



## Educational workshops and seminars in Germany for lab scale chemists.

**YMC Europe GmbH**  
Schöttmannshof 19, D-46539  
Dinslaken, Germany

**Syrris Ltd**  
27 Jarman Way, Royston,  
Hertfordshire, SG8 5HW, UK

### Flow Chemistry Workshop

(21st - 22nd May 2012)

The Flow Chemistry Workshop will cover theoretical and practical aspects of how flow chemistry can be used to provide faster, safer and cleaner reactions. Specialist application training on how to adapt established batch chemistry processes to suit a more efficient flow chemistry format will be provided.

- Learn how to perform reactions not possible by traditional techniques
- Discover how to have faster, safer and cleaner reactions
  - Introduction to Flow Chemistry
  - Flow Chemistry Workshop including practical advice and experiments on the latest flow chemistry systems
    - Including reactions being run on the latest Asia system
  - Training on applying reactions from Batch to Flow Chemistry
  - Flow Chemistry application examples



### Automated Process Chemistry Workshop

(24th - 25th May 2012)

Find out first hand how to calculate the power and enthalpy of chemical reactions, generate real time kinetic data and understand the safety implications when scaling up. Learn how to have greater control of particle size distribution, sample purity and polymorph.



- Reaction Calorimetry
  - Introduction to Calorimetry
  - Calorimetry techniques used in industry
  - Calorimetry workshop practical session using Atlas Calorimeter
  - Calorimetry data analysis
- Crystallization and Sonocrystallization
  - Overview of crystallization techniques
  - Classic crystallization techniques in the laboratory
    - Practical examples using Atlas Turbidity System
  - Introduction to Sonocrystallization
  - Sonocrystallization workshop including anti-solvent and classic cooling