

## 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 [www.scg.ch/freiburger-symposium/2019](http://www.scg.ch/freiburger-symposium/2019).  
Deadline for registration is 23 April, 2019.

## Poster Session

A poster session is organized during lunch on Thursday 16 May. 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:

- CHF 600.– DIAC members
- CHF 640.– other members of SCS and members of SCS
- CHF 800.– all other participants (non-SCS members)
- CHF 350.– retired and unemployed persons
- CHF 100.– students and postdocs

Optional symposium dinner on Thursday evening: CHF 100.–

## Contact /Secretariat

Chair: Dr. Remo Gamboni, F. Hoffmann-La Roche AG, Basel  
Co-Chair: Dr. Roger Marti, HTA Fribourg

Hochschule für Technik und Architektur Fribourg  
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## The event is supported by



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14. Freiburger Symposium  
Industrial and Applied Chemistry

# «Industrial Applications of Catalysis – Time for New Approaches»

16-17 May 2019  
School of Engineering & Architecture  
of Fribourg



Swiss Chemical Society (SCS)  
Haus der Akademien  
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**SCS**  
Swiss Chemical  
Society  
**Division of  
Industrial &  
Applied Chemistry**

## Program

### Thursday, 16 May 2019

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- 08.45 Opening of the symposium's reception desk  
Welcome Coffee
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- 09.30 Opening of the 14. Freiburger Symposium  
Address of welcome by  
**Dr. Roger Marti**, HTA-FR  
**Dr. Bernhard Urwyler** – Board Director of DIAC  
**Dr. Remo Gamboni** – Chairman of Organizing Committee
- 09.45 *Optimization of Catalysts with virtual High Throughput Screenings, Genetic Algorithms, and Machine Learning*  
**Dr. Marek P. Chęcinski**, Founder and CEO of CreativeQuantum GmbH, Berlin, Germany
- 10.30 *Tackling Challenges in Industrially Relevant Homogeneous Catalysis: The Catalysis Research Laboratory (CaRLa), an Industrial–Academic Partnership*  
**Dr. Thomas Schaub**, BASF SE, Ludwigshafen, Germany
- 11.15 *Olfactory Pleasures: How to Access Kg-Quantities of a Thiadiazole without Lawesson Reagent?*  
**Dr. Gabriel Schäfer**, Idorsia Pharmaceuticals Ltd., Allschwil, Switzerland
- 
- 12.00 Lunch break and Poster Session
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- 14.00 *Use of Catalysis in Fine Chemical Industry – From Research to Manufacturing – Case Study*  
**Dr. Bastien Monnerat**, Syngenta Crop Protection, Monthey, Switzerland
- 14.45 *Biocatalysis in the Flavor & Fragrance Industry*  
**Dr. Fredi Brühlmann**, Firmenich SA, Geneva, Switzerland
- 
- 15.30 Coffee break
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- 16.00 *(Swiss) Innovations in Selective Heterogeneous Hydrogenations – from the 1950s to the Present Day*  
**Dr. Jonathan Medlock**, DSM Nutritional Products, Kaiseraugst, Switzerland
- 16.45 Keynote Lecture  
*Catalysis - An Important Tool in Siegfried's Offering*  
**Dr. Jürgen Roos**, CSO Siegfried AG, Zofingen, Switzerland
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- 19.00 Aperitif and Symposium Dinner
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### Friday, 17 May 2019

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- 08.30 Opening of the symposium's reception desk  
Coffee
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- 09.00 Sandmeyer Award Lecture 2019  
*Arsenic and other Geogenic Contaminants in Groundwater – a Global Challenge*  
**Dr. Andreas Voegelin** and **Dr. Stephan Hug**, Eawag, Dübendorf, Switzerland
- 10.00 Sandmeyer Award Lecture 2018  
*Design, Synthesis and Biological Evaluation of Strigolactone and Strigolactam Derivatives for Potential Crop Enhancement Applications in Modern Agriculture*  
**Dr. Alain De Mesmaeker** and **Dr. Raymonde Fonné-Pfister**, Syngenta Crop Protection Research, Stein, Switzerland
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- 10.45 Coffee break
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- 11.00 *Enzyme Catalysis in the Synthesis of Ipatasertib, AKT Inhibitor*  
**Dr. Hans Iding**, F. Hoffmann-La Roche AG., Basel, Switzerland
- 11.45 *Application of Transition-metal Catalysis and Biocatalysis as State-of-the-art Technologies in the Manufacture of a Key Intermediate of Entresto*  
**Dr. Florian Kleinbeck**, Novartis Pharma AG, Basel, Switzerland
- 
- 12.30 Lunch break
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- 14.00 *Catalysis at Johnson Matthey: On the Cost Effective Use of Catalysis for Complex Synthesis*  
**Dr. Antonio Zanotti-Gerosa**, Johnson Matthey, Cambridge, UK
- 14.45 *Engineering of 3D Printed Catalytic Reactors*  
**Prof. Simon Kuhn**, KU Leuven, Belgium
- 15.30 *Catalysis Engineering for Sustainable Technologies*  
**Prof. Dr. Javier Pérez-Ramirez**, ETH Zürich, Switzerland
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- 16.15 Closure of the Symposium
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