

## EPICS Collaboration Meeting



Contribution ID: 33

Type: **Regular Talk (15min)**

# webopi - CSS for the web

*Thursday, September 22, 2016 11:40 AM (20 minutes)*

CSS is widely used at SNS by operators, scientists and instrument staff with a large set of existing user interface files. Users expressed desire to monitor experiment progress and operational status while not on-site and while loading CSS is possible over remote access, it's bandwidth intense and not convenient for quick access. A new project has been started to reuse existing CSS files and convert them into web application. It's using modern web technologies to provide user with a familiar experience on their device of choice from the reach of internet. OPI and BOB files get converted to HTML5 format and can be displayed in any supported browser. While default look resembles CSS one, most of the layout is themable. Once the layout is displayed in the browser, WebSocket protocol is used for communication with the CA/PVA enabled server to receive PV updates and display them on web interface. We will present and discuss project features and architecture as well as future plans.

**Primary author:** Mr VODOPIVEC, Klemen (SNS)

**Presenter:** Mr VODOPIVEC, Klemen (SNS)

**Session Classification:** EPICS Collaboration Meeting

**Track Classification:** Client Tools and User Interfaces