Web services workshop

3rd June 2019

Objectives :

- Current status of web applications to monitor and view live data in the epics community ->remote collaboration
  - Charts to display live data
  - Mimics to be published to outside world (read-only)
- Current status of web applications to browse archive data
  - Navigate through the variables
  - Display metadata
  - Plot data over time
- Set-up a collaboration to build a good set of web applications that can be shared

Challenges

- Live data
  - Read-only
  - User shall be able to generate them according to his/her needs (e.g. Grafana)
  - Many plots in one windows with a decent performance for refresh and multi-user access
  - Requests should not impact the control system network
  - Browse over a huge list of variables with not necessarily the knowledge of the site naming scheme
- Mimics
  - Share same mimics as in control room (read-only)
  - Various ways depending if remote navigation is allowed

Presentation from various institutes

- ITER needs, Denis
- CEA, Katy
- PSI, Dirk
- LBNL, Robert
- J-PARC, Shuei
- DESY, Joerg
- Diamond, Tim
- Canadian Light Source, Mike
- ORNL/CSS team, Kay
- ESS, Control – Susanne/Beam Hinko
- STFC, Freddie