

*The Higher Education Academy UK Physical Sciences Centre and
RSC Tertiary Education Group*

*with generous sponsorship from
RSC Education Division*

Variety in Chemistry Education

Vanbrugh College, University of York
1-2 September 2011

Thursday 1st September

- 10.00 - 10.30 **Registration and coffee (Vanbrugh College)**
- 10.30 - 10.45 Welcome and introduction
Karen Moss, Chair of RSC Tertiary Education Group
- 10.45 - 11.30 Chair: Karen Moss
2010 RSC HE Teaching Award lecture
Perspectives from each side of the transition: Four years as a School Teacher Fellow
David Read, University of Southampton
- Oral presentations**
- 11.30 - 11.45 Chemistry vignettes
Simon Lancaster, University of East Anglia
- 11.45 - 12.00 Virtual experiments in chemistry teaching
Charles Harrison, University of Southampton
- 12.00 - 12.15 Molecular disco jukebox
Nigel Young, University of Hull
- 12.15 - 12.30 Developing an online learning community via synchronous and asynchronous support
Eleanor Crabb, Mike Mortimer and Ruth Williams, The Open University
- 12.30 - 13.30 **Lunch (Vanbrugh College)**
- 13.30 – 15.30 **Choice of parallel Workshops**
What every chemistry graduate ought to know about runaway chemical reactions
Martin Pitt, University of Sheffield
- Green chemistry: Development of an educational board game
Mike Coffey, Nottingham Trent University
- 14.30 – 15.00 **Tea/coffee to be taken during workshops**
- Chair: Paul Taylor
- Oral presentations**
- 15.30 – 15.45 Web-based interactive 3D simulations of stereo- and enantioselective organic reaction mechanisms
Neil Berry and Nick Greeves, University of Liverpool
- 15.45 – 16.00 Introducing the real world: Student group projects incorporating an 'intensive week'
Joe McGinnis, Teesside University

- 16.00 – 16.15 Supporting student learning with pre-lecture e-resources
Michael Seery and Claire McDonnell, Dublin Institute of Technology
- 16.15 – 16.30 ChemPreLab: Chemistry pre-lab tutoring system
Kirsty Barnes, Gita Sedghi, Neil Berry and Nick Greeves, University of Liverpool
- 16.30 – 16.50 **Oral Bytes** (5 minutes each)
Dynamic problem-based learning
Tina Overton, University of Hull
An audience response app
Simon Lancaster, University of East Anglia
Chemistry clips: Multimedia resources for supporting student learning in chemistry
Dylan Williams and Dai Davies, University of Leicester
Designing a practical suitable for first year students: A second year group project
Lee Reilly, University of Liverpool
- 1900 **Wine Reception (Derwent College)**
- 1930 **Conference Dinner (Derwent College)**
- RSC Tertiary Education Group AGM will take place at 17.15.*

Friday 2nd September

- 0900 – 09.45 Chair: Jane Essex
The CERG Lecture
The lecture in chemistry education: Is there need for change?
Ingo Eilks, University of Bremen
- 09.45 – 11.45 **Choice of parallel workshops**
Podcasting in chemistry education
Michael Seery, Dublin Institute of Technology
Participants must bring (or share) a laptop with free Audacity software loaded and a headset microphone
- Enhancement of latent fingerprints on metal surfaces
Katy McKenzie, University of Leicester
- 10.30 – 11.00 **Tea/coffee to be taken during workshops**
- Chair: Claire McDonnell
- Oral presentations**
- 11.45 – 12.00 An investigation into the perceived value of degree skills by chemistry undergraduates
Kyle Galloway, University of Nottingham
- 12.00 – 12.15 Developing independent learning skills through academic enquiry
Elizabeth Page, University of Reading
- 12.15 – 12.30 Integrating research skills training into a part 3 chemistry programme
Matthew Almond, University of Reading
- 12.30 – 13.30 **Lunch (Vanbrugh College)**
- Chair: Nigel Lowe
- Oral presentations**
- 13.00 - 13.15 Science communication and the media
Natalie Rowley and John Wilkie, University of Birmingham
- 13.15 - 13.30 A profile of the cognitive developmental levels of a sample of first year university science students
Lorraine McCormack, University of Plymouth
- 13.30 - 13.45 Argumentation in chemical education: STEAM project perspectives and implications for coordinating theory and practice in tertiary education
Xiaomei Yan, Sibel Erduran, Aybuke Pabuccu, University of Bristol
- 13.45 - 14.00 **Oral Bytes** (5 minutes each)
Assessing group wiki projects using peer assessment
James Gaynor, University of Liverpool
Tweeting inorganic chemistry
Simon Lancaster, University of East Anglia
Standards-based assessment; Creating innovative, interoperable learning resources using QTlv2.1
Dick Bacon, University of Surrey
- 14.00 – 14.45 Chair: Tina Overton
National Teaching Fellowship 2010
Karaoke Chemistry!
Simon Belt, University of Plymouth
- 14.45 - 15.15 Closing remarks, tea/coffee and depart