

Advanced Simulation to Solve and Optimize Process Development Problems

Date: 7 February 2017

Time: 9am - 4pm

Registration: Free to attend event

Register directly via following link only: <http://www2.cd-adapco.com/I/14592/2016-12-12/6zlsdf>

Venue: Science and Technology Facilities Council

Daresbury Laboratory

Keckwick Ln

Daresbury, Warrington, WA4 4AD

Presented by **Siemens PLM**

A common challenge in process industries - that comprise of food, pharmaceutical, materials, and biotech industries - is to bring new products to market in a timely and cost-effective manner. Mixing is one of the most important unit operations in the production. Poor mixing can cause huge financial losses.

Please join us for a complimentary workshop

Computational fluid dynamics (CFD) and particle modelling with discrete element method (DEM) have been identified as key enabling technologies in finding solutions to many of the challenges that surround scale-up, capable of reducing operating costs across manufacturing and quality divisions.

Topics that will be covered during this event include:

- Fluid flow and hydrodynamic behaviour in stirred vessels
- Dispersing gas and solids in liquids
- Behaviour of high viscosity fluids
- Fluid-structure interactions in mixing vessels, etc.
- Optimization of process equipment

Who should attend?

If you are an engineer or a manager who wants to optimize current processes in ways never possible before, this event will help you understand the applicability of deploying simulation to achieve these objectives. If you are already using CFD in your engineering work flow, this session will demonstrate that it is not a single-point simulation, but rather the ability to rapidly and intelligently explore host designs and processes that bring the most value from simulation.

There is no cost for this event, but registration is necessary as spaces are limited. Please visit our event page for further details and to sign up for this educational event.

Please register via the hyperlink <http://www2.cd-adapco.com/I/14592/2016-12-12/6zlsdf>

Your registration will be confirmed via an email confirmation once you have registered. Do not register directly via the IMechE website.