

CETL-MSOR Conference 2014

Day 1 – Monday 8th September

Programme

09.30 – 10.00	Registration and Tea/Coffee			
10.00 – 10.25	Welcome and Housekeeping – Dr Rob Wilson, Cardiff University Conference Introduction – Professor Amanda Coffey, Head of Social Sciences, Cardiff University			
10.25 – 11.25	Keynote Speaker I – Dr Colin Jones, University of Tasmania – Beyond pedagogy content knowledge: retrofitting heutagogy to mathematics			
11.30 – 12.30	Parallel Session I			
	An innovative use of technology to aid the service teaching and assessment of statistics to a large cohort – Dr Ian Weir, Dr Rhys Gwynllyw & Dr Karen Henderson	Fluid Dynamics blogs – Dr David I Graham	The Higher Education Academy STEM project: Skills in mathematics and statistics – Dr Mary McAlinden	Creation of a new A level in Social Analytics for Wales – Rhys Jones
	Back To Basics! The lasting value of face-to-face interaction – Larry Krause	Revolutionising mathematics examples classes: from demonstrator to facilitator – Dr Nicola Wilkin	Providing academic support and improving transition into university life through Facebook groups – Shazia Ahmed & Sarah Honeychurch	Reflections on introducing mature students to mathematics – Paul Wilson & Ruth Fairclough
12.30 – 13.30	Lunch, Posters and Exhibitions			
13.30 – 14.30	Keynote Speaker II – Professor Dame Celia Hoyles, Institute of Education – The potential and challenges for mathematics teaching & learning in the digital age			
14.35 – 15.35	Parallel Session II			
	Doing Statistics Differently: creative learning with Facebook – Dr Mark Feltham	Tell me what you want, what you really really want – Paul Rice & Rob Farmer	Student feedback: What do students really rate when they fill out questionnaires? – Dr Jonathan Gillard & Dr Rob Wilson	Are you <i>sure</i> you're sure? Assessing certainty in a mathematics foundation course – P J Walker
	Enhancing student engagement with statistics through Facebook – Meena Kotecha	Developing educational applications for mobile devices using open source tools and technologies – Mo Rehman & Pete Chapman	Identifying mathematical “trouble-spots” - the challenge of collecting useful qualitative data on students' visits to a Maths Support Centre at a university in Ireland – Nuala Curley & Dr Maria Meehan	Mathematics in prison – Catherine Byrne & Dr Michael Carr
15.35 – 16.00	Tea/Coffee			
16.00 – 17.30	Parallel Session III			
	Scenario based training of statistics support tutors – Ellen Marshall, Alun Owen & Scott Smith	Online videos – are they a complement or a substitute for the live lecture in a first year university Mathematics for Business module? – Dr Maria Meehan & Dr John McCallig	Technology-enhanced learning and teaching in mathematics; enhancing feedback and promoting self reflection (CLARITI) – Madonna Herron & Catherine O'Donnell	Building a community of peer support in mathematics – Samantha Pugh
	An update on statstutor and the statstutor communities project – Alun Owen & Janette Matthews	Enhancing learning of mathematics using screencasts – Dr Helen Busby	The effect of an online adaptive learning maths tool on Access to Science & Engineering students – Dr Anthony Cronin	Traditional lectures with 21st century students – Ruth Fairclough
	Mathematics in economics education: A review of research, mathematics support, and online learning resources – Francis Duah, Arkaprava Bokshi, Josephine Gunns and Jiajun Yang	Using MP4 mathscasts to develop mathematical thought processes and reflective skills – Noel-Ann Bradshaw	Embedding entrepreneurial learning through the teaching of programming in a large flipped classroom – Vincent Knight	Increasing support to increase engagement and achievement – Dr Janet M Bonar
17.30	Book in at Park Plaza Hotel (10 mins walk)			
18.30	Millennium Stadium Tour followed by drinks reception at 19.30 and conference dinner at 20.00			

Day 2 – Tuesday 9th September

08.45 – 09.15	Registration			
09.15 – 10.15	Keynote Speaker III – Professor Paul Harper, Cardiff University – Maths saves lives!			
10.15 – 10.40	Tea/Coffee			
10.45 – 11.45	Parallel Session IV			
	Citizen Maths: development of a maths skills MOOC – Noel-Ann Bradshaw	Use of social media in mathematics and statistics support – Dr Leslie Fletcher & Dr Mark Feltham	The impact of a new approach to mathematics in post-primary level on first-year higher education engineering students in Ireland – Noha Nahari, Eabhnat Ní Fhloinn and Bryan MacDonald	A renaissance of pen-and-paper in a digital age – Madonna Herron
	'Getting a grip on mathematical symbolism' – the Loughborough MOOC experience – Janette Matthews		Gender equality in mathematics support – Eabhnat Ní Fhloinn, Olivia Fitzmaurice, Ciarán Mac an Bhaird & Ciarán O'Sullivan	What is the value of mathematics?: Encouraging meaningful participation in mathematics for engineering courses – Paul Hernandez-Martinez & Marilyn Goos
11.45 – 13.00	Keynote Session I – Staff–Student Partnerships in Teaching and Learning: Hearing from the students themselves! – Morgan Evans, Kingsley Webster, Tom Hobson, Matt Wheatley, Brodie Burton, Gemma Clarke & Hannah Bartholomew			
13.00 – 14.00	Lunch, Posters and Exhibitions			
14.00 – 15.30	Parallel Session V			
	Understanding mathematics in a chemistry context: Just what is the problem? – Samantha Pugh & Michael Grove	APP-lying mathematics – developing interesting digital content to support student learning – Richard Lissaman & Stephen Lee	The IMA is 50 – IT enabled student engagement is key to the next 50 – Sam Kamperis	
	Back to basics – helping learners overcome their fear of numerical reasoning tests – Eleanor Lingham & Ann Baughan	Individualised formative worksheets to encourage small group discussion of method – Peter Rowlett	Face-to-face interaction: All creatures great and small – Sarah Parsons	
	Helping BTEC students to prepare for university: mathematics-based activities for non-mathematics students – Emma Cliffe, Cheryl Voake-Jones, Luis Rodriguez & Jane White	Using technology in module delivery of mathematics – Dr Alison Hooper, Dr Rhys Gwynllyw & Dr Karen Henderson	The secret's in the mix: using OR and technology to enable organisational change – Professor Jo Smedley	
15.35 – 16.00	Closing Plenary – led by Joseph Kyle			
16.00	Close & Depart (Tea/Coffee available)			