

Improving Our World by Advancing the Application of Chemistry at Scale

The chemical sciences are vital for the wellbeing of our world. The know-how to efficiently and safely perform chemistry at industrial scale is a critical element – this is the focus of this interest group.

UPDATES ON PCTG'S ACTIVITIES

The PCTG committee has been actively planning various virtual activities in response to the lockdown.

ProcTank

The committee has been developing a repository of information related to process chemistry. This is part of the Group's mission to provide a means to disseminate knowledge and best practice in the field of applied process chemistry.

The repository, codenamed ProcTank, will contain several types of freely available information, such as:

- Freely available white papers, open source journal articles, and otherwise unpublished articles
- Information provided by commercial equipment and service providers, such as brochures, data sheets and user guides
- Conference proceedings
- Infographics
- Freely distributable knowledge provided by experts in the field, such as typical process flow diagrams
- Training information
- A database of experts on specific areas of knowledge, who are willing to be contacted to guide others in the field
- A catalogue of published information, such as closed-source journal articles and databooks, which ProcTank does not have the rights to store in full text form

ProcTank's objective will be to provide a virtual library serving as a focal point for any Group members interested in finding a pathway to knowledge about process chemistry and its applications.

If you would like to help with ProcTank's development, or you have materials and know-how that you are able to share, please [contact us](#) for further details.

RECENT EVENTS AND WEBINARS

Learnings from Developing a Multistage Flow API Process, a Chemists Perspective

22nd Jun, 2020

The webinar by Mark Hughes (ex GSK) presented the “obvious in hindsight” challenges encountered in developing multistage continuous processes from the perspective of an organic chemist whilst highlighting some of the benefits and engineering solutions. [Slides can be found here.](#)

Webinar on Process Safety

21st Apr, 2020

The webinar by Rob Peeling of [Britest](#) provided an awareness of process safety risks and its mitigation and some of the types of process hazards that can arise.

For more information on these past events, please visit <https://www.procchem.group>.

UPCOMING EVENTS

How to Ensure Quality by Design – A Practical online Workshop

28th, 30th September and 2nd October 2020, 10:00-12:00, Online.

An interactive online workshop offering expert guidance from seasoned professionals Martin Owen (ex-GSK) and Walkiria Schlindwein (DMU). The workshop will be structured as 3 x 2 hour sessions within a single week. **More details are [here](#).**



The number of participants will be limited to 16 to allow 1:1 interaction with the experts.

The full cost is £100. Students may apply for an £80 bursary from the RSCPCTG; contact us [here](#) for details. Registration is open [here](#).

Why you should use kinetic modelling for late-stage development

29 September 2020

by Dan Hallow, Principal Consultant at [Scale-up Systems](#).

Molecules to medicines: informatics approach to pharmaceutical development and manufacturing

27 October 2020

by Andrew Maloney, Research and Applications Scientist at [CCDC](#), Cambridge

Annual symposium on Innovations in process chemistry and technology

Postponed to November 2021.

CPACT webinars

CPACT is offering the following exciting [webinar programme](#) of interest to PCTG members:

- **Metabolic Modelling in Bioprocessing:** How to use genome scale metabolic models to gain process understanding, 3pm (UK time) 10 Sep 2020.
- **Mechanisms for regulatory interaction around continuous manufacturing,** 3pm (UK time), 17 Sep 2020.
- **Strategies towards effective application of loading space standardisation for temperature correction spectra,** 3pm (UK time) 1 Oct 2020.

- **Image analysis: from astrophysics research to healthcare, biological and high value manufacturing applications**, 3pm (UK time) 29 Oct 2020.

For more information on future events, please visit <https://www.procchem.group>.

ABOUT THE PROCESS CHEMISTRY AND TECHNOLOGY GROUP

The vision of this group is to be a place where process chemistry and process technology join together and to bridge the gap, aid innovation and raise awareness of current issues in the field. The PCTG, comprising some 800 members across multiple sectors, is led by an enthusiastic committee of professionals, all of whom are active in this field.

The PCTG, through its membership and networks, are leading the way to challenge the UK industry to think differently about how to approach the world's future process chemistry and technology challenges.

By engaging with the PCTG you can:

- Promote and contribute to the advancement of industrial-scale process chemistry and technology
- Develop your skills and understanding by learning from experts in the field
- Boost your career, raise your profile, and build your network of like-minded chemical scientists from industry and academia

THE COMMITTEE

Chair: Dr Carl Steele *CChem FRSC* (Orano Projects Limited)

Treasurer: Dr Mark Hughes *MRSC* (ex-GSK)

Secretary: Dr Peter Clarke *CChem MRSC* (xSeriCon)

Committee Members:

Dr Mukund Chorghade *CChem FRSC* (THINQ Pharma),

Dr Bethan Coulson *MRSC* (Johnson Matthey Fuel Cells),

Dr Charles Gordon (Scale-up Systems),

Richard Hart *CChem CSci FRSC* (AstraZeneca),

Dr Phil Kay *CChem MRSC* (JMP),

Professor David Littlejohn *FRSC FRSE* (University of Strathclyde),

Dr Andrea Parr *MRSC* (CPI),

Professor Siddharth Patwardhan *CChem FRSC* (University of Sheffield).

Interested in Joining the Committee?

New members are always welcome, to help us drive our exciting programme of activities and projects. The Committee meets 3 times per year in London. On the other 9 months of the year, the Committee meets by teleconference.

Ways to contact PCTG



Website: www.procchem.group Email: rscpctg@gmail.com

