

Day 1 – TUESDAY NOVEMBER 14th

8:30 - 9:00: REGISTRATION

9:00 - 9:10: WELCOME

Gayle De Maria (TKS Publisher); Jean-Marie Bassett (Chem4Chem)

9:10 - 10:00: KEYNOTE LECTURE

Machine-Chemist Partnerships: Automating Flow
Tyler McQuade (Defense Advanced Research Projects Agency)

10:00 - 10:30: DEMO

Biphasic Reaction Scale-up with Automated Collection and Inline Analysis
Ryan Skilton (Vapourtec)

10:30 - 11:00: COFFEE - POSTERS & EXHIBITION

11:00 - 11:30: SESSION LECTURE

On Demand Preparation of Organometallic Reagents by Metal Insertion Reactions in Flow: Accessing New Chemical Space for Drug Discovery
Jesus Alcazar (Janssen-Cilag, S.A.)

11:30 - 12:00: DEMO

Lithiation reaction in a Modular MicroReaction System
Rafael Kuwertz (Erfheld)

12:00 - 12:30: COMMERCIAL PRESENTATION

Continuous Manufacturing – More than exothermic reactions in small scale reactors
Walter Linhart (Microinnova)

12:30 - 14:00: LUNCH - POSTERS & EXHIBITION

14:00 - 14:30: SESSION LECTURE

Continuous Process Development, a New Work Flow Supported by Process Simulation
Flavien Susanne (GSK)

14:30 - 15:00: DEMO

Wittig reaction under biphasic condition with AFR Lab Reactor
Guillaume Gauron (Corning)

15:00 - 15:30: SESSION LECTURE

Flow chemistry delivers: fast scale up of challenging chemistry
Peter Hermesen (Innosyn BV)

15:30 - 16:00: COFFEE - POSTERS & EXHIBITION

16:00 - 16:30: COMMERCIAL PRESENTATION

The Benefits of Using Flow for Multiphase Reactions
Christof Aellig (Lonza)

16:30 - 17:00: SESSION LECTURE

Synthesis of X-ray contrast agents – continuous processing
Arne Askildsen (GE Health)

17:00 - 17:35: ACADEMIA CORNER

Production optimization and scale-up of smart materials using continuous flow reactors
Pierre-Baptiste Flandrin (University of Bath)

Continuous Synthesis meets Purification: Handling Particles in Continuous Flow
Heidrun Gruber-Wölfler (University of Graz)

On-Demand On-Site Continuous Processing – The Concept of “Chemical Generators” in Modern Pharmaceutical and Fine Chemical Manufacturing
Bernhard Gutmann (University of Graz)

17:35 - 17:45: CLOSING REMARKS

Jean-Marie Bassett (Chem4Chem)

Day 2 – WEDNESDAY NOVEMBER 15th

8:30 - 8:40: WELCOME

Jean-Marie Bassett (Chem4Chem)

8:40 - 9:10: SESSION LECTURE

Flow Chemistry - From Concept to Implementation
Charlotte Wiles (Chemtrix)

9:10 - 9:40: DEMO

Scalable, continuous multistage extraction made easy
Andrea Adamo (Zaiput)

9:40 - 10:10: SESSION LECTURE

Continuous flow hydrogenations using novel catalytic static mixers inside a tubular reactor
John Tsanaktsidis (CSIRO)

10:10 - 10:40: SESSION LECTURE

Hydrogenation in Flow
Viktor Gyollai (AM Technology)

10:40 - 11:10: COFFEE - POSTERS & EXHIBITION

11:10 - 11:40: COMMERCIAL PRESENTATION

The Benefits of Using SpinPro for Multiphase Reactions
Wouter Stam (Flowid)

11:40 - 12:10: SESSION LECTURE

Bromination reaction at pilot scale using flow technology
Wim Dermaut (AGFA)

12:10 - 12:40: COMMERCIAL PRESENTATION

Move into Industrial Production with Corning® Advanced-Flow™ Reactors
Bertrand Gallet (Corning)

12:40 - 14:00: LUNCH - POSTERS & EXHIBITION

14:00 - 14:30: COMMERCIAL PRESENTATION

Continuous Flow Processing: the factory of tomorrow
Massimo Bertoldi (La Mesta)

14:30 - 15:00: SESSION LECTURE

Linking the manufacture of pharmaceutical ingredients to their work-up and formulation
Peter Poechlauer (Patheon)

15:00 - 15:30: DEMO

Ypso-Proxima®, fast and serious process evaluation software
Marc-Olivier Simon (Ypso-Facto)

15:30 - 16:00: COFFEE - POSTERS & EXHIBITION

16:00 - 16:30: COMMERCIAL PRESENTATION

Large Capacity Micro Channel Reactor (SMCR®) and the Industrial Applications
Akira Matsuoka (KOBELCO STEEL, LTD.)

16:30 - 17:00: DEMO

Customized continuous flow chemistry 'pilot-plant' with 3D printed metal reactors and static mixers
André de Vries (Innosyn)

17:00 - 17:10: CLOSING REMARKS

Jean-Marie Bassett (Chem4Chem)

19:00 - 23:00: COCKTAIL & SOCIAL EVENT

Day 3 - THURSDAY NOVEMBER 16th

9:00 - 9:10: WELCOME

Jean-Marie Bassett (Chem4Chem)

9:10 - 9:40: ECONOMICS LECTURE

Techno-Economic Decision Making Tools for Batch to Continuous Evaluation

Gareth Jenkins (Britest)

9:40 - 10:10: SESSION LECTURE

Process Development in Flow Chemistry using Kinetic Modeling

Rudi Oliveira (Hovione)

10:10 - 10:40: COMMERCIAL PRESENTATION

The Design and Operation of a Continuous Cooling Crystallizer –

Bashir Harji (Cambridge Reactor Design Ltd)

10:40 - 11:10: COFFEE - POSTERS & EXHIBITION

11:10 - 11:40: SESSION LECTURE

Small is the new Big: Millireactor in Multi-Ton Production Application

Anne Kaaden (Ehrfeld)

11:40 - 12:10: SESSION LECTURE

Adapting process engineering to (bio)chemists for the development of smarter processes

Roger-Marc Nicoud (Ypso-Facto)

12:10 - 12:40: SESSION LECTURE

One step continuous flow synthesis of a WHO essential Medicine using fluorine gas

Alain Rabion (Sanofi)

12:40 - 14:00: LUNCH - POSTERS & EXHIBITION

14:00 - 15:45: PANEL DISCUSSION

Demos and Industrial Posters Review

C. Oliver Kappe (University of Graz)

15:45 - 16:00: FINAL DISCUSSION & SYMPOSIUM

CONCLUSIONS

Jean-Marie Bassett (Chem4Chem)