

## **Data as Fuel for Lab Automation**

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Laboratory automation is an interplay of automation in the physical space, automation in the virtual space, and a seamless physical-cyber interface. Storing and working with data is the basis of activities in the cyber space. Capturing and making data accessible is the first challenge that needs to be addressed. However, legacy software isn't built with making data computationally available in mind and a lot of lab equipment is not build with digital integration in focus. In this talk, we will present how we address data capturing in digital tools and from lab equipment in small prototyping environments and at scale as part of our lab digitalization activities. This transformation will be illustrated with examples from chemical synthesis and analytical chemistry.