

Chemistry with Confidence: the National Chemical Database Service

Friday, 9 September, 2016, 09:30-16:00
University of Bath, Chancellor's Building, Room CB 5.13

Programme

09:30-10:00 Arrival and coffee

10:00-10:15 Welcome and introductions

10:15-11:15 Introduction to chemistry for the non-chemist: What you need to know to successfully search for chemical and physical property data

- Introduction to chemistry: Some definitions; the periodic table; naming chemical compounds; molecular formulas; structural drawings
- Benefits and drawbacks of using names, formulas and structures for searching

11:15-11:45 Break

11:45-13:00 Searching for chemical and physical property data

- What do we mean by 'chemical and physical property data', and why is it important to chemists?
- Finding data using handbooks and websites: Merck Index, CRC Handbook, NIST
- Finding data using SciFinder
- Finding data using the NCDS: ACD/I-Lab and DETHERM

13:00-14:00 Lunch break

- Complimentary lunch will be provided for all attendees

14:00-15:00 Introduction to spectroscopy

- What is spectroscopy, and why is it important to chemists?
- Finding spectra using free web databases: NIST and AIST
- Finding spectra using the NCDS: ACD/I-Lab

15:00-16:00 Introduction to crystallography

- What is crystallography, and why is it important to chemists?
- Finding crystallographic data using the NCDS: ICSD and CSD