



Events

Congresses, Symposia, Lectures, Education Courses

SCS CONFERENCES AND SYMPOSIA 2017

SCS Fall Meeting 2017 NEW: 1.5 days!



August 21–22, 2017
University of Bern, vonRoll Areal
Given its increased size and popularity, the meeting was extended to an event of one and a half days to better accommodate the one thousand participants, and to also offer new platforms. We are happy and proud to present you a fantastic and diversified program with contribu-

tions from academia and industry in all fields of chemistry.

The SCS Fall Meeting offers a unique opportunity for all members of the community to share the results of their research initiatives. It also stimulates the exchange of ideas between all generations of chemists, often creating the seeds for new projects and collaborations.

Program Overview

August 21, 2017: Day One

- 12.30 Registration / Welcome Coffee
13.00 Helvetica Session
Prof. Harry Anderson, University of Oxford
Prof. Luisa De Cola, Université de Strasbourg
14.20 Short Break
14.30 'Future Leaders on Stage', SCS Postdoc Colloquium
16.00 Coffee Break
16.30 'Future Leading Companies on Stage', SCS Start-up Colloquium
17.45 Short Break
18.00 KGF-SCS Senior Industrial Award Lecture 2017/I
Dr. Emmanuel Pinard, F. Hoffmann-La Roche Ltd
18.30 Poster Session I / Beer and Brezel
Commercial exhibition
19.00 SCS VIP event
Apéro Riche and Networking
19.30 Award Ceremonies of SCS Major Awards 2017
21.00 End of day one

August 22, 2017: Day Two

- 09.00 Registration / Welcome Coffee
09.45 KGF-SCS Industrial Award Lecture 2017
Dr. Richard Sedrani, Novartis Pharma AG
10.15 Grammaticakis-Neumann Award Lecture 2017
Prof. Robert Knowles, Princeton University
10.45 Short Break
11.00 Parallel Session I
Invited lecture and five short talks
- Analytical Sciences
- Catalysis Science & Engineering
- Inorganic & Coordination Chemistry
- Medicinal Chemistry & Chemical Biology
- Organic Chemistry

- Physical Chemistry
- Polymers, Colloids & Interfaces
- (Computational Chemistry: at STC in Basel)
11.00 Symposium on PAT & Industry 4.0, part I
12.45 Lunch and Poster Session II
VIP lounge
Commercial exhibition
15.00 Parallel Session II
Sponsored lecture and five short talks
Same sessions as in the morning
15.00 Symposium on PAT & Industry 4.0, part II
16.45 Short Break
17.00 KGF-SCS Senior Industrial Award Lecture 2017/II
Dr. Thomas Netscher, DSM Nutritional Products Ltd
17.30 Sandmeyer Award Lecture 2017
Dr. Stefan Hildbrand, F. Hoffmann-La Roche AG
18.00 Best Oral / Poster Award Ceremony
18.30 Closing Remarks and end of the Fall Meeting 2017

Registration Fees

Free of charge for all SCS members
CHF 100: registration to the conference, two-days pass
CHF 50: registration to the conference for one day

Register on <http://scg.ch/fallmeeting/2017>

Symposium on Process Analytical Technology (PAT)



Tue, 22 August 2017,
University of Bern, VonRoll Areal,
building 8, room B 101

Process analytical technology (PAT) has been demonstrated as one of the key driver for the future plant automation. More and more smart sensors will be analyzing the critical quality attributes of your product and critical asset performance

indicators will provide you a clear picture of your over-all plant fitness. All the collected information could result into a real-time release or "lights-out" manufacturing strategy. For the first time, the Swiss PAT community will meet on the SCS Fall Meeting.

Symposium Program

- 11.00 Morning Session
Welcome to the first PAT Symposium
Dr. Tobias Merz, Lonza AG
11:15 «Sensor Roadmap 4.0 – Prospects towards a uniform topology for process control and smart sensor networks»
Dr. Michael Maiwald, Bundesanstalt für Materialforschung und -prüfung (BAM)
11:45 «Machine Learning and Chemometrics: A contradictive approach or a good complement»
Dr. Frank Westad, CAMO
12:15 «Challenges in data management for biopharmaceutical productions»
Dr. Helge Engelking, Lonza Ltd.

- 12.45 Lunch and Poster Session II
Exhibition
- 15.00 Afternoon Session
«From process understanding to manufacturing process control with PAT»
Dr. Christian Lautz, Roche
- 15.30 «Real-time Insights: Inline Raman monitoring of distillation columns»
Dr. Clemens Minnich, S-PACT
- 16:00 «Online Proton-transfer-reaction and Resonance-enhanced multiphoton ionization mass spectrometry for monitoring the coffee roast process.»
Dr. Sebastian Opitz, ZHAW
- 16.30 Discussion
- 16.45 Short break

Register on <http://scg.ch/fallmeeting/2017>

Future of Chemical Education (ChemEdu 2017)



Tue, 22 August 2017,
University of Bern / PH Bern, VonRoll Areal, building 8
The 2nd edition of the ChemEdu event series that started last year with a very successful day at University of Zürich, will provide an excellent platform for chemistry teachers of all levels to meet and exchange ideas. The participation

target group covers chemical teachers from primary school to the academic level of Universities and Universities of Applied Sciences.

The goal of the one-day event is to exchange best practice and to formulate strategies to strengthen the chemical education in the curricula on all levels.

Registration and program details on <http://scg.ch/chemedu/2017>

Austrian Chemistry Days 2017



September 25–28, 2017
University of Salzburg, Austria
The Austrian Chemical Society (Gesellschaft Österreichischer Chemiker, GÖCH) invited the SCS to partner for their major annual chemistry event in Salzburg. To strengthen the relationship and to foster the exchange between researchers of both countries, SCS plans to participate with a delegation of about 30 researchers.

The SCS delegation will be led by, Prof. em. E. Peter Kündig, University of Geneva (Invited lecture on Wed, 27.09.17, 14.20h), Prof. Maksym Kovalenko, ETH Zürich, Werner Prize Winner 2016 (Invited lecture on Tue, 26.09.17, 09.00h), Dr. Alain De Mesmaeker, Syngenta Crop Protection, Stein, SCS President, Prof. Christian Bochet, University of Fribourg, SCS Vice President, Dr. Hans Peter Lüthi, ETH Zurich, SCS Board member, David Spichiger, SCS Executive Director

We are now calling for PhD/Postdoc applications that will complete the SCS delegation

Travel to Salzburg and back to Switzerland

Departure Zurich main station: Mon, 25.09.2017, 08.40h >
Arrival in Salzburg: 14.03h
Departure Salzburg: Wed, 27.09.2017, 15.56h > arrival in Zurich: 21.20h

Conference related onsite-costs will be covered by SCS:
Participation fee for the whole conference
Welcome party on Mon, 25.09.17
Conference evening on Thu, 26.09.17
Accommodation (hotel organized by GÖCH)

If you are interested to be part of the SCS delegation, please send a mail to info@scg.ch, including your abstract. A poster or oral presentation is mandatory for all Swiss participants. The abstract template is available on the SCS website www.scg.ch/goech17
Abstract submission: May 15, 2017
<http://www.chemietage.at>

ILMAC Romandie 2017



October 4–5, 2017
MCH Beaulieu Lausanne SA
The fair provides a unique platform for process and lab automation in the French speaking part of Switzerland with a strong focus of interaction and get-together sessions.

ILMAC Forum Activities

- Wed, October 4, 2017, 10–12h: symposium on operational excellence (OE) in the chemical industry, organized by DIAC/SCS
 - Thu, October 5, 2017, 10–12h: symposium with focus on Biotech in Switzerland, organized by BioAlps
- www/ilmac.ch

SCS-Syngenta Symposium



October 5, 2017
Syngenta Research Campus, Stein (AG)
“Natural Products: an ongoing chemist’s success story”

Registration will open in August 2017.

Plenary lectures:

- Prof. Jon Clardy, Harvard University
- Prof. Christian Hertweck, University of Jena
- Prof. Scott Snyder, University of Chicago

Invited lectures:

- Prof. Karl Gademann, University of Zurich
- Prof. Birger Lindberg Møller, University of Copenhagen
- Prof. Jieping Zhu, EPFL Lausanne
- Dr. Christophe Meyer, ESPCI, Paris
- Dr. Frank Petersen, Novartis, Basel
- Dr. Carmen Cuevas, Pharmamar, Spain
- Dr. Mathilde Lachia, Syngenta, Basel
- Dr. Alec Birkbeck, Firmenich, Geneva

<http://scg.ch/syngenta-symposium/2017>

NON-SCS CONFERENCES IN SWITZERLAND

01.07.2017.–31.12.2017

22nd International Symposium on Olefin Metathesis and Related Chemistry (ISOM XXII)

09.07.2017–12.07.2017

ETH Zürich (Zentrum), Main Building, Zürich

Following the model of a successful series of previous symposia, the upcoming ISOM XXII will cover the following topics:

- Catalyst development and Organometallic Chemistry of carbenes and carbynes
- Application of Olefin Metathesis in Organic and Pharmaceutical Chemistry
- Application of Olefin Metathesis in Materials and Polymer Chemistry
- Application of Olefin Metathesis in sustainable use of renewable resources
- Olefin Metathesis related chemistries

<http://www.isom22.ch>

International Conference on Molecular Systems Engineering 2017 (ICMSE)

27.08.2017–29.08.2017

University of Basel, Kollegienhaus, Basel

The ICMSE is a unique event in the emerging field of molecular systems engineering, and has the potential of leading to a long-term paradigm shift in molecular sciences. Prior to the ICMSE, a pre-conference for students and postdocs will be held.

<http://www.nccr-mse.ch/>

Int. Conference “The Economics of Innovation: from Basic Research to the Market”

04.09.2017 - 06.09.2017

Brocher Foundation, Hermance, Geneva

The conference aims to determine the state of the art in the field of economic theory of innovation and stimulate further work to better understand the innovation process. Delegates will explore the rate-limiting or critical steps at each stage of the process and then carefully evaluate how different factors influence the outcome.

<http://www.nccr-chembio.ch>

BioTech 2017

07.09.2017–08.09.2017

Zurich University of Applied Sciences, Campus Grüental, Wädenswil

BioTech 2017 will provide an interdisciplinary discussion forum for experts in the field of (bio)process analytics and sensor technology. With a strong focus on applications, the conference aims at bringing together scientists and professionals from both industry and academia.

<http://www.biotech2017.ch>

SGMS 35th Annual Meeting

25.10.2017–27.10.2017

Dorint Resort Bluemlisalp, Beatenberg

Annual meeting of the Swiss Group for Mass Spectrometry

<http://www.sgms.ch/sgms/ms-meetings/2017-sgms-meeting.php>

Plateforme pour la chimie,
la pharmacie et la biotechnologie

ILMAC^{///}

LAUSANNE

4. and 5. October 2017 | Expo Beaulieu Lausanne

ilmac.ch/lausanne



PREMIERE

FOR THE FRENCH
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SCV⁺ Schweizerische Chemie
und Pharmabundelerverb.

LECTURES JULY 2017

Lectures at University of Basel

<http://www.chemie.unibas.ch>



Inorganic and organic chemistry

<https://chemie.unibas.ch>

Prof. Dr. Shannon S. Stahl, University of Wisconsin, Madison, USA
06.07.2017, 17.30h, Kleiner Hörsaal OC, Organische Chemie, Universität Basel
Basler Chemische Gesellschaft

EDUCATION COURSES IN ANALYTICAL CHEMISTRY

Trenntechnik

High Performance Thin Layer Chromatography [TR-2]

10.–11.10.2017, 9–17h; CAMAG, Muttenz

Maurus Biedermann, Kantonales Laboratorium Zürich

GC für Fortgeschrittene: Einspritztechniken in Theorie und Praxis [TR-4b]

14.–15.11.2017, 9–17h; Brechbühler AG, Schlieren

Maurus Biedermann, Kantonales Laboratorium Zürich

Injection techniques in gas chromatography NEW [TR-4bE]

26.–27.09.2017, 9–17h; Olten

Maurus Biedermann, Kant. Laboratorium Zürich

GC für Fortgeschrittene: Methodenentwicklung [TR-4c]

31.10.2017, 9–17h; Brechbühler AG, Schlieren

Maurus Biedermann, Kantonales Laboratorium Zürich

GC für Fortgeschrittene: Headspace Injektionstechniken [TR-4d]

04.10.2017, 9–17h; Brechbühler AG, Schlieren

Dr. Robert Stoop, Brechbühler AG, Schlieren

GC für Fortgeschrittene: Grossvolumige Einspritztechniken [TR-4e]

16.11.2017, 9–17h; Brechbühler AG, Schlieren

Maurus Biedermann, Kantonales Laboratorium Zürich

GC-Troubleshooting [TR-5]

16.–17.11.2017, 9–17h; Eawag Dübendorf

Heinrich Müller, Covanis GmbH, Busswil

GC-Troubleshooting NEW [TR-5E]

26.–27.10.2017, 9–17h; Olten

Heinrich Müller, Covanis GmbH, Busswil

Tipps und Tricks für fortgeschrittene GC-MS-Anwender/-innen [TR-7]

05.–06.10.2017; 9–17h; Eawag Dübendorf

Prof. Michael Oehme, Inst. für Angewandte Analytische Chemie, Appenzell

Introduction to HPLC NEW [TR-9E]

24.–25.10.2017, 9–17h; Olten

Dr. Roland Looser

Trends in der (U)HPLC-schnelle HPLC [TR-18]

30.08.2017, 9–17h; Eawag Dübendorf

Dr. Jürgen Maier-Rosenkranz, JMR-Analytik, Rottenburg-Seebronn, Deutschland

Trends in (U)HPLC-fast Chromatography Today NEW [TR-18E]

19.09.2017, 9–17h; Olten

Dr. Jürgen Maier-Rosenkranz, JMR-Analytik, Rottenburg-Seebronn, Deutschland

Säulen, Phasen und Trennoptimierung in der HPLC – Ergänzungskurs [TR-10]

27.–28.11.2017, 9–17h; Eawag Dübendorf

François Vogel, FHNW, Muttenz

From the Chemical Structure to a HPLC-Method NEW [TR-20E]

11.10.2017, 9–17h; Olten

Dr. Jürgen Maier-Rosenkranz, JMR-Analytik, Rottenburg-Seebronn, Deutschland

HPLC-MS in der Spurenanalytik [TR-6]

03.–04.10.2017, 9–17h; Eawag Dübendorf

Prof. Dr. Michael Oehme, Inst. für Angewandte Analytische Chemie, Appenzell

HPLC-Troubleshooting – Ergänzungskurs [TR-11]

02.–03.11.2017, 9–17h; Eawag Dübendorf

Heinrich Müller, Covanis GmbH, Busswil

Einführung in die Biochromatographie – Trennung von Peptiden und Proteinen [TR-19]

31.08.2017, 9–17h; Eawag Dübendorf

Dr. Jürgen Maier-Rosenkranz, JMR-Analytik, Rottenburg-Seebronn, Deutschland

Introduction to Biochromatography NEW [TR-19E]

10.10.2017, 9–17h; Olten

Dr. Jürgen Maier-Rosenkranz, JMR-Analytik, Rottenburg-Seebronn, Deutschland

Nanoflow-HPLC-MS: Praktische Grundlagen beim Arbeiten mit kleinen Flussraten [TR-13]

04.10.2017; 9–17h; Eawag Dübendorf

Dr. Martin Biniossek, Inst. für Molekulare Medizin und Zellforschung, Universität Freiburg, Deutschland

Enantioselektive chromatographische Trennmethode [TR-14]

07.11.2017, 9–17h; Eawag Dübendorf

Dr. Markus Juza, Cordem Pharma Switzerland, LLC, Liestal

Charakterisierung von Polymeren und Biopolymeren mit Grössenausschlusschromatographie GPC/SEC/GFC [TR-17]

05.09.2017, 9–17h; Eawag Dübendorf

Dr. Haitham Barqawi, PPS Polymer Standards Service, Mainz, Deutschland

Characterization of polymers and biopolymers using Size Exclusion Chromatography GPC/SEC/GFC [TR-17E]

04.09.2017, 9–17h; DAS-Kurse Olten (Angestellte Schweiz)

Dr. Haitham Barqawi, PPS Polymer Standards Service, Mainz, Deutschland

Einführung in die Ionenchromatographie (IC) [TR-8]

14.11.2017, 9–17h; Zofingen

Patrick Bruggmann, Methrohm Schweiz AG

Spektroskopie

Atomabsorptions-, Atomemissions-Spektrometrie (AAS und AES) – für Einsteiger/-innen [SP-1]

05.09.2017, 9–17h; Eawag Dübendorf

Dr. Peter Lienemann, ZHAW, Wädenswil

Atomabsorptions-, Atomemissions-Spektrometrie – Theorie für die Praxis [SP-2]

07.09.2017, 9–17h; Eawag Dübendorf

Dr. Peter Lienemann, ZHAW, Wädenswil

Röntgenfluoreszenz in der praktischen Anwendung [SP-3]

16.11.2017, 9–17h; Eawag Dübendorf

Dr. Fredy Rüttimann, Terrachem GmbH, Mannheim, Deutschland

La Spectrométrie de Masse à Source Plasma: principes de fonctionnement et applications au dosage d'éléments en (nano-)traces et à la mesure de compositions isotopiques [SP-4F]

28.–29.09.2017, 9–17h; Genève; Sophie Michalek, François-Xavier d'Abzac, Géosciences Environnement Toulouse, Toulouse

Interpretation von Massenspektren [SP-8]

06.11.2017; 9–17h; Eawag Dübendorf

Prof. Ernö Pretsch, ETHZ, Dr. Marc Suter, Eawag, Dübendorf

Interpretation of Mass Spectra [SP-8E]

09.11.2017; 9–17h; DAS-Kurse Olten (Angestellte Schweiz)
Prof. Ernö Pretsch, ETHZ, Dr. Marc Suter, Eawag, Dübendorf

Messung und Interpretation von IR-Spektren [SP-9]

07.–08.09.2017, 9–17h; Portmann Biel-Benken
Dr. Hans-Ulrich Gremlich, Winterthur

Interpretationstraining für IR-Spektren [SP-10a]

10.11.2017, 9–17h; Biel-Benken

Hans-Jörg Grether, Portmann Instruments AG

La Spectrométrie de Masse : les Fondamentaux et les Applications NOUVEAU [SP-13F]

06.10.2017, 9–17h; Genève

Prof. Gérard Hopfgartner, Université de Genève

Hochauflösende Massenspektrometrie zur qualitativen Analyse [LS-4]

20.10.2017, 9–17h; Eawag Dübendorf

Prof. Gérard Hopfgartner, Universität Genf

Grundlagen in der Interpretation von NMR-Spektren [SP-12a]

23.10.2017, 08.30–17h; Basel

Raimund Brauner, Novartis Pharma AG, Basel

NMR-Spektroskopie: Umfassende Interpretation ein- und mehrdimensionaler H-1- und C-13-Spektren [SP-12b]

24.–25.10.2017, 08.30–17h; Basel;

Raimund Brauner, Novartis Pharma AG, Basel

Training on NMR Interpretation Strategies NEW [SP-12E]

26.10.2017, 08.30–17h; Genève;

Raimund Brauner, Novartis Pharma AG, Basel

Fallgruben bei der Interpretation von NMR-Spektren NEU [SP-11]

15.11.2017, 9–17h; Dübendorf

Prof. Ernö Pretsch, ETH Zürich

Pitfalls in NMR spectra interpretation NEW [SP-11E]

27.10.2017, 9–17h; Genève

Prof. Ernö Pretsch, ETH Zürich

Analytische Anwendungen**Elektrochemische Titrationsmethoden: Einführung in die Praxis [AA-1]**

02.10.2017, 9–17h; Zofingen

Silvan Tschanz, Metrohm Schweiz AG, Zofingen

Karl Fischer Titration [AA-2]

09.10.2017, 9–17h; Zofingen

Silvan Tschanz, Metrohm Schweiz AG, Zofingen

Grundlagen der Festphasenextraktion (SPE) [AA-8]

05.09.2017, 9–17h; Eawag Dübendorf

Dr. Ute Beyer, Restek GmbH, Bad Homburg, Deutschland

Dr. Daniel Meier, Büchi Labortechnik AG, Flawil

Applications of the 2nd-Generation Quartz Crystal Microbalance (QCM) NEW [AA-7E]

22.09.2017, 9–17h; Genève

Prof. Diethelm Johannesmann, Clausthal-Zellerfeld, Deutschland

Kjeldahl, Dumas und NIR – Grundlagen und Anwendungen der Proteinbestimmung [AA-9]

09.11.2017, 9–16.30h; Flawil

Dr. Daniel Meier, BÜCHI Labortechnik AG, Flawil

Charakterisierung von Beschichtungen: Analytik und Schichtdickenmessung [AA-10]

19.10.2017, 9–17h; Eawag Dübendorf

Dr. Daniel Sutter, Helmut Fischer Technologie AG, Hünenberg

Methoden der Life Sciences**Einführung in die Oberflächenplasmonenresonanz, [LS-1]**

14.09.2017, 9–17h; Dübendorf

Prof. Holger Schönherr, Universität Siegen, D

Surface Plasmon Resonance (SPR) [LS-1E]

15.09.2017, 9–17h; Genève

Prof. Holger Schönherr, Universität Siegen, D

(Real-time) PCR-Analytik mit Anwendungsbeispielen aus der Lebensmittelanalytik [LS-2]

17.11.2017, 9–17h; Eawag Dübendorf

Dr. Peter Brodmann, Kant. Basel-Stadt, Basel, Albert Eugster, Amt für Verbraucherschutz des Kantons Aargau, Aarau

Isolation and Purification of Proteins NEW [LS-3E]

14.–15.11.2017, 9–17h; Olten

Dr. Roland Looser

Qualitätssicherung und Informationsbeschaffung**Statistische Auswertung von Messwerten zur Qualitätssicherung [QS-3]**

06.–08.11.2017, 9–17h; Olten

Dr. Roland Looser

Statistical Analysis of Measurement Values NEW [QS-3E]

16.–18.10.2017, 9–17h; Olten

Dr. Roland Looser

Messunsicherheit in der Analytischen Chemie [QS-5]

14.09.2017, 9–17h; Eawag Dübendorf

Dr. Matthias Rösslein, Empa, St. Gallen

Gute Laborpraxis – Regulatorische Bestimmungen und Umsetzung im analytischen Labor [QS-11]

26.10.2017, 9–17h; Eawag Dübendorf

Frau Sandra van Thiel, Dr. Nadine Mendl, Synlab pharma institute AG, Birsfelden

GMP compliant test methods for the QC lab NEW [QS-13E]

19.–20.10.2017, 9–17h; Olten

Dr. Ralph Nussbaum, Dr. Jochen Kirschbaum, Zentrum für Biomedizintechnik, Aachen, Deutschland

Qualitätsmanagement im Labor – Die ISO 17025 effizient umsetzen [QS-6]

03.10.2017, 9–17h; Eawag Dübendorf

Stefan Guggisberg, EOQ Quality System Manager, Ostermündingen

Quality by Design in the Analytical Laboratory [QS-12]

26.10.2017, 9–17h; Olten

Dr. Fritz Erni, QbD consultant, Dornach

Qualifizieren von Analysegeräten [QS-7]

10.11.2017, 9–17h; Eawag Dübendorf

Dr. Ernst Halder, Lonza AG, Visp

Validation of Analytical Procedures – Basics [QS-8E] – NEW

29.08.2017, 9–17h; DAS-Kurse Olten (Angestellte Schweiz), Olten

Prof. Jürgen Stohner, ZHAW Wädenswil

Validieren von Analyseverfahren II, Praktische Beispiele [QS-9]

25.08.2017, 9–17h; Eawag Dübendorf

Dr. Ernst Halder, Lonza AG, Visp

Validation of Analytical Methods II – Practical Examples [QS-9E] – NEW

29.09.2017, 9–17h; DAS-Kurse Olten (Angestellte Schweiz), Olten

Dr. Ernst Halder, Lonza AG, Visp

Validieren von IT-Systemen [QS-15]

24.11.2017, 9–17h; Eawag Dübendorf

Dr. Ernst Halder, Lonza AG, Visp

Effiziente Führung kleiner Gruppen [QS-16]

19.–20.09.2017, 9–17h; Olten

Dominik Studer

Einkauf für Nichteinkäufer – NEU [QS-17]

30.11.–01.12.17, 9–17h; Olten

François Vogel, FHNW, Muttenz

Contact

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