The SiLA Connection

| STANDARDIZATION IN LAB AUTOMATION | January 2019 |

Meet SiLA at SLAS2019, Feb 2-6, Washington D.C.

Come and meet us at booth #243. We will be showcasing the new SiLA 2 developments, with both a **demo and a technical hack-session**. This will give technical staff a chance to get under the hood and talk to our development team. Please contact us ahead of time to book a slot.

Do not miss out on the following SiLA events during the Show:

Podium talks: Monday February 4th
Track: Data Analysis and Informatics
4:00pm - SiLA & AnIML: Lab of the Future, meet Data Analytics.
Presenter: Burkhard Schaefer BSSN Software, Germany

Track: Automation and High-Throughput Technologies
4:30pm - LARA and SiLA 2/AnIML – an integrated OS lab planning & evaluation suite.
Presenter: Mark Doerr, University of Greifswald, Germany.

SiLA Tutorial: Tuesday February 5th
9:30-10:15am - Technical overview and the next steps
Room: 144C
Presenters: Thomas Frech, Xavo Systems, Switzerland
Burkhard Schäefer, BSSN Software, Germany

Where to Next

Come meet us at the following events:

- **SLAS 2019**, Feb. 2-6
  Washington DC, USA

- **SiLA 2 Hackathon,** Feb.
  Contact us for more details!

- **SmartLab**, Feb. 27-28
  Berlin, Germany

- **SSLA 2019,** March 14
  Rapperswil, Switzerland

- **Pittcon 2019**, March 16-19
  Philadelphia, USA

- **Labvolution**, May 21-23
  Hannover, Germany

- **MipTec 2019**, Sept. 9-12
  Basel, Switzerland

Article on SiLA/AnIML published in G.I.T. Laboratory Journal

Data Exchange in the Laboratory of the Future - A Glimpse at AnIML and SiLA

Abstract: Open data formats such as AnIML and communication protocols such as SiLA help to connect up a digital laboratory. They provide planning, execution, and documentation of experiments and processes. The result is a unified and complete data package that is ideally suited as a basis for data analysis and other uses. Author: Burkhad Schaefer, BSSN Software

The full paper is available in English and German.

Closing the Loop in the Lab with Artificial Intelligence
SiLA / ELRIG UK Workshop at Excel London 9th October 2018

We had another sellout workshop in collaboration with ELRIG-UK to a packed room - even after more chairs were brought in!

In the 1st part we heard presentations on synthesis of new small molecules: Adam Nelson of Leeds explained new ways to novel molecules could be created; Garry Pairaudeau from AstraZeneca gave a view on the use of automation to accelerate discovery and Mimi Hii of Imperial College described the new open access ROAR centre as a place to try out some of the technology.

In the 2nd part speakers turned to screening, with Larisa Soldatova talking about the ADALab project and ontologies; Genedata presented a new approach to integration AI with device control and scheduling; Plamen Petrov from Lundbeck Pharma on their experiences; and SiLA board member Burkhard Schaefer rounded off the topic with a talk on Enabling ML and AI through a Standards-based Data Pipeline and presented a novel lab capability model.

For those who missed the event, slides are available at https://sila-standard.com/downloads/

Hackathon #12 - another great success!

This time we had 25 participants. This included old hands and many new members, from both industry and academia. These events have been key to making progress with the standard and developing example code. Thanks to all who took part.

Our next Hackathon will be in February - check our website for more details or contact us by email!

If you are interested in having a hackathon organised locally to you, then please let us know. So far we have done these in Germany and UK and are looking for other opportunities.

Job bourse: looking for lab staff?

We talk to thousands of laboratory scientist and managers in hundreds of labs. So if you have an open position, please contact SiLA – we may be able to help

FOR MORE INFORMATION

Visit us at www.sila-standard.org

Email us at info@sila-standard.org

Call +41 55 210 01 19 (Switzerland)