

Joint event of Mixing and Pharma IChemE SIGS

Mixing and Crystallisation

20 September 2019

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

[Map >>>](#)

Programme *(subject to change)*

- 10:00 **Arrival and coffee**
- 10:30 ***An Overview of Mixing Operations in Pharmaceutical Manufacturing***
J. Aitkin (BPE Design & Support)
- 10:55 ***Crystallisation and Precipitation in Stirred Reactors; Points to Consider***
A. W Nienow (University of Birmingham)
- 11:20 ***Computational investigation into the effects of fluid dynamics on the performance of continuously operated oscillatory baffled crystallizers.***
E.N. Kimuli, B. Benyahia and C.D. Rielly (BHR Group and Loughborough University)
- 11:45 ***Coupling Direct Numerical Simulation with population balance modelling for predicting turbulent particle precipitation in a T-mixer***
H.Y. Tang, G. Papadakis and S. Rigopoulos (Imperial College London)
- 12:10 **Lunch**

- 13:30 ***Validation of Lattice-Boltzmann CFD towards Pharmaceutical Process Optimization***
I. Staufert Carvalho, F. Alberini, A.W. Nienow, F. Chiti, W.Eagles and J. Thomas
(University of Birmingham)
- 13:55 ***What is the fuss about continuous crystallisation?***
X. Ni (NiTech Solutions Ltd)
- 14:20 ***A Systems-based Approach to Digital Design and Operation for Crystallisation***
R.H. Peeling and C.M. Gordon (Bristest Limited)
- 14:45 ***Bio-Pharmaceuticals-Fluid Mixing Technology Transfer – A Case Study***
K. Plumb (Integral Pharma Services Ltd)
- 15:10 ***Coffee/Tea break***
- 15:30 ***Experimental investigation of deposits formation in petroleum production through liquid-liquid mixing***
S. Campen and J. Wong (Imperial College London)
- 15:55 ***Selecting Single-Use Mixing Technology***
G. McRobbie (BPE Design & Support)
- 16:20 ***Comparing a Fundamix Vibromixer and rotational impeller efficiency and effectiveness***
S. Patel (Carl Stuart Group)

Poster presentation

The Detailed Design of Biopharmaceutical Manufacturing Vessels
K. Plumb (Integral Pharma Services Ltd)