

# Variety in Chemistry Education 2008

## Programme

### Wednesday 27<sup>th</sup> August

19.30 Informal reception for early arrivals in the Chemistry Seminar Room

### Thursday 28<sup>th</sup> August

10.00 - 10.30 Registration and coffee

10.30 - 10.45 Welcome and introduction  
*Paul Yates, Chair of RSC Tertiary Education Group*

10.45 - 11.30 CERG Lecture  
*Chair: Vanessa Kind, Chair of Chemical Education Research Group*  
Sustainable chemistry education - how can experiences from context-based learning be transferred from school to university education?  
*Ilka Parchmann, University of Oldenburg, Germany*

*Chair: Paul Yates, Keele University*  
Oral Presentations

11.30 - 11.45 Curriculum developments in HE through 'Chemistry for our Future'  
*Pat Bailey, Keele University*

11.45 - 12.00 A tiny adventure – the introduction of pbl to the University of Leicester  
*Dylan Williams, JR Woodward, S Symons, DL Davies, University of Leicester.*

12.00 - 12.15 The shape of chemistry in 2008  
*Paul Martin, Karen Moss, Nottingham Trent University*

12.15 - 12.30 Chemist-2-Chemist: exploring roles for undergraduate chemists at the school-to-university interface  
*Nigel Lowe, University of York*

12.30 - 13.30 Lunch

13.30 - 15.30 Choice of workshops  
Chewing things over in the laboratory  
*Simon Belt, University of Plymouth*

Understanding the undergraduate student learning experience in chemistry  
*Michael Gagan and Tina Overton, HEA Physical Sciences*

15.30 - 16.00 Tea

*Chair: Stuart Bennett, Open University*  
Oral Presentations

16.00 - 16.15 How important is the visualisation of mathematical concepts for

students in their ability to transfer their mathematical knowledge to a chemistry domain where it is applied.

*Richard Hoban, Dublin City University*

16.15 - 16.30

Digital reflection to support development of academic skills

*Natasa Brouwer, University of Amsterdam*

16.30 – 16.45

Development of animated hand-drawn reaction mechanisms

*Steve Christie, Loughborough University*

16.45 - 17.00

Electronic method of students' assessment – the application of asynchronous PRS system

*Pawel Bernard, Pawel Broś, Anna Migdal-Mikuli, Jagiellonian University*

17.00 - 17.15

The Physical Sciences Question Bank – what next?

*Dick Bacon, University of Surrey*

17.15 – 17.30

Making lectures interactive: the use of electronic voting system in undergraduate teaching

*Gan Niyadurupola, University of Reading, David Read, University of Southampton*

19.00 - 19.30

Wine Reception & Conference Dinner

1838 Club, on campus

The RSC Tertiary Education Group AGM will take place during the meeting at 17.45 on Thursday 28th August.

## Friday 29th August

- 09.00.- 9.45 *Chair: Tina Overton, University of Hull*  
The Richard Moyes Lecture  
Educating Tomorrow's Chemists: Eurobachelor and Euromaster.  
*Terry Mitchell, University of Dortmund, Germany*
- 9.45 - 12.00  
Choice of workshops to include coffee  
Origami in Chemistry  
*James Davis, Raymond Leslie and Robert Smith*  
*Nottingham Trent University*
- Advancing Chemistry by Enhancing Learning in the Laboratory  
(ACELL)  
*Justin R Read and Scott H Kable, University of Sydney*
- 12.00 - 13.00  
Lunch
- Chair: Simon Belt, University of Plymouth*  
Oral presentations
- 13.00 – 13.15  
Supporting first year chemistry in the biosciences  
*Paul Hagan, J David Ruddick and Stephen McClean, University of Ulster*
- 13.15 – 13.30  
Assessing competency in the laboratory  
*Mark Baron, University of Lincoln*
- 13.30 – 13.45  
Enhancing undergraduate science laboratories  
*Nancy El-Faragy, University of Glasgow*
- 13.45 - 14.00  
Expectations, approaches to learning and academic achievement – are there correlations for the first year undergraduate chemistry student?  
*James Lovatt and Odilla Finlayson, Dublin City University*
- 14.00 - 14.30  
*Tea*
- Chair Roger Gladwin, University of Liverpool*  
Oral presentations
- 14.30 - 14.45  
Preliminary Findings of Using Enquiry-Based Learning in Chemistry  
*Tim Lucas and Natalie Rowley, University of Birmingham*
- 14.45 – 15.15  
Participation of mobility impaired students in undergraduate chemistry Laboratory Courses  
*Anna Bertram, Alana Collis and Ivan Powis, University of Nottingham*
- 15.15 – 15.30  
Developing teamworking skill through forensic mini-projects  
*Matthew Almond, University of Reading*
- 15.30 – 15.45  
Development of chemistry skills in level 1 forensic science students  
*Jose Gonzalez-Rodriguez, University of Lincoln*
- 15.45 – 16.00  
Student feedback questionnaires – a different slant (or, “ask not what your country can do for you; ask what you can do for your country”)  
*Raymond Wallace, Nottingham Trent University*
- 16.00  
Close