



Events

Congresses, Symposia, Lectures, Education Courses

SCS CONFERENCES AND SYMPOSIA

Future of Chemical Education (ChemEdu) 2021



April 14, 2021, Online Symposium
The SCS Division of Chemical Education organises this annual symposium for those involved in teaching chemistry at different levels such as Sek I, Sek II, Universities of Applied Sciences (FH) and Universities. The major objective of the 2021 symposium are the challenges related to teaching chemistry in the first

year of the studies at the university.

Professors and teachers from all Swiss universities and also external speakers will share their view, experience, strategies and solutions gained and developed while dealing with the chemistry courses for a large body of students, who just recently left the high schools and commenced their studies at the university.

Program

- 09.00 Welcome
- 09.10 Prof. Ingo Krossing, University of Freiburg
- 09.45 Prof. Stefan Matile, University of Geneva
- 10.20 Coffee Break
- 10.40 Prof. Carlo Thilgen, ETH Zurich
- 11.15 Prof. Martin Albrecht, University of Bern
- 11.50 Balmer Prize: Dr. Hans-Ueli Ehrensperger
- 12.15 Lunch
- 13.15 Prof. Simon Lancaster, University of East Anglia
- 14.00 Prof. Michael Nash, University of Basel
- 14.35 Mario Nast, Pearson Education
- 15.10 Coffee break
- 15.30 Prof. Bruno Therrien, University of Neuchatel
- 16.05 Prof. Roland Sigel, University of Zurich
- 16.40 Podium discussion
- 17.10 Closing word

Organizer

SCS Division of Chemical Education
Chair: Dr. Jan Cvengros, ETH Zurich

Registration Fees

free for SCS members
CHF 60 for non-members

Online Conference Information

The Event will be held online in a virtual conference room. During the registration process, you will generate a login for the conference website that provides the link to access the platform.

Website and Registration

chemedu21.scg.ch

SCS Spring Meeting 2021

“Chemistry and the Environment”



April 15, 2021, Online Symposium
The SCS Spring Meeting was the first regular event that was organized by the SCS and looks back on a 120 years old history, started in 1901. It's a one day symposium that focuses on a specific topic and provides a high quality program with national and international speakers.

Program

- 09.00 Opening of the virtual conference room
- 09.30 Welcome and opening of the Symposium
Prof. Kathrin Fenner, Eawag and University of Zurich
Chair SCS Section Chemistry and the Environment
Prof. Ioannis Katsogiannis, Thessaloniki, GR
President EuChemS section Chemistry & Environment
- 09.50 Prof. Lucy Carpenter, University of York, UK
«Atmospheric Chemistry on and Over the Ocean»
- 10.30 Short Break
- 10.40 Prof. Tamara Galloway, University of Exeter, UK
«Microplastic and Global Boundary Threads»
- 11.20 Dr. Michael Sander, ETH Zurich, CH
«From Persistence to Desistance: on the Environmental Fate of Biodegradable Polymers»
- 12.00 Lunchbreak / Commercial exhibition
- 13.15 SCS General Assembly 2021
- 14.00 Prof. Wendy Queen, EPFL Lausanne, CH
«The Design of Highly Stable MOF/Polymer Composites for the Extraction of Metal Ions from Complex Aqueous Mixtures»
- 14.40 Dr. Claudio Screpanti, Syngenta, CH
«Crop Protection 2.0: Chemical Innovation to Support Sustainable Agriculture»
- 15.20 Short break
- 15.30 Dr. Bettina Hitzfeld, Federal Office for the Environment
«Environmental Chemistry: Future Challenges»
- 16.10 Prof. Arturo Keller, UC Santa Barbara, USA
«Elucidating Crop Plant Response to Engineered Nanomaterials Using Metabolomics and Proteomics»
- 16.50 Closing remarks

Organizer

SCS Section Chemistry and the Environment
Chair: Prof. Kathrin Fenner, University of Zurich / Eawag

Registration Fees

free for SCS members
CHF 50 for non-members, regular
CHF 25 for non-members, student

Website and Registration

sm21.scg.ch

Freiburger Symposium 2021



April 22–23, 2021, Online Symposium
“Industrial & Applied Chemistry 4.0”

The objective of this biennial conference is to regularly provide our members and other interested chemists working in process development and production with opportunities for professional training and networking.

For the first time the Freiburger Symposium will take place as an online symposium to fulfill the regulations of the government and to facilitate safe exchange of scientific information.

Program Thursday, 22 April 2021

- 08.00 Opening of the Zoom Conference room
08.30 Opening of the 15. Freiburger Symposium
Address of welcome by
Dr. Roger Marti, HTA-FR, President of the DIAC
Dipl. Ing. Urban Jenelten, Firmenich SA, Chairman of the OC
08.45 «Going with the Flow – The Use of Continuous Processing in Organic Synthesis»
Prof. C. Oliver Kappe, University of Graz, Austria
09.30 «Reductive Hydrosilylation Chemistry in Continuous Flow: A Toolbox Approach from Lab to Pilot Scale»
Dr. Serena Mostarda, Novartis AG, Basel, Switzerland
Short Break
10.15 «An industrial example of converting a Batch Fine-Chemical process Into a Continuous One»
Dr. Harvey Randall, Firmenich SA, La Plaine, Switzerland
11.15 3x 10 min short talks
11.45 Lunch break & virtual Poster Session
13.30 «How to Apply Machine Learning to Industrial Data»
Dr. Sylvie Roussel, Ondalys, France
14.15 «Data Mining, Visualization, and Modelling in the Pharmaceutical Industry using SEEQ»
Dr. Helge Engelking, Lonza AG, Visp, Switzerland
Engr. Joseph Reckamp, SEEQ Corporation
Short Break
15.00 «Design of Experiments, Design of Simulations: How to Integrate Model Knowledge to Maximize the Information Content of Data»
PD. Dr. Michael Bortz, Fraunhofer ITWM, Kaiserslautern, Germany
16.00 Keynote Lecture
«Digitalization @ Linde: Principles for Success»
Ing. Philipp Karmires, Chief Digital Officer, Linde, Germany

Program Friday, 23 April 2021

- 08.30 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
09.15 Sandmeyer Award Lecture 2021: «AmoMax®-Casale, a new catalyst for a greener and less energy consuming process for industrial large scale ammonia synthesis»
Casale SA and Clariant
Short Break
10.00 «Online Measurements & Preventive Diagnostics»
Dr. Hernan Aguiar Garcia, Syngenta Crop Protection, Basel, Switzerland

- 11.00 «Data-driven Approaches to the Discovery and Classification of Homogeneous Catalysts»
Prof. Clemence Corminboeuf, EPFL Lausanne, Switzerland / NCCR Catalysis & NCCR Marvel
11.45 Lunch break
12.45 «Next Generation Manufacturing at Biogen – PAT as an Enabler for Enhanced Process Control in Commercial Antibody Manufacture»
Dr. Oliver Steinhof, Biogen International GmbH, Luterbach, Switzerland
13.30 «Process Analytical Technology: Smart Tools or Expensive Toys?»
Dr. Hans-Peter Nirmaier, Lonza AG, Visp, Switzerland
14.15 Best Poster Award – 5 min Presentation
14.30 Closure of the Symposium

Virtual Poster Session

The virtual posters in form of short video presentations (3 min) are available during the whole week. There are different channels to interact with the presenters. The two best presentations will be awarded the Freiburger Symposium Poster Prize (certificate and prize money of 200 CHF).

Organizer

SCS Division of Industrial & Applied Chemistry
Chairs: Prof. Roger Marti, HEIA Fribourg and Dr. Urban Jenelten, Firmenich SA, Geneva

Website and Registration

fs21.scg.ch

e-Bürgenstock 2021: Presidents meet Young Fellows



May 6, 2021, Online Conference.
The 55th edition of the Bürgenstock Conference had to be cancelled in 2020 due to the eruption of the COVID-19 pandemic. Unfortunately, the current situation both in Europe and worldwide, with mandatory restrictions on holding physical events and on travel, has forced us to take the difficult decision of cancelling the 2021 edition as well.

This year's approach: e-Bürgenstock 2021

In the middle of what seems to be a dark period for us all, we are eager to lift each other's spirits, and in particular, those of our young fellow colleagues that should have participated in the JSP program of both Bürgenstock conferences, 2020 and 2021. Therefore we decided that an online event entitled “e-Bürgenstock 2021: Presidents meet Young Fellows” will be held as a way to celebrate science and give the JSP fellows the opportunity to “virtually” meet and share their exciting discoveries with the most renowned members of the chemistry community.

CHanalysis 2021 – cancelled



May 6–7, 2021, Dorint Hotel Beatenberg
The Division Analytical Sciences of the Swiss Chemical Society (SCG/DAS) was planning to organizing CHanalysis, a meeting of Swiss analytical scientists in early May.

Due to the ongoing and uncertain Covid-19 situation, CHanalysis 2021 has to be cancelled. The organizing committee regrets the decision very much, but sees no alternative. The goal of CHanalysis is to bring together community members in all areas of analytical sciences in Switzerland and since an on-site meeting is not realistic, the committee saw no alternative options. An online conference would not provide the platform for the much appreciated 1:1 interaction.

The Simon Widmer Award lecture and the METAS Award lecture will be moved to the SCS Fall Meeting in September 2021. We hope to see you all at the online SCS Fall Meeting in September 2021 or at the 2022 CHanalysis in Spring next year.

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Website and application to participate

bc21.scg.ch

24th ETH Conference on Combustion-Generated Nanoparticles 2021



Jun 22–24, 2021, Online Conference
The conference serves as an interdisciplinary platform for expert discussions on all aspects of nanoparticles, freshly emitted from various sources, aged in ambient air, technical mitigation aspects, impact of particles on health, environment and climate and particle legislation. The conference brings together

representatives from research, industry and legislation.

Conference Topics

- Aircraft, marine and other non-road sources
- Ambient air particles, secondary pollutants
- Biomass-, biofuel- and synfuel combustion
- Emission control of combustion engines
- Emission upgrade and PTI for in-use vehicles
- Exhaust aftertreatment systems
- Future legislation and enforcement
- Health effects
- Impact on climate
- Nanoparticle formation and transformation
- Nanoparticle metrology and chemical characterization
- Nanoparticle chemistry and toxicology
- Occupational exposure and prevention

Contacts

Dr. Nobert Heeb, Empa Dübendorf, President of the OC
Dr. Andreas Mayer, TTM, Honorary President (Past President)

Deadlines

02.04.2021 Abstract submission
21.05.2021 Registration for participants

Website and Registration

Participation is free of charge
nanoparticles21.scg.ch

Swiss Summer School 2021: «Catalysis and Sustainable Chemistry»



Sep 5–9, 2021, Eurotel Victoria & La Maison des Congrès, Les Diablerets
The focus of this edition of the Swiss Summer Schools is on catalysis and sustainable chemistry, with input lectures by experts from academia and industry, and student presentations. It offers a platform to students for the exchange with leaders in the field from academia

and Industry. This Summer School is organized jointly with the NCCR Catalysis.

The team of Summer School Lecturers is built from experts in different areas of catalysis and sustainability, representing different academic institutions (Caltech, Princeton, Ben Gurion University, the University of Bern, and ETH Zurich). In addition, lectures presented by researchers from Syngenta, Siegfried, Merck/Sigma-Aldrich, Novartis, IBM Research and Sulzer will illustrate the importance of synthesis, catalysis and sustainability in industry.

Registration and Fees

| | SCS Member | Non-Member |
|----------------------------|------------|------------|
| Students/Postdoc | CHF 720 | CHF 870 |
| Senior Participant | CHF 920 | CHF 1'070 |
| Single room accommodation: | +CHF 200 | +CHF 200 |

The registration fee covers accommodation (full board), conference dinner and award ceremony, plus seminar charges (free for students and postdocs).

Teaching Body

- Prof. Robert H. Grubbs, Caltech
- Prof. Christophe Copéret, ETH Zurich
- Prof. Eva Hevia, University of Bern
- Prof. Todd Hyster, Cornell University
- Prof. Anat Milo, Ben Gurion University
- Prof. Javier Pérez-Ramírez, ETH Zurich

Industry Lecturers

- Dr. Christoph Boss, Idorsia Pharmaceuticals Ltd.
- Dr. Thomas Carl, Siegfried AG
- Dr. Susanne Drechsler, Sulzer
- Dr. Markus Fischer, Merck/Sigma-Aldrich Production GmbH
- Dr. Edouard Godineau, Syngenta Crop Protection AG
- Dr. Teodoro Laino, IBM Zurich Research Laboratory
- Dr. Audrey Langlois, Novartis
- Dr. Lucie Novelle, Novartis

Organization Committee

- Prof. Bill Morandi, ETH Zurich
- Prof. Jérôme Waser, EPFL Lausanne/NCCR Catalysis
- Dr. Hans Peter Lüthi, SCS Foundation
- Dr. Marie Francine Lagadec, NCCR Catalysis

Deadlines

Registration incl. poster/talk application July 11, 2021
Notification of acceptance July 26, 2021

Website and Registration

summer-school21.scg.ch

Swiss Chemistry Science Night 2021



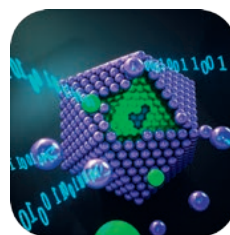
September 9, 2021, Casino Bern
This event will honor the winners of the 2020 and 2021 Swiss Chemical Society Awards in front of distinguished leaders from industry and academia as well as representatives from politics and the media. The evening will be a celebration of discovery and innovation in the chemical sciences.

Program

- 17.00 Aperitif
18.00 Welcome: Alain De Mesmaeker, SCS President
Keynote addresses
18.30 Celebration of the SCS Award Winners 2020:
Prof. Scott E. Denmark, University of Illinois, USA
Prof. Konrad Tiefenbacher, University Basel/ETHZ
Ipatasertib Team F. Hoffmann La-Roche, Basel
Dr. Frank Petersen, Novartis, Basel
Dr. Hasane Ratni, F. Hoffmann La-Roche, Basel
Dr. Denis Jacoby, Firmenich, Geneva
Dr. Hans Ueli Ehrensperger, Kantonsschule Frauenfeld
Mr. Nicola C. Lüdi, ZHAW Wädenswil
19.30 Dinner
21.00 Celebration of the SCS Award Winners 2021:
Prof. Raffaella Buonsanti, EPFL Lausanne
Team from Casale SA and Clariant
Dr. Andrew Edmunds, Syngenta, Stein
Dr. Cornelia Zumbrunn, Idorsia, Allschwil
Prof. Francesca Paradisi, University of Bern
Dr. Kristýna Kantnerová, EMPA Dübendorf
Prof. Andrew deMello, ETH Zurich
Mr. Stefan Näf, ZHAW Wädenswil
Ms. Kristina Djordjevic, FHNW Muttenz
22.00 Dessert, coffee
23.00 Official end

Participation in the event is by invitation only. Based on the situation around Covid-19, we will invite between 30 and 150 people. The event is supported by our SCS Partnership companies.

SCS Fall Meeting 2021 – Virtual Event



September 10, 2021, Online Conference
The SCS Fall Meeting is the largest annual scientific event in Switzerland. It offers a unique opportunity for graduate students, post-doctoral researchers and scientists of all levels, from both, academia and industry, to share the results of their research projects.

Formal host of the 2021 edition of the event is again the Departemen Chemistry and Biochemistry of the University of Bern. After a very successful organization of the first online event in 2020, the Department management kindly agreed to host the Fall Meeting again in 2021.

Program Highlights:

- Two plenary sessions with lectures of SCS prize winners 2021
- Virtual Poster Session during the whole week
- Nine thematic parallel sessions with keynote lectures and 15 min PhD presentations
- Best oral and best virtual poster presentation award ceremony

Topics of the Parallel Sessions

- Analytical Sciences
- Catalysis Science & Engineering
- Computational Chemistry
- Chemistry and the Environment
- Inorganic & Coordination Chemistry
- Medicinal Chemistry & Chemical Biology
- Organic Chemistry
- Physical Chemistry
- Polymers, Colloids & Interfaces

Deadlines

- 15.03.2021 Open of Registration and abstract submission
30.05.2021 Deadline for Abstract submissions
18.06.2021 End of review process
22.06.2021 Notice of acceptance to contributors
09.07.2021 Publication of full program on the web site
29.08.2021 Deadline for video upload for the virtual poster sessions
10.09.2021 SCS Fall Meeting online event (registration for non-SCS members with online payment only)

Chairs of the SCS Fall Meeting 2021

Prof. Silvio Decurtins, University of Bern
Dr. Hans Peter Lüthi, ETH Zurich and SCS

Website, Registration and Abstract Submission

fm21.scg.ch

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ADDITIONAL CONFERENCES IN SWITZERLAND AND ONLINE EVENTS

The Next Generation of Biocatalysis in Bern

27–28 May 2021 – University of Bern and online (hybrid)
 «The Next Generation of Biocatalysis in Bern» is a workshop focused on stimulating the networking among young researchers and promoting the scientific career at junior stages. It will give the opportunity to PhD students to present their work as oral presentations in an international environment. The innovative format will allow the attendees to actively discuss about present and future of Biocatalysis.

Due to the COVID-19 situation, the workshop will be a hybrid event (on-line and in person participation) to ensure everyone can participate regardless of the government regulations.

ngbiocatbern.wixsite.com/overview.

ECG-COMON Meeting 2021

07–08 Jun 2021 – Online Conference (Zoom)

The ECG-COMON was founded at the end of 2004 by a group of scientists who were looking for a way to push forward the application of the electrochemical noise technique to monitor localised corrosion.

The 16th annual ECG-COMON Meeting 2021 needs to be held online, due to the COVID-19 crisis. It will be held via Zoom and will consist of some talks with discussions and a short Round-Robin session. Of course we are aware that an online meeting cannot replace our normal meeting with all the fruitful discussions and social networking activities, but we concluded that it is still important to meet at least once during these difficult times. So we hope you will join this online meeting and that we make the best out of it.

ecg-comon.org/meetings/ecgcomon-meeting-2021/.

ContaSed 2021-hybrid; 2nd International Conference on Contaminated Sediments

9–11/12. Jun 2021 – Universität Bern, UniS and online.

Sediments are sources and sinks of contaminants, and play an important role in mediating pollutants across compartments of ecosystems. Following ContaSed2015, ContaSed2020 will focus on organic and inorganic sediment contaminant classes including emerging contaminants, heavy metals and persistent organic pollutants.

www.oeschger.unibe.ch

3rd Symposium on Industrial Biocatalysis

10 Jun 2021 – ZHAW Campus Grüental (GA)

The symposium will cover cutting edge topics of bio-catalysis, ranging from the evolution of synthetically valuable enzyme families, genetic code expansion and the design and optimization of artificial enzymes, to the development of computational approaches for enzyme engineering. In addition, the symposium

will feature several successful biocatalysis examples from industry.

www.zhaw.ch/de/lsvm

15th International Conference on Materials Chemistry

12–15 Jul 2021 – Online Conference/Virtual Event

Organised by the Royal Society of Chemistry, the 2021 conference will host some of the leading materials researchers from around the world. It promises to be a great forum for materials chemists to network with and build strong collaborations within their community and related disciplines.

For MC15 we have a programme covering materials chemistry in all its breadth and diversity. There are four main themes, listed below, and underlying the whole conference is an emphasis on sustainability in chemistry throughout the materials lifecycle. Plenary lectures will highlight advances across the themes and keynote speakers will describe leading work within each theme, with sustainability and diversity of the materials chemistry community at the forefront.

www.rsc.org/events/detail/43710/

6th European Symposium of Photopolymer Science

15–17 Jun 2021 – Online Conference (Zoom)

The European Symposium of Photopolymer Science (ESPS) aims to bring together the brightest minds from both academia and industry to collectively present and discuss the fundamental issues within this still burgeoning field. The meeting consists of seminars from not just European but international leaders of photopolymer science.

It is the intention of the organizers to provide ample time for discussion to emphasize the workshop character and stimulate the exchange of new ideas. The program will be mainly based on invited talks given by respectable scientists working in the field of photopolymer science. In addition, other contributed papers with 15 minutes allotted for presentations and posters with a 5 min flash talk may be submitted. For both categories there will be given 3 awards for the best presentations.

www.vesps2021.net

International Conference on Photochemistry 2021 (ICP 2021)

19–23 Jul 2021 – Online Conference/Virtual Event

The conference program covers the most recent advances in photochemical and photophysical sciences in their broadest sense, and reflect the new frontiers in these fields. The virtual conference will be as similar as possible to an event happening onsite and will offer many new opportunities. The organizing and the scientific committees are working hard to prepare an attractive and exciting scientific program, which covers the most recent advances in photochemical and photophysical sciences in their broadest sense, and reflect the new frontiers in these fields. As a participant, you will be able to attend sessions, watch plenary and invited lectures,

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explore networking opportunities, exchange with other attendees and engage with exhibitors at their virtual booth.
www.icp2021.ch

Future Labs LIVE 2021

21–22 Jun 2021 – Online Conference/Virtual Event

Labs, be they focused on research and development or on the creation of products and services, are the backbone of industry. The former turn money into knowledge while the latter turn knowledge back into money. Despite this, the potential of labs remains underutilised. Technological, organisational, and cultural change remains a challenge across multiple industries. Transforming the lab and those who use it must happen now!

Future Labs LIVE is essential and timely. Held virtually over two days, with over eighty global experts Future Labs will provide comprehensive and interactive coverage of the key issues and technologies.

Future Labs unites leading stakeholders from across the entire laboratory eco-system to create insight and to promote collaboration. We guarantee to give you an experience that is engaging, collaborative and global.

www.terrapiinn.com/conference/future-labs-live/

23rd International Conference on Photochemical Conversion and Storage of Solar Energy

3–6 Aug 2021, EPFL Lausanne, SwissTechCenter

The first IPS meeting took place in Boston 1974, since then every two years, the IPS conference series has been held in more than 20 cities around the world, attracting 600–800 participants. The IPS conference offers a versatile platform to discuss the latest advances in renewable energy and storage research, and to enhance the regional and international collaborations. The IPS-23 will welcome scientists, engineers, and students from all over the world to enrich their knowledge, interact to spark new ideas, and foster new collaborations and partnerships. The programme will include a combination of Plenary, invited talks, contributing talks, and poster presentations in a meeting which will bring a broad spectrum of the community together to discuss the latest advances in Energy conversion and storage research. The conference will have the scientific and social programme over five full days, with three parallel sessions after plenary talks.

ips23.epfl.ch/

Biointerfaces International 2021 incl. Science and Translation Sessions

17–19 Aug 2021, Universität Zurich, City Campus

Programming aims to build bridges across relevant application areas, between science & engineering, innovation & technology, industry and academic partners and senior scientists & early-career researchers. Highly renowned and young scientists from academia, industry and clinics present their latest scientific findings and technological breakthroughs.

www.biointerfaces.ch/international/2021

SCS LECTURESHIPS

Due to COVID-19 all SCS Lectureship tours are postponed. Please visit our website on scg.ch/scs-lectureships for the latest information about tours and dates.

The SCS Lectureship tours are financially supported by:



LECTURES APRIL 2021

Please visit our website scg.ch for the latest announcements on lectures at Swiss universities and companies. Due to the uncertainty associated with the pandemic situation, lectures are often organized, rescheduled or postponed at short notice.
scg.ch/lectures

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Gleich nachschlagen:
roempp.thieme.de

NEU in 2020 – RÖMPP 5.0:

- Heimzugang von zuhause
- Playlists für wiederkehrende Recherchen
- bibliographischer Download

2019/20

Thieme