The SiLA Connection

STANDARDIZATION IN LAB AUTOMATION   OCTOBER 2020

Analytica 2020 - going all virtual!

Having been rescheduled from March due to Covid-19, the SiLA will be present at the largest lab show in Europe for the first time with a virtual booth from Monday October 19th.

So visit our digital booth and to get updated information on SiLA. There will be whitepapers for download and links to videos. Our technical experts will also be available to you during office hours by online chat. On Tuesday Oct 20th we will be running our conference - see next page.

This is all going to be a new experience for our team and we are looking forward to the challenge of an online exhibition!

Furthermore SiLA is also part of the Digital Transformation Forum which is going to be virtual too. CTO Daniel Juchli & Patrick Courtney will be presenting. The detailed program can be found here.

Meet us at the following events:

* **SiLA Trainings**
  contact for more details

* **SiLA Hackathon #21**
  Oct 13, virtual

* **SiLA User Conference**
  Oct 20, virtual

* **Analytica 2020**
  Oct 19 -22, virtual

* **Future Labs Live USA**
  Nov 9 -10, Raleigh, NC, USA

* **SLAS 2021**
  Jan 25 -27, virtual

* **Lab.Vision 2021**
  Apr 20 -21, Roche, Basel, CH

Thursday October 22nd at 14:00-14:30
"How a Digitalized Lab Should Look and Feel: An Inspiration"

We'll share our ideas how a digitalized lab should look and feel, enabled by standards like SiLA, AnIML, and BPMN. The "Digital Lab in a Nutshell" is an inspiration to make these abstract standards tangible and visible. We have created a concrete showcase on how a modern, digital lab could look and feel like.

Friday October 23rd at 14:00-14:30 " SiLA standards in practice – examples of digitalization of the Lab with Data and Connectivity Standards"

The role of standards is often misunderstood and can appear very abstract. This talk will present an existing interoperability standard working in the Lab and supported by a range of users, vendors and other stakeholders. The SiLA standard will be explained with emphasis on the open nature and reference code available. Use case examples will be given from current deployments and proof of concept demonstrators across a range of labs from pharmaceutical R&D to formulation.

Review of virtual SiLA hackathon #20

The hackathon #20 took place on Wednesday, 9th September 2020 as an online event. Due to the current Covid-19 development, the SiLA organization decided to turn the on-side event into a fully digital online hackathon. More than 50 participants have registered for the event and at peak time, more than 37 hackers were present. There was also interest from people outside the European time zone. And one participant from the USA set himself an alarm clock to make sure not to miss this event. Our CTO Daniel warmly welcomed all hackers by giving a general introduction into the SiLA 2 standard followed by several breakout sessions. These sessions included a designated room for the C#, Python, and C++ reference implementation to discuss adoption and other affiliated topics, as well as getting hands-on experience. Additionally, a breakout room for SiLA's partner, the Analytical Information Markup Language (AnIML), was instantiated and well perceived. It was a pleasure to see the high interest and diversity of participants, wanting to drive the open standardization effort for laboratory automation.

You missed the September online event? Then sign up for the next SiLA hackathon #21 on October 13th. For this event, we amended the timeframe to make it more convenient for non-European to participate. Register now for this free event no later than October 9th, 2020. A Google account is required for registration. Should you not have a google account, please contact us by mail for registration. For more information see the requirements and agenda for the event. We look forward to meeting you online!

Registration open for first VIRTUAL SiLA Conference #11

SiLA is proud to announce the latest in the successful conference series. This time online and including its partnership with AnIML: **SiLA 2 and scientific data standards**

Date: **Tuesday, October 20th, 2020**   Time: **2:30pm-7pm CET time // 8:30am-1pm EST**

Come and get an update on SiLA 2 and user experiences. For those of you who are not able to join, the talks will be pre-recorded and available to you after the event. Please register via **google form** for the event. Should you not have a google account, just send your registration via mail to Carmen Condrau.

Agenda

Time	Topic
14:30 - 15:00 (8:30 EST)	Welcome, introduction and networking
15:00 - 15:15 (9:00 EST)	How a Digitalized Lab Should Look and Feel: an Inspiration by Daniel Juchli, wega
15:15 - 15:30 (9:15 EST)	General Update on AnIML by Burkhard Schaefer, BSSN/Merck
15:30 - 15:45 (9:30 EST)	Flexible automation in the lab - driving efficiency change by Jonas Austerjost, Sartorius
15:45 - 16:00 (9:45 EST)	Q&A and coffee break
16:00 - 16:15 (10:00 EST)	SiLA2 as internal standard in Tecan by Georg Hinkel, Tecan
16:15 - 16:30 (10:15 EST)	To Si…LA or not to Si…LA, that is the question by Dale Charlton, Applied Scientific
16:30 - 16:45 (10:30 EST)	KIWI: A new AI-driven automated lab by Mark Dörr, Uni Greifswald
16:45 - 17:15 (10:45 EST)	Discussion Groups
17:15 - 17:30 (11:15 EST)	The future of SiLA
18:45 (12:45 EST)	Concluding Remarks

C++ programmers to benefit from reference implementation from Cetoni

The SiLA-team is happy to announce that there is a new reference implementation available in C++:
https://gitlab.com/SiLA2/sila_cpp
Many thanks to Florian Meinicke and Uwe Kindler from www.cetoni.de for contributing this implementation to the community!

The C++ implementation is significant as it enables the addition of a SiLA2 interface to laboratory automation software. C++ is also a popular tool for certain embedded systems, opening up new applications.

This came about from finding SiLA on the web, and a conversation with a customer. Cetoni were seeking to ease the development of laboratory automation solutions as well as the integration of other devices from other companies into their software.

Florian and Uwe tell us "we received a lot of support from the SiLA community" in learning about SiLA. For the implementation there were "hardly any major questions about the standard...which proves the quality of the documentation and the standard."

This is another demonstration that SiLA is attracting support for real world applications. And is another great outcome of a growing community around SiLA!

Did you miss out on our SiLA online events from July to September?
We have the recordings available for you!

Future Labs Live , July 22nd - Automation in the lab: what should and shouldn't be automated?
SiLA Director, Patrick Courtney moderating the talk.
https://www.terrapinn.com/conference/future-labs-live/Webinars.stm

Future Labs Live, August 13th - Automation & Workflow: What Should and Shouldn't be Automated?
Hear what SiLA Director and CEO of BSSN Software GmbH (AnIML) Burkhard Schaefer has to say.
https://register.gotowebinar.com/register/9148654033598513421

SmartLab exchange, August 26th - Applying SiLA & AnIML in the Lab of the Future – Case Studies and Lessons Learned. Listen to SiLA Directors, Daniel Juchli and Burkhard Schäfer leading the panel discussion.
https://www.youtube.com/watch?v=_vn0DPPpKn4&feature=youtu.be

SiLA hackathon #20, September 9th - Quick intro to SiLA 2 This video was recorded during the first virtual hackathon. It gives a good and quick introduction to SiLA 2! https://www.youtube.com/watch?v=HH-A8RyJvDU

Future Labs Live, September 28th - EU roadmap for industrial digitalisation
Keynote by Yves Paindaveine from the European Commission and SiLA Director, Patrick Courtney
https://vimeo.com/user121643126/download/460603103/53b981b65f

We are delighted to welcome Applied Scientific Technologies to the SiLA community

Applied Scientific Technologies (AST) of North Yorkshire, United Kingdom are delighted to become an observing member of SiLA, the future for Industry 4.0 standards in laboratory automation. SiLA enables the Lab-of-the-Future through free and open systems communication and data standards.

AST are passionate about the development of new robotics and laboratory automation, by becoming a participating and active member of SiLA, it allows AST to progress within this industry and to contribute to the wider SiLA adoption and development.

SiLA member Cubuslab GmbH new Labforward GmbH

Last year, Labforward GmbH was created from the merger of the labfolder GmbH and cubuslab GmbH to build a truly connected lab and support laboratories on their quest to make groundbreaking discoveries.
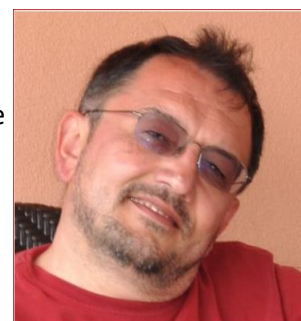
With Laboperator we are continuously focusing on building a Laboratory Execution System (LES). We connect lab devices and software systems and support scientists with fully integrated digital workflows.

On our journey, we found that standardization was essential with more and more customers and partners requesting SiLA-compatibility to assure a future-ready solution. Labforward supports the initiative as we see standardization as a crucial part of scalable connectivity solutions in the lab."

The SiLA team says Farewell to Ivan Ivanov

After almost 13 years at Promega, and 4 years on Board of the SiLA Directors, Ivan was looking for a new challenge. The SiLA team regrets losing such a knowledgeable and experienced Member of the Board!

The SiLA Management would like express great appreciation for all of Ivan's active contributions and expertise that helped the standard to grow. Ivan contributed a unique and very valuable viewpoint, not least a US/global perspective. We wish Ivan all the best for his new position and the future.

Follow SiLA on youtube! …
and don't forget to like and leave a comment!

FOR MORE INFORMATION

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