

# CMAC Open Day 2017

## DAY 1 - Thurs 23rd March 2017

Time	Programme
08:45	<i>Registration &amp; Refreshments</i>
09:30	Prof Alastair Florence, CMAC Hub, University of Strathclyde Welcome
09:35	Prof Sir Jim McDonald, Principal, University of Strathclyde
09:45	Prof Alastair Florence, CMAC Hub, University of Strathclyde Overview
09:50	<b>Session Chair: Prof Chick Wilson, CMAC Hub, University of Bath</b> <b>ADVANCES IN CONTINUOUS MANUFACTURING AND CRYSTALLISATION</b>
09:53	Dr Cameron Brown, CMAC Hub, University of Strathclyde "Enabling precision manufacturing of active pharmaceutical ingredients: Workflow for seeded cooling continuous crystallisation"
10:13	Prof Chris Rielly, CMAC Hub, Loughborough University "Continuous Crystallization: Quality-by-Control using Intermittent / Periodic Flow of an MSMPR"
10:23	Dr Tomás Harrington, CMAC Hub, University of Cambridge "The implications of precision manufacturing for sustainable supply network design in Pharma"
10:38	Questions for Phase II Presenters
10:50	Prof Ivan Andonovic, ICT-CMAC, University of Strathclyde "The ICT CMAC Project; Engineering Data for Continuous Manufacture"
11:05	<i>Poster Session and Exhibition Review with Refreshments</i>
11:35	<b>Session Chair: Dr Alison Nordon, CMAC Hub, University of Strathclyde</b> <b>COLLABORATION NETWORKS AND CMAC</b>
11:37	Dr Chris Price, CMAC Hub, University of Strathclyde "i-CON - Developing Connections Beyond the National Centre"
11:58	Dr Andrew Alexander, CMAC, The University of Edinburgh "Laser-induced crystallization in continuous flow"

12:19	Prof Ian Gilmore, NPL "3D imaging of drugs and metabolites in cells and biofilms using the 3D OrbiSIMS"
12:40	Dr Blair Johnston, CMAC Hub, University of Strathclyde "Capturing and Utilising CMAC Data: Update and Future Directions"
13:00-15.00	<i>Poster Session and Exhibition Review with Lunch</i>
15:00	<b>Panel Session Chair: Prof Colin Pulham, CMAC, The University of Edinburgh</b> <i>Session Chair introduces EPSRC Presentation</i>
15:02	Dr Rebecca Williams, EPSRC "Manufacturing the Future"
15:19	<b>Panel Session "Accelerating Impact through Collaborative Research"</b>
<b>Session Chair: Prof Jan Sefcik, CMAC Hub, University of Strathclyde</b> <b>DEVELOPING THE FUTURE LEADERS FOR ADVANCED MANUFACTURING</b>	
16:06	Prof Jan Sefcik, CMAC Hub, University of Strathclyde "Developing the Talent Pipeline"
16:15	Ravi Parekh, CMAC DTC, Loughborough University "Model Predictive Control Application to Continuous Manufacturing Processes"
16:24	Václav Svoboda, CMAC DTC, University of Strathclyde "Collaborating in CMAC"
16:33	Dr René Steendam, CMAC DTC, University of Strathclyde "From Fundamental Science to Applied Processes"
16:42	<i>Alumnus</i> – Dr Kate Wittering, Johnson Matthey <i>"To Industry and Beyond: CMAC's influence on my career"</i>
16:51	Adam Michalchuk, CMAC DTC, The University of Edinburgh "Mechanically-Induced Reactions in Molecular Materials"
17:00	<i>Poster Session and Exhibition Review with Refreshments</i>
<b>Session Chair: Prof Alastair Florence, CMAC Hub, University of Strathclyde</b> <b>DEVELOPING THE FUTURE LEADERS FOR ADVANCED MANUFACTURING</b>	
17:20	<i>Prof Alastair Florence introduces Keynote Speaker</i>
17:22	<b>Keynote Presentation</b> Dr Salvatore Mascia, CONTINUUS Pharmaceuticals Inc "Advances in Continuous Manufacturing of Pharmaceuticals: the Role of Integration and New Technologies"
18:07	Prof Alastair Florence, University of Strathclyde Day 1 Wrap-up

19:15	<b>Drinks Reception</b> St Andrew's in the Square 1 St Andrews Square, Calton, Glasgow G1 5PP
20:00 -22.45	<b>Conference Dinner</b> St Andrew's in the Square 1 St Andrews Square, Calton, Glasgow G1 5PP
00:00	Venue Close

## CMAC Open Day 2017

### DAY 2 - Fri 24th March 2017

Time	Programme
09:00	Poster Session with breakfast rolls
09:30	Craig Johnston, CMAC Introduction
09:40	<b>Session Chair: Craig Johnston, CMAC</b> <b>TRANSLATION RESEARCH AND DELIVERY IMPACT: 1</b>
09:42	Anneke Klapwijk, GSK "Habit Modification and an Unexpected New Form: my Experience on Placement at Bayer"
09:59	Dr Humera Siddique, CMAC, University of Strathclyde "Control of product attributes in continuous crystallisation using model predictive control and process analytical tools"
10:16	Dr Jag Srail, CMAC Hub, University of Cambridge "Reconfiguring Medicines End-to-end Supply ('ReMediES')"
10:33	<b>Keynote Presentation</b> Dr Derek Berglund, Eli Lilly "The Past, Present and Future of Continuous Manufacturing at Eli Lilly"
11:18	<i>Poster Session and Exhibition Review with Refreshments</i>
11.45	<b>Session Chair: Dr Clive Badman, GSK</b> <b>TRANSLATIONAL RESEARCH AND DELIVERY IMPACT: 2</b>
11:45	Paul Hingley, Siemens "Industry 4.0.....IIoT....The Thirst for Data"
12:04	Dr Sean Bermingham, Process Systems Enterprise "Towards the Holistic Design of Robust Drug Products and their Manufacturing Processes"

12:23	Phil Shering, AstraZeneca "CMAC: Engineering the Factory of the Future"
12:40	Dr Thomas McGlone, CMAC, University of Strathclyde "Working with us in the National Facility Research Hub – Resources and Opportunities"
13:00 - 14:30	<i>Poster Session and Exhibition Review with Lunch</i>
14:30	<b>Session Chair: Prof Alastair Florence, CMAC Hub, University of Strathclyde New Research Directions</b>
14:30	Prof Alastair Florence, CMAC Hub, University of Strathclyde NEW PROGRAMME LAUNCH
14:42	Prof Sven Schroeder, CMAC Hub, University of Leeds "Process and Crystallisation Research with Advanced X-ray Methods"
14:56	Prof Jim Litster, CMAC Hub, The University of Sheffield "Design and Processing of Particulate Products - What does Sheffield bring to the CMAC Hub?"
15:10	Prof Amparo Galindo, CMAC Hub, Imperial College London "Predicting the solubility of active pharmaceutical ingredients with the SAFT-g group contribution approach"
15:24 - 16:00	Prof Alastair Florence, CMAC Hub, University of Strathclyde Poster Prize Giving and Closing Remarks