

## Conference Venue

School of Engineering and Architecture of Fribourg  
Bd de Pérolles 80, CH-1700 Fribourg  
Auditoire « Edouard Gremaud », Building A  
[www.heia-fr.ch/de/kontakt](http://www.heia-fr.ch/de/kontakt)

## Registration

Please register online on [fs21.scg.ch](http://fs21.scg.ch).

Deadline for registration: 26<sup>th</sup> March 2021

Deadline for poster abstracts: 31<sup>st</sup> January 2021

## Poster Session

A poster session is organized during lunch on Thursday 22 April. A total of 30 posters will be accepted. If you are interested in presenting your project, please submit an abstract while registration. The abstract template is available as Word file on the website.

## Conference Fees

The registration fees include access to conference sessions, lunch and all-day refreshments and conference documents. If the event will be online due to Covid-19, we will reduce the fees accordingly.

- CHF 600.- DIAC members
- CHF 640.- other members of SCS and members of SVC
- CHF 800.- Non-SCS members
- CHF 350.- Retired persons
- CHF 100.- Students and postdocs

Optional: symposium dinner on Thursday evening: CHF 100.-

## Contact /Secretariat

Chair: Dr. Urban Jenelten, Firmenich SA, Geneva

Co-Chair: Dr. Roger Marti, HEIA Fribourg

Hochschule für Technik und Architektur Freiburg (HEIA-FR)

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## The event is supported by



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Haute école d'ingénierie et d'architecture Fribourg  
Hochschule für Technik und Architektur Freiburg

[www.fs21.scg.ch](http://www.fs21.scg.ch)

15. Freiburger Symposium  
Industrial and Applied Chemistry

«Industrial & Applied Chemistry 4.0:  
Current and Future Trends in  
Chemical Production»

22-23 April 2021

School of Engineering & Architecture  
of Fribourg (or online via Zoom\*)



\*Depending on the Covid-19 situation

Swiss Chemical Society (SCS)  
Haus der Akademien  
Laupenstrasse 7  
3008 Bern  
[info@scg.ch](mailto:info@scg.ch)  
[scg.ch/diac](http://scg.ch/diac)



**SCS**  
Swiss Chemical  
Society  
Division of  
Industrial &  
Applied Chemistry

## Program

### Thursday, 22 April 2021

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- 08.45 Opening of the symposium's reception desk  
Welcome coffee
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- 09.30 Opening of the 15. Freiburger Symposium  
Address of welcome by  
**Dr. Roger Marti**, HEIA-FR and President of the DIAC  
**Dr. Urban Jenelten**, Firmenich SA and Chairman of the OC
- 09.45 «*Going with the Flow – The Use of Continuous Processing in Organic Synthesis*»  
**Dr. Oliver Kappe**, Uni Graz, Austria
- 10.30 «*Continuous manufacturing toolbox and its application to projects from lab to pilot scale - Including Data Science Aspects*»  
**Dr. Serena Mostarda**, Novartis AG, Basel, Switzerland
- 11.15 «*From Batch to Conti: Development & design of an industrial scale conti process incl. modelling approach*»  
**Dr. Harvey Randall**, Firmenich SA, La Plaine, Switzerland
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- 12.00 3x 10min short talks  
Lunch break
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- 14.00 «*How to apply Machine Learning to industrial data*»  
**Dr. Sylvie Roussel**, Ondalys, France
- 14.45 «*Data Mining, Visualization, and Modelling in the Pharmaceutical Industry using SEQ*»  
**Dr. Helge Engelking**, Lonza AG, Basel, Switzerland
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- 15.30 3x 10min short talks  
Coffee break
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- 16.30 «*Design of experiments, design of simulations: How to integrate model knowledge to maximize the information content of data*»  
**PD. Dr. Michael Bortz**, Fraunhofer ITWM, Kaiseraugst, Switzerland
- 17.15 Keynote Lecture  
«*Digitalization @ Linde: Principles for Success*»  
**Ing. Philipp Karmires**, Chief Digital Officer, Linde, Switzerland
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- 19.30 Aperitif and Symposium Dinner
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### Friday, 23 April 2021

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- 08.30 Opening of the symposium's reception desk  
Coffee
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- 09.00 Sandmeyer Award Lecture 2020: «*Development of the Commercial Manufacturing Process for Ipatasertib*»  
**Dr. Andreas Schuster** as representative of the Ipatasertib Team at F. Hoffmann La-Roche, Basel and  
**Dr. Christoph Strasser**, Dottikon Exclusive Synthesis AG, Switzerland
- 09.45 Sandmeyer Award Lecture 2021  
Winners 2021 will be announced in early 2021.
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- 10.30 Coffee break
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- 11.00 «*Online measurements & Preventive Diagnostics*»  
**Dr. Hernan Aguiar Garcia**, Syngenta Crop Protection, Basel, Switzerland
- 11.45 «*Catalyst Optimization*»  
**Prof. Anne-Clemence Corminboeuf**, NCCR - ETH/EPFL, Switzerland
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- 12.30 Lunch break
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- 13.30 «*Next Generation Manufacturing at Biogen – PAT as an Enabler for Enhanced Process Control in Commercial Antibody Manufacture*»  
**Dr. Oliver Steinhof**, Biogen, Baar, Switzerland
- 14.15 «*Process Analytical Technology: Smart tools or expensive toys?* »  
**Dr. Hans-Peter Nirmaier**, Lonza AG, Basel, Switzerland
- 15.00 Best Poster Award – 5min Presentation
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- 15.05 Closure of the Symposium  
Aperitif and Networking
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