

SCS Seminar on Flow Chemistry 2024

The SCS Seminars are three-days education seminars that focus on topics that are relevant for the Swiss chemical and pharmaceutical industry but are not enough considered during the academic education at universities.

The seminar will focus on relevant issues of flow chemistry such as

- Batch to flow
- Flow reaction optimization
- Safety issues
- Scaling up
- Reactors and reactor design

Target audience

The event targets PhD students, Postdocs as well as junior scientists from industry and will be led by senior scientists and designated experts from academia and industry.

Active participation is key for all attendees. A good mix between

- theoretical lectures,
- reports of concrete projects from industry,
- interactive workshops/panel discussions and
- short presentations by participants

will guarantee a maximum of impact. Each participant brings along a specific challenge out of his daily lab work and will presents poster of his/her current work.

Registration

Please register on flowsem24.scg.ch

Deadline for registration is April 30, 2024

Registration Fees	SCS Member	Non-Member
Students/Postdoc	CHF 400	CHF 550
Senior Participant	CHF 550	CHF 650
Single room accommodation	+CHF 50.00	+CHF 50.00

The registration fee covers accommodation (full board), plus seminar charges. The number of participants is limited to 34.

Location

Fribourg, Le Domaine Notre-Dame de la Route
Ch. des Eaux-Vives 17, 1752 Villars-sur-Glâne
www.domaine-ndr.ch

flowsem24.scg.ch

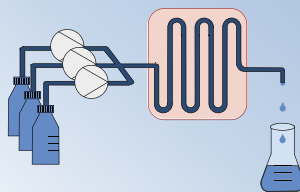
Swiss Flow Chemistry Network

SCS Seminar on Flow and Process Chemistry 2024

June 13-14, 2024

Fribourg, Villars-sur-Glâne

Le Domaine Notre-Dame de la Route



Swiss Chemical Society
Haus der Akademien
Laupenstrasse 7
3008 Bern
info@scg.ch
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SCS
Swiss Chemical
Society
Flow Chemistry

Program Thursday, 13. June 2024

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- 10.00 Welcome and Opening of the Symposium
Dr. Claudio Battilocchio, Chair Swiss FlowChem
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- 10.30 Flow chemistry use case I
Dr. Dominique M. Roberge, Lonza AG
«How to select a proper continuous-flow reactor for organic synthesis?»
- 11.20 Flow chemistry use case II
Prof. Gianvito Vilé, Politecnico di Milano
«Our Journey in the Use of Continuous Flow Methods for Sustainable Chemical Synthesis»
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- 12.15 Lunch Break
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- 13.30 Workshop 1: Grignard Reaction - from Batch to Flow
Dr. Marc-André Müller, Solvias AG
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- 14.30 Break
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- 14.45 Supplier Talks: New Tools and Approaches from our Partners:
Henry Rosier, Hitec Zang,
«Self-Optimizing Process Control for the synthesis of fluorescent carbon quantum dots»
Harald Todt, Magritek
«Coupling of a benchtop NMR spectrometer to a flow reactor for a fast optimization of hydrogenation reactions»
Bruker
-
- 16.00 Visit HEIA-FR/ChemTech (pilot plant & flow lab)
Host *Prof. Roger Marti*, HEIA-FR
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- 18.30 Poster Session & Aperitif, Supplier Booths
- 20.00 Symposium Dinner
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Organization Committee

- Dr. Marc-André Müller, Solvias AG
- Prof. Roger Marti, HEIA-FR
- Dr. Claudio Battilocchio, Syngenta Crop Protection

Conference Secretariat

Swiss Chemical Society
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flowsem24.scg.ch

Program Friday, 14. June 2024

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- 08.00 New Trends in FlowChem: Mechanochem
Dr. Duncan L. Browne, University College London
«Reactive Extrusion: A Continuous Technique Where Solids are not the Arch-Nemesis»
- 08.50 New Trends in FlowChem II: Flow Application in MedChem
Prof. Antimo Gioiello, Università degli Studi di Perugia
«Flow-enhanced medicinal chemistry: Opportunities for accelerating drug discovery and development»
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- 09.45 Coffee Break
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- 10.15 Workshop 2: Application of PAT in Flow Chemistry
Prof. Roger Marti, HEIA-FR, *Dr. Claudio Battilocchio*, Syngenta and all lecturers
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- 12.15 Lunch Break
-
- 13.30 Industry Lecture on Sustainability
Dr. Benjamin Martin, Novartis Pharma AG
«Sustainable Pharmaceutical Process R&D Enabled by Continuous Manufacturing»
- 14.30 Flow Chemistry & Automation – Scaling up processes
Dr. Jean-Philippe Krieger, Syngenta Crop Protection
«Leveraging Automation and associated Workflows for Accelerated Process Development»
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- 15.30 Closure and conclusion
Prof. Timothy Noël, University of Amsterdam,
President Flow Chemistry Society
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- 16.00 End of the seminar
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Sponsors and Partners

