

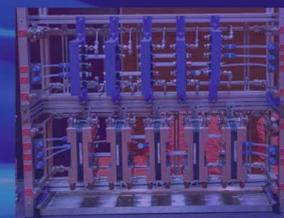
Flow Chemistry Masterclass

2 Day Physical Training & Workshop

Flow Reactor Technology in Lab & Industrial Scale Synthesis

1. January 20-21, 2023, Hyderabad

2. January 23-24, 2023, Ahmedabad



Flow Technology Masterclass by Prof Thomas Wirth

20 Jan 2023 - 21 Jan 2023

CONFERENCE PROGRAMME

Friday, 20th January 2023

09:10	Enabling Technologies – An overview, Batch and Flow reactions Thomas Wirth , Professor of Organic Chemistry , Cardiff University , United Kingdom Basics of Batch and Flow Reactions, Properties and Mass and Heat Transfer
10:40	Coffee Break
11:00	Mixing aspects in Flow Reactors Thomas Wirth , Professor of Organic Chemistry , Cardiff University , United Kingdom Mixing in Flow Reactors
12:00	Safe synthesis in Flow Reactors, Hazardous Compounds, and Reactive Intermediates Thomas Wirth , Professor of Organic Chemistry , Cardiff University , United Kingdom
13:00	Lunch Break
13:40	Advanced Flow Chemistry - Photochemistry, Electrochemistry, Mechanochemistry Thomas Wirth , Professor of Organic Chemistry , Cardiff University , United Kingdom
15:10	Coffee Break
15:30	Flow Reactors Live Setup, Accessories & their Explanation Chandrakant K Sethia , Manager Sales – Advanced-Flow Reactors (AFR) , Corning , India Demo on Corning G1 Hybrid reactor Corning will be displaying Corning Advanced-Flow™ G1 Hybrid reactor(5 Glass + 5 SiC) The Demo will include a system setup with the required pumps and auxiliaries Liquid-liquid flow. Physical Difference between the flow pattern in a tubular reactor and a Corning AFR Handling of different liquids
17:00	End of First Day of the Training Course

Saturday, 21st January 2023

09:10	<p>Optimization techniques (Design of Experiment, DoE), Modern Analysis and Integration in Automated Synthesis Thomas Wirth , Professor of Organic Chemistry , Cardiff University , United Kingdom</p> <p>Optimization techniques (Design of Experiment, DoE), Modern Analysis and Integration in Automated Synthesis</p>
10:40	<p>Coffee Break</p>
11:00	<p>Application of Enabling technologies: Synthesis of APIs™ s (Advanced Pharmaceutical Intermediates) Thomas Wirth , Professor of Organic Chemistry , Cardiff University , United Kingdom</p> <p>Flow reactors in Continuous Pharmaceutical Manufacturing</p>
12:30	<p>Lunch Break</p>
13:10	<p>Industrial Applications of Enabling Technologies Thomas Wirth , Professor of Organic Chemistry , Cardiff University , United Kingdom</p> <p>Upscaling, Production on scale</p>
14:40	<p>Scaling-up in Flow</p>
15:40	<p>Coffee Break</p>
16:00	<p>Live Demonstration of Flow Reactors Shekhar M Gaikwad , Lead Application Engineer , Corning Advanced Flow Reactor Technology , India</p> <p>Corning will be displaying Corning LAB Photo during the demo The Demo will include a system setup with the required pumps and auxiliaries Explaining the importance of a fully integrated system Liquid-liquid flow Display of different wavelengths of light in LAB photo reactor (365 nm, 385 nm, 405 nm, 470 nm, 610 nm, 4000K)</p>
17:00	<p>Closing Remarks and End of the meeting</p>