Feedback mechanisms: efficient and effective use of technology or a waste of time and effort?

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# Programme

**STEM Annual Conference 2012**

12 Apr 2012 - 13 Apr 2012  
Imperial College London

**Physical Sciences**

## Day 1: 12th April 2012  
**Location:** Sir Alexander Fleming (SAF) Building (unless otherwise specified)

### Registration
9.00 – 10.15

### Welcome & Intro to Reflection Time
10.15 – 10.45 Room G16

### Parallel Sessions I
**Chair:** Dr Morag Casey  
**Paper Presentation Session**  
Room G16

<table>
<thead>
<tr>
<th>TIME</th>
<th>TITLE</th>
<th>AUTHOR(S)</th>
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<tbody>
<tr>
<td>11.00 - 11.25</td>
<td>Screencasting and a Tablet PC – an indispensable technology combination for physical science teaching and feedback in higher and further education.</td>
<td>Dr Patrick O'Malley</td>
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<tr>
<td>11.25 - 11.50</td>
<td>Using smartpen technology to observe student discussions in physics lectures</td>
<td>Miss Marsali Wallace &amp; Dr Ross Galloway</td>
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<tr>
<td>11.50 - 12.15</td>
<td>Undergraduate students’ narrations of gender and choice – a focus group study</td>
<td>Dr Elaine Regan and Prof Justin Dillon</td>
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<tr>
<td>12.15 - 12.40</td>
<td>The performance gender gap in undergraduate physics</td>
<td>Miss Robyn Donnelly, Dr Cait MacPhee &amp; Prof Simon Bates</td>
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### Lunch
1.00 - 1.50  
Location: SAF Building – Foyer/Outside

### Keynote
1.50 - 2.50  
Wing Commander Andy Green OBE, Bloodhound Programme  
Room G16

### Parallel Sessions II
**Chair:** Dr Ruth Mewis  
**Paper Presentation Session**  
Room G16

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<tbody>
<tr>
<td>3.10 – 3.35</td>
<td>Small group work in large chemistry classes: workshops in first year chemistry</td>
<td>Dr Glenny O’Brien &amp; Dr Simon Bedford</td>
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<tr>
<td>3.35 – 4.00</td>
<td>The inverted classroom in a large enrolment introductory physics course: a case study</td>
<td>Prof Simon Bates &amp; Dr Ross Galloway</td>
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<tr>
<td>4.00 – 4.25</td>
<td>Feedback mechanisms: efficient and effective use of technology or a waste of time and effort?</td>
<td>Dr Rob Allan &amp; Mr Steve Bentley</td>
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<tr>
<td>4.25 - 4.50</td>
<td>A level playing field? Students’ experiences of assessment in STEM disciplines</td>
<td>Ms Alison Kay, Dr Judy Hardy &amp; Prof Simon Bates</td>
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### Conference Reception
6.00 - 8.00

## Day 2: 13th April 2012  
**Location:** Sir Alexander Fleming (SAF) Building (unless otherwise specified)

### Parallel Sessions III
**Chair:** Dr Hazel Wilkins  
**Paper Presentation Session**  
Room G16

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<tbody>
<tr>
<td>9.30 – 9.55</td>
<td>RELITE: Research-Led Innovative Teaching Experiments – Reinventing first year laboratory courses</td>
<td>Dr Jacquie Robson</td>
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<tr>
<td>9.55 – 10.20</td>
<td>Enhancing literature review skills within forensic science undergraduate project work</td>
<td>Dr Craig Adam</td>
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<tr>
<td>10.20 – 10.45</td>
<td>Enhancing research-teaching synergies through a seminar-based module for undergraduates</td>
<td>Dr David Nutt, Dr Christian Pfrang, Dr Matthew Almond &amp; Dr Elizabeth Page</td>
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### Coffee
10.45 – 11.15

### Parallel Sessions IV
**Chair:**  
**Workshop**  
Royal School of Mines, Bessemer Building

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<tr>
<td>11.15-12.55</td>
<td>Geoscience educational e-gaming to provide stimulating &amp; effective learning</td>
<td>Dr Jamie Pringle &amp; Mr Luke Bracegirdle</td>
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### Lunch
1.10 – 2.00

### Panel/Debate Session
2.00 – 3.30 Room G16

### Coffee & Close
3.30