Programme version 6

9:00-9:45	**Registration: 3rd Horizons in STEM Higher Education Conference, Hull, Thursday 28th June (Robert Blackburn Building, foyer and Room 312)**			
9:45-10:00	**Welcome and Introduction- local organising committee (NG) ---- Robert Blackburn Building Lecture Theatre A (RBB-LTA)**			
	Skills development. Chair: SS Robert Blackburn Building - LTA	**Active Learning.** Chair: DH Robert Blackburn Building - LTB	**Maths.** Chair: NB Robert Blackburn Building - LTC	**Transitions and Support.** Chair: CC Robert Blackburn Building - LTD
10:00-10:20	Designing curriculum for student success - a skills development led approach	Development, Delivery and Evaluation of Context-Based Learning Widening Participation Activities for Schools	Appropriate Mathematics for 21st Century Engineering Education	Using student data to identify key success predictors: lessons (being) learned from biology students entering higher education
	Maria Kantirou	Barbara Villa Marcos, Paul M Cullis, Dylan P Williams and Emma Smith	Rebecca Simms and Peter Willmot	Stuart Nattrass, Graham Scott, Katharine Hubbard, Dom Henri and Lesley Morrell
10:20-10:40	Sustainable Computing: a home for Professional and Research skills.	What do students think of Active Learning Teaching methods?	Using a dedicated subject website to create a mathematics and statistics community of learners	Personal Tutors and Tutees Perceptions of A Personal Tutoring System
	Neil Gordon and John Dixon	Neil Williams	Rachel Hilliam and Gaynor Arrowsmith	Baljit Ghatora, Nicholas Freestone and Salma Ali
10:40-11:00	The Digital Skills Partnership: Closing the skills gap in computer science	Beyond the Pale Horse – The application and Impact of a project-based approach to a challenging module	Maths Support for Science: a Reflection of a Blended and Online Development Project	Evaluating different operating models of study buddy schemes – what works best for students?
	Ian Allison, Sally Smith, Polly Purvis and Lesley Broadwood	Richard Brawn and Emma Johnston	Shazia Ahmed, Beth Paschke, Susan Milne and Adrian Lapthorn	Julie Robson, Eleanor Crabb and Nicole Lotz
11:00-11:20	Case Study – Active Learning in Construction Management: developing employability skills		Active learning and e-assessment, in STEM Foundation Year Maths at the University of Leicester	Student Support System as Pedagogic Engagement in Civil Engineering Design Level 4 Module
	Hasan Haroglu		Lovkush Agarwal	Hsein Kew
11:20-11:50	**Break+B28 (3rd floor, Robert Blackburn Building room 312 - Posters and sponsors displays)**			
11:50-12:50	**Sarah Davies (JISC) Plenary Lecture: Can technology deliver on its promises of personalised and flexible learning? Robert Blackburn Building Lecture Theatre A (RBB-LTA)**			
12:50-13:50	**Lunch B43(3rd floor, Robert Blackburn Building room 312 - Posters and sponsors displays)**			

	Horizons in STEM Higher Education Conference : Thursday Afternoon Session			
	Skills development Chair DR Robert Blackburn Building - LTB	**Laboratory teaching** Chair NW Brynmor Jones Library - TR1	**The Research/teaching nexus** Chair: JD Brynmor Jones Library - TR2	**EDI and Communities of practice** Chair: CH Brynmor Jones Library - TR4
13:50-14:50	**Workshop:** 'To believe is to be able': A study of developing self -efficacy in undergraduate biologists	**Workshop**: Inclusive STEM Practicals: Pragmatic approaches to practical work involving students with disabilities	**Workshop**: Towards praxis: Building a practice-focused view of the STEM research – education nexus	**Workshop**: Community building among Mathematics & Statistics tutors in Scotland, through peer observation. Brynmor Jones Library - TR2
	Dominic Henri	Trevor Collins, Victoria Pearson, Anne-Marie Gallen, Kate Bradshaw, Rafael Hidalgo and Nicholas Braithwaite	Ian Allison	Sally Crighton and Andrew Potter
14:50-15:10	How do scientists and STEM undergraduates read research papers?	Using the Smithsonian Learning Lab to promote student learning in STEM	'Come on in to our research labs': promoting interactions of early-year undergraduates with researchers to gain insights into the research community of practice	Coaching and Networking! A door opener for the career development of female computer scientists
	Katharine Hubbard and Sonja Dunbar	Chris Campbell	Xiaoyin Yang, Cristina Tufarelli, Sharon North, Snow Stolnik, Giuseppe Mantovani and Cristina De Matteis	Silvia Maria Förtsch
15:10-15:30	Supporting the **M** in STEM using online Maths modules	A Paperless Laboratory	Industrial Partners as Co-developers of final year undergraduate research projects: Beer Geeks and Doughnut Dorks	STEM student perceptions of the language of disability, deficit and empowerment
	Christopher L. Brown, Wendy A. Loughlin, Peter R. Johnston, Dianne J. Watters	Anna Bertram	Liz Alvey	Anne-Marie Gallen, Elaine McPherson and Kate Lister
15:30-16:00	**Break / posters (3rd floor, Robert Blackburn Building room 312 - Posters and sponsors displays)+B7**			

	Horizons in STEM Higher Education Conference: Thursday late afternoon session			
	Technology Enhanced Learning. Chair: CM Robert Blackburn Building - LTA	**Computing.** Chair: SG Robert Blackburn Building - LTB	**Pedagogic research.** Chair: NW Robert Blackburn Building - LTC	**Assessment.** Chair: JR Robert Blackburn Building - LTD
16:00-16:20	Does size matter? Effect of screen size on student learning.	Being Agile with Artefacts and Authentic Assessment in Computer Science	Who goes where? The importance of peer groups and social interactions in the lecture space.	Authentic individualised assessment for academic integrity and improved understanding of first year biochemistry
	Nicholas Freestone and Ribin Kohnahpoushi	Graham Alsop, Paul Neve, Suzan Orwell and James Orwell	David Smith, Angela Hoare and Melissa Lacey	Christopher Love
16:20-16:40	Teaching Chemistry Using Tablets	Establishing Starting Points for Building Cybersecurity Courses.	The complex emotional responses of undergraduates to capstone experiences – the roles of gender, autonomy and social aspects of learning	Continuing Professional Development (CPD) online self-assessment tool
	Rossana Wright	Mike Brayshaw, Neil Gordon and Athina Karatzogianni	Katharine Hubbard, Graham Scott and Caroline Douglas	Gautam Paul, Zhe Yon Soo and Noorhafizah Ismail
16:40-17:00	Facilitating student engagement in large lecture theatres using Snapchat.	STEM Apprenticeship Degrees: Motivations and aspirations of apprentices	Learned Ignorance - The effects of single disciplinary teaching on communication and employability skills	Screen cast feedback - a case study of the affordances of an alternative method of feedback to students
	Beryl Jones	Sally Smith, Ella Taylor-Smith, Debbie Meharg, Colin Smith and Alison Varey	Alex Crombie	Joel Ross and Sean Lancastle
17:00-17:20	Using Video to Improve Students' Understanding of Intermolecular Forces	Undergraduate mathematics student perceptions of computer programming		Contesting TESTA
	Erlina	Chunhua Yang and Siri Chongchitnan		Nicholas Freestone and Ramin Saleh
17:30-18:00	Organising Committee Meeting RBB-312			
19:30	**Conference Dinner** **Canham Turner**			

		Horizons in STEM Higher Education Registration Friday 29th June			
		Employability. Chair: NP Brynmor Jones Library - TR1	**Transitions/ support. Chair: CC** Brynmor Jones Library - TR2	**Assessment. Chair: NF** Robert Blackburn Building -LTA	**Virtual Laboratories. Chair: CM** Robert Blackburn Building - LTB
09:20-9:40		Demographic influences in the strategies used to support the transition to employment in STEM	Measuring the Expectations of New Chemistry Students	Dialogue and Dynamics: A time efficient high impact model to integrate new ideas in feedback with current practice.	Innovation in Aviation: New learning spaces to create better pilots of the future
		Belgin Okay-Somerville, Ian Allison, Dora Scholarios and Tom Caira	Dylan Williams	Lindsey Thompson	Chris Campbell and Arie Korf
9:40-10:40		**Workshop**: Embedding Employability	**Workshop**: Exploring the expectations and experiences of Level 3 students	9:40 -10:00 Helping students monitor the emerging quality of their work: evaluating the use of self-reflective cover sheets	**Workshop**: Engaging students in practical science at scale through live broadcasts
		Derek Raine and Sarah Gretton	Hilda Mulrooney, Alison Kelly, Ian Piper, Tia Goldring, Emma Harper, Hayden Walker, Ricky Jassal and Lorrianne Joseph	Shane Lindsay, Michael ,Kim Spendlow and Stuart Mcgugan	Trevor Collins, Kate Bradshaw, Venetia Brown and Nicholas Braithwaite
				10:00-10:20 Inspired by Video Games – Designing Assessment for Scale and Engagement for an Introductory Programming Course	
				Simon Grey and Neil Gordon	
				10:20-10:40 Making student feedback count	
				Carol Calvert	
10:40-11:10		**Break (3rd floor, Robert Blackburn Building room 312 - Posters and sponsors displays)**			

	Employability. Chair: NG RBB-LTA	transitions and support. Chair: SM RBB-LTB	Student engagement. Chair: NW RBB-LTC	Fieldwork/Env sci . Chair: KH RBB-LTD
11:10-11:30	Researching skills development; students as partners in this process	Provision of support for students during breaks in study	Community, Engagement and Student Satisfaction	What can our students teach us about field course design?
	Samantha Campbell Casey, Janis MacCallum, Lynn Robertson and Lewis Strachan	Susan Pawley and Chris Hughes	Derek Raine and Sarah Gretton	Graham Scott, Dominic Henri and Stuart Humphries
11:30-11:50	Entrepreneurship as a platform to enhance management attributes	Facing the challenges of transition and commuting in a London University in developing strategies to enhance student engagement	The Use of Co-Curricular Activities to Increase Student Engagement on Interdisciplinary Degree courses and instil Graduate Outcomes	Peer mentoring schemes for Distance Learners; a successful working example from Environmental Science
	Simon O'Leary	Nigel Page	Baljit Ghatora, Nicholas Freestone and Brian Rooney	Julie Robson, Philip Wheeler and Kevin Church
11:50-12:10	Employability in Engineering: How did we do that?	Enhancing students' conceptualisation of the gene		The student as researcher in a longitudinal fieldwork-based research project.
	Gayle Brent, Christopher Allan and David Green	Asriah Mardiyyaningsih		Liz Lakin
12:10-13:10	**Lunch B17 (3rd floor, Robert Blackburn Building room 312 - Posters and sponsors displays)**			
13:10-13:25	**Instructions for Conference Publication in New Directions** **Robert Blackburn Building (RBB) - Lecture Theatre A (LTA)**			
13:25-14:25	**Dr Dylan Williams NTF --- Plenary Lecture: Context and Problem Based Learning: An Integrated Approach** **Robert Blackburn Building (RBB) - Lecture Theatre A (LTA)**			
14:25:14:30	**Closing Remarks**			

CC	Chris Cane	SS	Sally Page
CM	Cristina De Matteis	JR	Julie Robson
NB	Nick Braithwaite	KH	Katharine Hubbard
NW	Neil Williams	SM	Stuart McGugan
DH	Dominic Henri	DR	Derek Raine
CH	Clem Herman	JD	John Dixon
NF	Nick Freestone	NG	Neil Gordon
NP	Nigel Page	SG	Simon Grey