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STEM Annual Conference 2012

12 Apr 2012 - 13 Apr 2012
Imperial College London



Physical Sciences

Programme		
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	
TIME	TITLE	AUTHOR(S)
11.00 - 11.25	Screencasting and a Tablet PC – an indispensable technology combination for physical science teaching and feedback in higher and further education.	Dr Patrick O'Malley
11.25 - 11.50	Using smartpen technology to observe student discussions in physics lectures	Miss Marsali Wallace & Dr Ross Galloway
11.50 - 12.15	Undergraduate students' narrations of gender and choice – a focus group study	Dr Elaine Regan and Prof Justin Dillon
12.15 - 12.40	The performance gender gap in undergraduate physics	Miss Robyn Donnelly, Dr Cait MacPhee & Prof Simon Bates
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	
3.10 – 3.35	Small group work in large chemistry classes: workshops in first year chemistry	Dr Glennys O'Brien & Dr Simon Bedford
3.35 – 4.00	The inverted classroom in a large enrolment introductory physics course: a case study	Prof Simon Bates & Dr Ross Galloway
4.00 – 4.25	Feedback mechanisms: efficient and effective use of technology or a waste of time and effort?	Dr Rob Allan & Mr Steve Bentley
4.25 - 4.50	A level playing field? Students' experiences of assessment in STEM disciplines	Ms Alison Kay, Dr Judy Hardy & Prof Simon Bates
CONFERENCE RECEPTION 6.00 - 8.00 Location: Royal Geographical Society		

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	
9.30 – 9.55	RELITE: Research-Led Innovative Teaching Experiments – Reinventing first year laboratory courses	Dr Jacquie Robson
9.55 – 10.20	Enhancing literature review skills within forensic science undergraduate project work	Dr Craig Adam
10.20 – 10.45	Enhancing research-teaching synergies through a seminar-based module for undergraduates	Dr David Nutt, Dr Christian Pfrang, Dr Matthew Almond & Dr Elizabeth Page
COFFEE 10.45 – 11.15		
PARALLEL SESSIONS IV Chair:	Workshop Royal School of Mines, Bessemer Building	
11.15-12.55	Geoscience educational e-gaming to provide stimulating & effective learning	Dr Jamie Pringle & Mr Luke Bracegirdle
LUNCH 1.10 – 2.00		
PANEL/DEBATE SESSION 2.00 – 3.30 Room G16		
COFFEE & CLOSE 3.30		