CETL-MSOR 2018 : Evidencing Excellence in the Mathematical Sciences

Day 1 - Wednesday 5th September 2018				
09:30	Tea, Coffee and Registration - *Fore Hall (Gilbert Scott Building)*			
10:30	**Welcome**: Prof Tara Brendle - *Room 466, Gilbert Scott Building*			
10:45	Parallel Session I			
	Room 356	Room 466 Chair: David Bowers	Room 253 Chair: Ewan Russell	Room 250 Chair: Anthony Cronin
	Embedding Numeracy and Statistics in Biomedical Science Practical Teaching *Anne Savage, Scott Cameron and Janet Horrocks*	Supporting Postgraduate Taught Students Through Tailored Maths Workshops and Q&A Sessions *Morgiane Richard*	Problem Solving in Undergraduate Mathematics: A Thematic Approach *Alison Megeney and Matthew Jones*	Games and recreational mathematics and their use in education *Peter Rowlett and Edward Smith*
		Transition 11:05-11:10		
		Importance of Quantitative Skills in Higher Education *Mohamed Mehbali and Tracey Celestin-Radix*	How to Build a Learning Community *Pamela Docherty*	Maths support centres from a socio-cultural view: providing access to communities of mathematical practice *Kirsten Pfeiffer*
		Transition 11:30-11:35		
		Back to basics! *Morag McFadyen*	Approaches to feedback in the mathematical sciences: just what do students really think? *Michael Grove*	Maths Support for Science: a Reflection of a Blended and Online Development Project *Beth Paschke, Shazia Ahmed, Adrian Lapthorn, Sue Milne and Christina Cobbold*

12:00	Parallel Session II			
	Room 356	Room 466 Chair: Ruth Douglas	Room 253 Chair: Kirsten Pfeiffer	Room 250 Chair: Emma Cliffe
	The Quest for the Holy Grail – researching the impact of tutorials on attainment *Alison Loddick*	Embedding and assessing statistical problem solving in the undergarduate mathematics curriculum *Ellen Marshall*	The Transposition Project *Julie Crowley and Catherine Palmer*	Using attainment and attendance data to identify students in need of support *Calvin Smith, Karen Ayres, Joy Singarayer and Louise Strange*
		Transition 12:20-12:25		
		Creating an online mathematics and statistics community of learners *Rachel Hilliam and Gaynor Arrowsmith*	Stimulating engagement and group work through students' use of whiteboards *Alex Shukie, Wodu Majin, Mike Robinson and Claire Cornock*	Evaluating impact of formative assessment in engineering mathematics *Jonathan Cole and Karen Fraser*
		Transition 12:45-12:50		
		Enhancing mathematics support using gaming technology, higher education current perspectives and future considerations *Chrystalla Ferrier*	Embedding Play in Higher Education *Andrew Wilson*	Speedy Stats: The use of short SPSS sessions to aid student learning and understanding *Carole Ann Louise Davenport*
13:10	Lunch - *Fore Hall (Gilbert Scott Building)*			

14:10	**Keynote 1**: Prof Gavin Brooks - *Room 466, Gilbert Scott Building*			
15:10	Parallel Session III (60mins)			
	Room 356	Room 466 Chair: Peter Davidson	Room 253 Chair: Frances Docherty	Room 250 Chair: Kate Durkacz
	A system of tutor training which facilitates formal accreditation *Michael Grove, Ciarán Mac An Bhaird and Ciarán O'Sullivan*	Agile Maths *Thomas Davenport, Darren Campbell and Amy Patten*	Using peer-assessment to help students understand marking criteria *Chris Brignell, Tom Wicks and Carmen Tomas*	MLS and the need and means to be in n places at once – A brief share of ideas *Richard Walsh and Aoife Guerin*
		Transition 15:30-15:35		
		Piloting a problem-solving module for undergraduate mathematics students *David McConnell*	Enhancing teaching, learning and support for Undergraduate Nurses *Karen Symons*	Success in Employers' Numeracy Tests *Shazia Ahmed, Ruth Douglas, Cunyi Wang, Ann Duff and Nigel Hutchins*
		Transition 15:55-16:00		
		Teaching Statistics to large cohorts of students through active partnership *Matina Rassias*	Addressing the BME attainment gap – exploring differential attainment by assessment type in mathematics, chemistry and life sciences *James Denholm-Price, Nigel Page, Neil Williams and Luis Dourado*	Applications and props: the impact on engagement and understanding *Claire Cornock and Alex Corner*
16:20	Tea and Coffee - *Fore Hall*			
16:40	Recognising the Impact of Local, National and International Networks for Mathematics and Statistics Support - *Room 466, Gilbert Scott Building*			
	Lightning Sessions - *Room 466, Gilbert Scott Building*			
17:15	**sigma** Network Annual General Meeting - *Room 466, Gilbert Scott Building*			
17:30	End of Day 1			
18:45	Conference Dinner at Oran Mor			

Day 2 - Thursday 6th September 2018				
08:30	Registration - *Fore Hall (Gilbert Scott Building)*			
09:00	**Keynote 2**: Noel-Ann Bradshaw - *Room 466, Gilbert Scott Building*			
10:00	Tea/Coffee - *Fore Hall (Gilbert Scott Building)*			
10:20	Parallel Session IV (60mins)			
	Room 356	Room 466 Chair: Frances Docherty	Room 253 Chair: Peter Rowlett	Room 250 Chair: Kirsten Pfeiffer
	Statistics SIG: Identifying and addressing issues within statistics support *Alun Owen and Ellen Marshall*	Effective maths support and assistance for students *Inna Namestnikova*	Collaborative Delivery of Education Modules and School Experience Internships *David Bedford*	Assessing the impact of pre-submission feedback *Calvin Smith, Peter Chamberlain, Karen Ayres and Tristan Pryer*
		Transition 10:40-10:45		
		The Engineering Peer Tutors in their own words *Kate Durkacz and Zhamilya Alabergenova*	Undergraduate Mathematics with QTS course, perspectives of students *Ruth Fairclough and Diane Cochrane*	Comparison of student engagement in traditional and active learning environments *Lucy Lepore, Jonathan Gillard and Robert Wilson*
		Transition 11:05-11:10		
		Engaging non-mathematicians in mathematics learning through collaborative teaching *Jinhua Mathias and Christopher Saville*	A Statistical Study of "Attainment Gaps" (and their Possible Causes) in Undergraduate Students' Performance and Progression in Mathematical Degree Courses at a Post-1992 UK University *Gordon Hunter, Mastaneh Davis and Stenford Runvinga*	Cross Faculty Online Numeracy Testing – determining the baseline *Liam Naughton and Abigail Parkes*

11:35	Parallel Session V (60mins)			
	Room 356	Room 466 Chair: David Bowers	Room 253 Chair: Andrew Wilson	Room 250 Chair: Ruth Douglas
	Comparative Judgement for Teachers' Understanding of Students' Understanding *Jodie Hunter and Ian Jones*	Video vs. written assignments: evaluation of student choices *Claire Cornock and Alex Crombie*	Extracting the treasure from buried data *Don Shearman*	Baseline *Thomas Davenport*
		Transition 11:55-12:00		
		The Provision of Mathematics and Statistics Support in Scottish HEIs: A Comparative Study *Morgiane Richard, Kate Durkacz, Shazia Ahmed, Peter Davidson, Calum Macdonald and Alan Walker*	Quality assurance for a mathematics support service *Emma Cliffe, Cheryl Voake-Jones and Rob Wilson*	Making the grade - supporting mathematics students in understanding the use of grade-based marking criteria for assessments *Ewan Russell*
		Transition 12:20-12:25		
		Designing and implementing an intervention module to improve high-achieving, second-level students' problem solving abilities *Aidan Fitzsimons and Eabhnat Ní Fhloinn*	Using data to evaluate and improve the effectiveness of the provision *Kinga Zaczek and Katie Shaw*	Using data to monitor engagement and inform the differentiation of maths support interventions *Ioannis Lignos*
12:45	Lunch - *Fore Hall (Gilbert Scott Building)*			

13:45	Parallel Session VI (60mins)			
	Room 356	Room 466 Chair: Kate Durkacz	Room 253 Chair: Morgiane Richard	Room 250 Chair: Alan Walker
	STACK: Improve your online mathematics assessment and feedback *Ian Jones*	Quantifying the impact of mathematics support on the performance of undergraduate engineering and computing students *Calum Macdonald*	Support for students in their transition to a first year Engineering degree *Stephanie Thomas and Clare Trott*	Identifying Students Maths Anxiety Levels and Helping them Re-engage with Maths Learning *Chetna Patel*
		Transition 14:05-14:10		
		Facilitating the Creation and Editing of On-Line Resources for the Teaching and Learning of Calculus within the QTI Framework *Gordon Hunter*	I am a Management student; do I really need to use ANOVAs? An exploration of discipline-specific Statistical enquires within Mathematics and Statistics Support Centres *Monica-Cristiana Hess*	Embedding the practice of teaching mathematics in an undergraduate mathematics degree programme *Robert Wilson and Mathew Pugh*
		Transition 14:30-14:35		
		Maths Hangouts - Breaking Down the GCSE Maths Barrier using Team Based Learning *Rebecca Butler and Liam Naughton*	Learning Undergraduate Mathematics and Computer Programming: How can one inform the other? *Chunhua Yang and Siri Chongchitnan*	The contribution of interdisciplinary learning to employability development in maths and engineering *Alex Crombie and Peter Rowlett*
15:00	**Keynote 3**: Joe Kyle - *Room 466, Gilbert Scott Building*			
15:30	Close of Conference			