



## Joint event of Fluid Mixing Processes and Pharma SIGs

### Mixing and Crystallisation

20 September 2019

Room 309, City and Guilds Building,  
Imperial College London, SW7 2AZ

[Map \(Building 28\) >>>](#)

### Programme *(subject to change)*

- 10:00 **Arrival and coffee**
- 10:30 ***An Overview of Mixing Operations in Pharmaceutical Manufacturing***  
TBC
- 10:55 ***Computational investigation into the effects of fluid dynamics on the performance of continuously operated oscillatory baffled crystallizers.***  
Kimuli et al (BHR Group and Loughborough University)
- 11:20 ***Validation of Lattice-Boltzmann CFD towards Pharmaceutical Process Optimization***  
I. Staufert Carvalho et al. (University of Birmingham)
- 11:45 ***Coupling Direct Numerical Simulation with population balance modelling for predicting turbulent particle precipitation in a T-mixer***  
Hin Yan Tang et al (Imperial College London)
- 12:10 **Lunch**
- 13:40 ***What is the fuss about continuous crystallisation?***  
Xiongwei Ni (NiTech Solutions Ltd)
- 14:05 ***A Systems-based Approach to Digital Design and Operation for Crystallisation***  
Robert H. Peeling and Charles M. Gordon (Britest Limited)

- 14:30 ***Bio-Pharmaceuticals-Fluid Mixing Technology Transfer – A Case Study***  
Keith Plumb (Integral Pharma Services Ltd)
- 14:55 ***Coffee/Tea break***
- 15:25 ***Experimental investigation of deposits formation in petroleum production through liquid-liquid mixing***  
Sophie Campen and Janet Wong (Imperial College London)
- 15:50 ***Selecting Single-Use Mixing Technology***  
Gary McRobbie (BPE Design & Support)
- 16:15 ***Comparing a Fundamix Vibromixer and rotational impeller efficiency and effectiveness***  
Sailesh Patel (Carl Stuart Group)

Poster presentation

***The Detailed Design of Biopharmaceutical Manufacturing Vessels***  
Keith Plumb, Integral Pharma Services Ltd