

# New Technologies for Scale Up - cleaner, faster, cheaper

Wednesday afternoon 23 June

This symposium has been designed to update chemists and outsourcing professionals about recent advances in technologies which allow the design and implementation of efficient and effective manufacturing processes. These technologies include advances in asymmetric catalysis, new approaches to chiral resolutions and the latest immobilised catalysts.

12.00 - 13.00	Registration
<b>Session 1</b>	Chairman: Rick Dyer, Ultrafine
13.00 - 13.40	Process Requirements for the Development of Asymmetric Hydrogenation Reactions from the Bench to Kilogram Scale <i>Ian Lennon, Dow</i>
13.40 - 14.20	Use of (Second Generation) Dutch Resolution for Large Scale Production of Enantiopure Compounds <i>Jose W Nieuwenhuijzen, Syncom</i>
14.20 - 15.00	Polyurea Microencapsulated Catalysts <i>David Pears, Avecia</i>
15.00 - 15.30	Refreshments
<b>Session 2</b>	Chairman: Rick Dyer, Ultrafine
15.30 - 16.10	Crystallisation Control Using Power Ultrasound - Process Development and Scale-up <i>Graham Ruecroft, Accentus_plc</i>
16.10 - 16.50	Practical Aspects in Process Scale HPLC <i>Don Wellings, Avecia</i>
16.50 - 17.30	Title to be announced <i>Chris Mason, CEM Microwave Technology Ltd</i>
17.30	End

# Scale Up - The Challenges - issues, experiences, solutions

Thursday morning 24 June

Throughout the industry individual organisations have amassed differing experiences in scaling up to production. This symposium brings key individuals from these organisations together into a focus with the objective of generating a collective knowledge that will be of benefit to scale up chemists and outsourcing professionals. This symposium includes speakers who will discuss topics such as effective technology transfer, plant design and 'tricks of the trade'.

08.30 - 09.00	Registration
<b>Session 1</b>	Chairman: Paul McCarthy, Exchem Organics
09.00 - 09.30	'SEQUENCE - The Steps to Successful Scale-up <i>Ian Trelfa, Great Lakes Fine Chemicals</i>
09.30 - 10.00	[Chemical] Tales of the Unexpected! <i>Stewart Mitchell, Rhodia Pharma Solutions</i>
10.00 - 10.30	The Technical Transfer Process - A Transfer of Technology and Knowledge <i>Kenny Wilson, Abbott Laboratories</i>
10.30 - 11.00	Refreshments
<b>Session 2</b>	Chairman: Paul McCarthy, Exchem Organics
11.00 - 11.30	Design of a Full Scale Plant for a Reaction Operating under Heat Transfer Limitation <i>Alan Hall, Frans Muller and Colin Brennan, Syngenta</i>
11.30 - 12.00	Better Concepts Create Win-Win in Toll Manufacturing <i>Bruno Reyntjens, Proviron</i>
12.00	End