Measurement, Information and Innovation:
Digital Disruption in the Chemical Sciences

Tuesday 20th October 2015, RSC, Burlington House, Piccadilly, London

10.00 Registration and Coffee
10.30 Welcome and Introduction, Dr Helen Cooke, CICAG

Session 1: Data acquisition
Session Chair: Professor Jonathan Goodman, CICAG and Department of Chemistry, University of Cambridge.
10.40 *The purpose, practicalities, pitfalls and policies of managing and sharing data in the UK.* Dr Danny Kingsley, Head of Scholarly Communication, Cambridge University.
11.00 *Allotrope Foundation, how a data standard and taxonomy for analytical data will support data integration and knowledge generation.* Dr Gerhard Noelken, Technology and Innovation Group, Pfizer Pharmaceutical Sciences.
11.20 *Why we should embrace learnings from other industries.* Peter Boogaard, Industrial Lab Automation.
11.40 Discussion

Session 2: Data and Information Management
Session Chair: Dr Helen Cooke, CICAG
12.00 *Automation in analytical laboratories: A teaching perspective.* Professor Krishna Persaud, School of Chemical Engineering and Analytical Science, University of Manchester.
12.20 Lunch
13.15 *HELM (Hierarchical Editing Language for Macromolecules): A Pistoia Alliance project providing a standard for the storage and exchange of macromolecule structural information in the information ecosystem*. John Wise, Executive Director Business Development - Europe, Pistoia Alliance.
13.35 *Ensuring the machine learner gets the right tuition and AI gets its nose; standardisation and benchmarking in diagnostic marker discovery in exhaled breath.* Professor C.L. Paul Thomas, Centre for Analytical Science, Chemistry Department, Loughborough University.
13.55 Discussion

Session 3: Information and Knowledge from Data
Session Chair: Mr John Trigg, AAMG
14.15 *Building the utopian dream – toward the integrated, paperless drug discovery lab.* Dr Allan Jordan, Head of Chemistry, Drug Discovery Unit, Cancer Research UK Manchester Institute.
14.35 *Using machine learning and cloud technologies for point-of-care in vitro diagnostics.* Dr Omer Casher, Chief Data Officer, SIME Diagnostics, Stevenage Bioscience Catalyst.
14.55 Tea/Coffee
15.15 *Enabling creative scientists to focus on science: automation, workflows, dashboards, insight, aha!!!*. Martin Owen, Data to Insight Activist, GlaxoSmithKline.
15.35 Discussion

Session 4: How do we Get There: Meeting Summary and Structured Discussion
Session Chair: Professor Jeremy Frey, Department of Chemistry, University of Southampton.
15.55 *Building the links*. Mr Richard Kidd, Royal Society of Chemistry.
16.05 Discussion
16.30 Meeting Closes