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Real-time data visualization and control using modern Web technologies

Wednesday 20 July 2016 09:00 (1h 20m)

This tutorial teaches modern web technologies for real time visualization and control of processes and experiments. The course starts from basic HTML elements, and then covers modern HTML5 technologies and their usage to display any graphical data. An embedded web server on a Raspberry Pi computer is written from scratch, which can be controlled from any browser using the above technologies to read sensors and switch outputs.

Every attendee is encouraged to bring her/his own laptop to
interactively develop and test all examples. A wireless private network will be available. It is recommended to have a quick look at JSFiddle (https://jsfiddle.net) since this tool will be used throughout the course.

Presenter: RITT, Stefan (Paul Scherrer Institut (CH))

Session Classification: Lecture