructions-for-Presenters>

<https://support.bluejeans.com/s/article/BlueJeans-Event-instructions-for-Moderator>

We will record the presentations and make them available during the night. The following morning questions can then be asked about the lectures, which we then try to convey. This is as a service intended for the regions in the eastern hemisphere.