

AGENDA

- 7:15 – 7:45 Registration and welcome coffee
- 8:00 – 10:00 Presentations I
- Continuous flow reactors for industrial production (I)
- Plate Reactor for flow chemistry in multi-purpose plants
Barry Johnson (Alfa Laval)
- Economical Impact of microreactor technology
Dominique Roberge (Lonza)
- Continuous processes in small-scaled reactors under cGMP conditions
Bernt Schober (DSM)
- Industrial application of micro- and macrostructured devices in small scale synthesis
Gregor Wille (Sigma Aldrich)
- Corning advanced flow reactor: one modular tool from feasibility to industrial production
Sergio Pissavini (Corning)
- 10:00 – 10:30 Coffee break and networking
- 10:30 – 11:30 Panel discussion I
- Future applications beyond reactions for continuous processing
- Moderator: Rob Bryant (Development Chemicals Ltd)*
Participants: speakers of presentations I and II
- 11:30 – 12:30 Presentations II
- Continuous flow reactors for industrial production (II)
- Development and scale up of a diastereoselective ritter reaction: from a semi-batch to a continuous flow process
Jonathan Madec (PCAS)
- Small scale continuous manufacture
Frans Muller (AstraZeneca)
- Microchemical systems for continuous-flow synthesis
Ryan Hartman (Massachusetts Institute of Technology)
- 13:00 – 14:00 Lunch

14:00 – 15:00 Presentations III

Best practices for continuous flow reactors

Continuous flow reactors and the whole process design

Steve Donegan (Centre of Process Innovation)

Intensified continuous API and intermediate synthesis:

from potential evaluation to production scale realization

Dirk Kirschneck (Microinnova)

Batch to continuous: still a challenge in the fine pharma sector

Christophe Gourdon (MEPI)

15:00 – 16:30 Panel discussion II

Practical experiences from the industry

Flow reactor technology versus traditional batch technology: a capex comparison

Sergio Pissavini (Corning)

MRT in a custom manufacturing organisation, set up and examples

Hans-Rudolf Marti (Siegfried)

MEPI, an innovative facility for piloting and industrial demonstration of green process engineering

Laurent Pichon (SNPE Matériaux Energétiques)

Catalytic slurry hydrogenation with continuous flow reactor technology

Bertrand Buisson (Sanofi - Aventis)

Fine chemical synthesis in continuous flow reactors

Paul Watts (Chemtrix)

Moderator: Rob Bryant (Development Chemicals Ltd)

16:30 – 16:45 Coffee break and networking

16:45 – 18:00 Presentations IV

Pumps, control systems and on-line analysis

Check that pulse

Harry Morikawa (Fuji Techno Industries Corporation)

Process intensification, how to implement continuous flow reactor technology at pilot and small scale production

Herman Bottenberg (Zeton BV)

Benefits of on-line sensors for advanced flow reactor analysis, optimization and control

Brian J. Marquardt (University of Washington)

18:30 – 19:30 Farewell Cocktail