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## **BESSY II beamline control system status and future plans**

*Tuesday 4 June 2019 14:06 (6 minutes)*

This talk will be about the current status of EPICS beamline control at BESSY II. We are currently running on EPICS Base 3.14 with various VME based hardware, MVME162 / MVME2100 boards, different OMS motion controllers, Delta Tau PMAC2-VME, Delta Tau Geobricks and our control software, based on the TPMAC module.

The structure of each beamline is unique, they all have different control system requirements and thus use different hardware. For the control engineers at BESSY II, these circumstances turned out to be a major difficulty regarding suitability of models for various hardware hierarchies, legacy systems and other obsolescences. The challenges are met with incremental upgrades in short iterations. To successfully operate the 42 different beamlines of BESSY II, an agile work cycle with the help of kanban process planning was established and will be followed strictly.

The intention of this talk is to discuss the major bottlenecks in beamline control and how BESSY II will approach those obstacles with future developments within the EPICS community.

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