

HEA Annual Conference 2017 #HEAconf17

Generation TEF: Teaching in the spotlight

Day 3: 6 July 2017 – STEM strand programme



Session	Type	Details	Room
9.00-9.45			
	Registration	Refreshments available	
9.45-10.00			
	Welcome		C2
10.00-11.00			
	Keynote	Giskin Day, Principal Teaching Fellow (Imperial College London)	C2
11.00-11.30			
	Refreshments		
11.30-12.00			
ST1.3	Oral presentation	<i>Curriculum design: Opportunities and challenges</i> , Nagamani Bora (University of Nottingham)	D5
ST1.4	Oral presentation	<i>Embedding Cybersecurity in the Computer Science curriculum – Phase 2</i> , Alastair Irons (University of Sunderland), Nick Savage (University of Portsmouth), Carsten Maple (University of Warwick), Adrian Davis & Lyndsay Turley (ISC)2	D6
ST1.5	Oral presentation	<i>Engaging students in partnership to develop inclusive curricula</i> , Dawn Theresa Nicholson (Manchester Metropolitan University)	D7
ST1.8	Oral presentation	<i>The Round Table model for teaching and learning Mathematics</i> , Eleni Katirtzoglou (London School of Economics)	E5
ST1.9	Oral presentation	<i>Introducing authentic practice in first year Bioscience practicals</i> , Momma Hejmadi & Christopher Todd (University of Bath)	E6
11.30-12.30			
ST1.1	Workshop	<i>Fighting the ghosts</i> , Ian Stewart (University of Manchester)	D1
ST1.2	Interactive breakout	<i>Designing the learning experience: A case study and an opportunity to develop your own practice</i> , Charlotte Collins & Alexander Harrison (Coventry University)	D2
ST1.6	Workshop	<i>Exploring innovations in assessment with statistical and data analytical software packages</i> , Peter Samuels & Kathleen Maitland (Birmingham City University)	E1
ST1.7	Workshop	<i>Once upon a time... retelling the research project story to a new audience. Using peer feedback to develop the language and clarity of the research narrative</i> , Carys Watts & Lindsay Marshall (Newcastle University)	E2
12.00-12.30			
ST1.3a	Oral presentation	<i>A problem based learning approach to embedding employability in the Physical Sciences</i> , Dylan Williams (University of Leicester)	D5

ST1.4a	Oral presentation	<i>Engaging learners with authentic assessment scenarios in Computing</i> , Siobhan Devlin (University of Sunderland)	D6
ST1.5a	Oral presentation	<i>Using pedagogy to enhance student engagement and learning experience</i> , Asha Akram (University of Sheffield)	D7
ST1.8a	Oral presentation	<i>Implementing PBL within a first year Engineering Mathematics module</i> , Michael Peters & Robin Clark (Aston University)	E5
ST1.9a	Oral presentation	<i>Preparing students new to higher education to become independent and successful learners in Science</i> , Nicolette Habgood & Maria Vleasco Garcia (The Open University)	E6
12.30-12.40			
	Break		
12.40-13.10			
ST2.3	Oral presentation	<i>Embedding employability within the curriculum</i> , Christine Gausden (University of Greenwich)	D5
ST2.4	Oral presentation	<i>Creating student-friendly and inclusive assessment briefs to enhance student achievement</i> , Edward Bolton & Martin Skivington (Southampton Solent University)	D6
ST2.8	Oral presentation	<i>acceleratAR: The augmented reality particle accelerator</i> , Chris Edmonds (University of Liverpool)	E5
ST2.9	Oral presentation	<i>The STEM skills portfolio: A vehicle for excellence but could do with fine tuning</i> , Michael Loughlin (Nottingham Trent University)	E6
12.40-13.40			
ST2.1	Interactive breakout	<i>Integrated programme assessment (IPA) promotes programme level learning and reduces assessment burden</i> , Amanda Harvey, Mariann Rand-Weaver & David Tree (Brunel University, London)	D1
ST2.2	Workshop	<i>Discovering networks for culture change: Lessons from one university's approach to tackling the STEM 'Diversity Deficit'</i> , Jessica Spurrell & Adriana Wilde (University of Southampton)	D2
ST2.5	Panel session	<i>Academia-industry collaboration in postgraduate's training</i> , Carsten Welsch (University of Liverpool), Alexandra Alexandrova (D-Beam) & Gil Travish (Adaptix)	D7
ST2.6	Workshop	<i>The patient within me: Promoting professionalism and values based practice through person-centred education</i> , Robina Shah (Manchester University)	E1
ST2.7	Workshop	<i>Improving intercultural communication in student teams: A digital resource supporting interdependent learning with experiential and reflective tasks</i> , Sophie Reissner-Roubicek, Elke Thonnes, Thomas Greenway & Xiaozhe Cai (University of Warwick)	E2

13.10-13.40			
ST2.3a	Oral presentation	<i>Promoting excellence in employability and transversal skills: A multidisciplinary and intercultural approach to learning,</i> Bob Gilmour (Glasgow Caledonian University)	D5
ST2.4a	Oral presentation	<i>Embedding reasonable adjustments in the curriculum (ERAC): A Faculty-wide approach to inclusive teaching,</i> Dawn Theresa Nicholson & Kathryn Botham (Manchester Metropolitan University)	D6
ST2.8a	Oral presentation	<i>Evidence for the effectiveness of innovative teaching and learning strategies in the Biological Sciences: Towards a refined blend of mindset- and neuroplasticity-based interventions,</i> Simon Payne (Aberystwyth University)	E5
13.40-14.30			
	Lunch		
14.30-15.00			
ST3.3	Interactive breakout	<i>Training of higher education eTeachers in the 21st century,</i> Gerold Baier (University College London)	D5
ST3.4	Oral presentation	<i>Application of problem based learning – Cybersecurity,</i> Alastair Irons (University of Sunderland), Harjinder Lallie (University of Warwick), Paula Thomas (University of Gloucestershire) & Paul Stephens (Canterbury Christ Church University)	D6
ST3.5	Oral presentation	<i>An exploratory study into university lecturers' perceptions regarding the introduction of the flip-curriculum: Fool's gold or golden egg?</i> Karim Visram & Sandi Kirkham (Birmingham City University)	D7
ST3.7	Oral presentation	<i>Success against the odds,</i> Carol Calvert (The Open University)	E2
ST3.8	Oral presentation	<i>Personalised education in Chemistry using Cogbooks Adaptive Learning technology,</i> Paul Smith (Manchester Metropolitan University)	E5
ST3.9	Oral presentation	<i>Methodology to include energy efficiency in curriculum design,</i> Alejandra Cortés, Paz Araya & Manuel Diaz (Universidad de Chile)	E6
14.30-15.30			
ST3.1	Workshop	<i>Using social media to embed employer engagement,</i> Veronica Spowart, Richard Hodgson & Phillip Miller (New College Durham)	D1
ST3.2	Interactive breakout	<i>Collaborative learning for interprofessional communication ('CLIC-Construct'),</i> Alex Maclaren & Lynne Jack (Herriot-Watt University)	D2
ST3.6	Workshop	<i>Exploration of a toolkit of editable electronic resources supporting key student transition skills,</i> Elaine Clafferty & Barry Beggs (Glasgow Caledonian University)	E1

ST3.10	Ignite sessions	<ul style="list-style-type: none"> • <i>Provocation: Putting the 'A' in STEM to make STEAM</i>, Jennifer Walden (University of Portsmouth) • <i>Transitions in BSc Biomedical Science students' identify and career aspirations</i>, Jean Assender & Wendy Leadbeater (University of Birmingham) • <i>Using advanced statistical tools to better understand students' expectation of teaching</i>, Joana Fonseca and Alfredo Camara (City University, London) • <i>Practical tools for putting portfolio-building at the core of business information systems FE/HE study</i>, Gabrielle A A Monaen (BusinessManager.Pro Ltd) 	E7
15.00-15.30			
ST3.3a	Oral presentation	<i>Truly virtual teams: Twelve years on</i> , David Morse (The Open University)	D5
ST3.4a	Oral presentation	<i>Enhancing assessment and achievement through continuous and self-assessment in Computing Science</i> , Rosanne English (University of Glasgow)	D6
ST3.5a	Oral presentation	<i>Increasing engagement and results with flipped learning</i> , Shelley Usher (University of Portsmouth)	D7
ST3.7a	Oral presentation	<i>Improving performance through technology enhanced student-centred learning</i> , Nadege Presneau & Tony Madgwick (University of Westminster)	E2
ST3.8a	Oral presentation	<i>Challenges on animal research education for promoting a "culture of care"</i> , Jordi L. Tremoleda (Queen Mary University London)	E5
ST3.9a	Oral presentation	<i>Use of perceived learning gain: Tailoring curriculum design to student needs and outcomes</i> , Amanda Callaghan (University of Reading)	E6
15.30-16.00			
	Refreshments and poster presentations	<ul style="list-style-type: none"> • <i>Students perceptions on electronic marking</i>, Kat Holloway (Liverpool Hope University) • <i>From fresher to researcher in Biology: Which type of practice makes perfect?</i> Mirela Cuculescu-Santana & Rinke Vinkenoog (Northumbria University) • <i>Fair assessment to enhance students' learning: A beginner's guide</i>, Mohammad Gulrez Zariwala, Nadege Presnau, Brenda McHardy & Emanuela Volpi (University of Westminster) • <i>Improving Engineering students' awareness of employability skills: A case study at Ulster University</i>, Margaret Morgan & Pearse O'Gorman (Ulster University) • <i>Reasons for poor attendance and engagement in HE</i>, Shelley Usher (University of Portsmouth) • <i>E-lab script: An approach to enhance the experience of Chemical Sciences laboratory classes</i>, Charlotte Sarmouk, Christopher Baker & Bhavik Anil Patel (University of Brighton) 	

		<ul style="list-style-type: none"> • <i>The impact of on-line enhanced peer mentoring on the student experience within The School of Biosciences at The University of Nottingham</i>, Fiona McCullough, Judith Wayte, Liza Aspell & Rachel Jessop (University of Nottingham) • <i>A success story of funding and delivering Erasmus Mundus postgraduate study programmes in the College of Engineering at Swansea University – 2007-present</i>, Clare Wood (Swansea University) • <i>The importance of using postgraduate students' undergraduate experiences to improve teaching and guidance about plagiarism and academic writing</i>, Teresa Thomas (University of Birmingham) • <i>Uncovering expectations and supporting the final year dissertation journey of final year applied science undergraduate students</i>, Stephany Veuger (Northumbria University) • <i>An undergraduate forensic biochemistry laboratory experiment to detect doping in animal hair</i>, Iltaf Shah (United Arab Emirates University) • <i>STEM Student Posters: Cyber Security</i> 	
16.00-16.30			
ST4.3	Oral presentation	<i>Accelerating researcher careers</i> , Carsten Welsch (University of Liverpool)	D5
ST4.4	Oral presentation	<i>A novel approach to running final year undergraduate STEM projects: Empowering students to manage their own projects through embedded employability and work-based learning</i> , Chris Shepherd (University of Kent)	D6
ST4.5	Oral presentation	<i>An exploration of student satisfaction using photographic elicitation: Differences between undergraduate and postgraduate students</i> , Elizabeth Bates (University of Cumbria)	D7
ST4.6	Oral presentation	<i>Engaging students in the capacity of student mentor: Does it enhance their employability skills?</i> John Deane, Vivek Indramohan & Karolina Klimczak (Birmingham City University)	E1
ST4.7	Oral presentation	<i>Preserving privacy and reconceptualising sharing in active learning spaces</i> , Joseph Maguire (University of Glasgow)	E2
ST4.8	Oral presentation	<i>Audio versus written feedback: Exploring the impact of feedback type on students use of APA style referencing</i> , Gareth Norris, Alexandra Brookes & Heather Norris (Aberystwyth University)	E5
ST4.9	Oral presentation	<i>Sharing good practice and creating community spirit online: A staff development initiative for Associate Lecturers in the STEM Faculty at the Open University</i> , Janet Haresnape (The Open University)	E6
16.30-17.00			
ST4.3a	Oral presentation	<i>Meet the researcher: What can students and staff learn from engaging in dialogue about research?</i> Nicholas Grindle (University College London)	D5

ST4.4a	Oral presentation	<i>Enhancing digital literacy and employability through online portfolio-building,</i> Dawn Theresa Nicholson (Manchester Metropolitan University)	D6
ST4.5a	Oral presentation	<i>How a blended learning approach supported the learning and management of a large and diverse group of learners,</i> David Hughes & Anne Llewellyn (Teesside University)	D7
ST4.6a	Oral presentation	<i>Can we derive useful "analytics" from clicker response data?</i> James Denholm-Price, Suzan Orwell & Peter Sloan (Kingston University)	E1
ST4.7a	Oral presentation	<i>How to eat an elephant: University Psychology students perceptions of critical thinking,</i> Joseph McCann (University of Cumbria)	E2
ST4.8a	Oral presentation	<i>Student retention: Why would students leave?</i> Kam Gill and Charlotte Collins (Coventry University)	E5
17.00-17.15			
	Plenary		C2