31 January - Day 2

09:00 - 09:45 — Registration and refreshments - The Platform

09:45 - 10:00 — Opening plenary — Auditorium

Welcome address: Abbie Vlahakis, Finance Director, Millennium Point

10:00 - 11:00 — Parallel Session 6

Proposition 1	Proposition 2	Proposition 3	Proposition 4	Proposition 1	General	General	General
Auditorium	Connect Event Space	Connect 1 + 2	Connect 3	Room 495	Think Tank Lodge	Think Tank Issigonis	Think Tank Brindley
Session 6.1a - Presentation	Session 6.2a - Presentation	Session 6.3a - Presentation	Session 6.4a - Presentation	Session 6.5a - Presentation	Session 6.6 - Workshop	Session 6.7 - Workshop	Session 6.8 - Workshop
Putting learning and teaching at the heart of a medical school curriculum	Open data for Science learning	How technology can be used in delivering apprenticeship Level 7 programmes	Developing leadership skills through competition-based group projects	Reactions and resistance to a university interdisciplinary learning initiative in a STEM faculty	Are we giving undergraduates enough guidance about how to read research papers?	Inclusive education: When will the miracle occur?	Learning digital literacies in a STEM context
Mrs Julie Taylor, Canterbury Christ Church University	Dr Mario Orsi, UWE Bristol	Dr Yvonne Moogan, Leeds University Business School	Dr Ian Tuersley and Dr John Thornby, University of Warwick	Dr Ian Stewart and Kun Wang, University of Manchester			
Session 6.1b - Presentation	Session 6.2b - Presentation	Session 6.3b - Presentation	Session 6.4b - Presentation	Session 6.5b - Presentation			
Interprofessional education across UK medical schools	Computing in the classroom: Learning Programming with educational robots	The Institute of Coding	The experiences of students learning Research Methods and Statistics	Developing Engineering skills through deliberate practice and growth mind-set			
Dr Bethany Shelvey and Dr Morkos Iskander, The Royal Liverpool and Broadgreen University Hospital	Dr Tessa Berg, Heriot-Watt University	Professor James Davenport, University of Bath	Dr Alexander Marchant and Dr Eleni Vangeli, London South Bank University	Dr Sarah Junaid and Mr Paul Warrington, Aston University			
Session 6.1c - Presentation	Session 6.2c - Presentation	Session 6.3c - Presentation	Session 6.4c - Presentation	Session 6.5c - Presentation			
Embedding experiential learning into undergraduate Health programmes	Thoughts on hacking student induction	Embedding entrepreneurial skills and employability in the academic curriculum	Student retention in HE: The perception of the student	The scientific iceberg: Including students in our community's practices	Dr Trevor Day, Royal Literary Fund	Dr Trevor Collins and Dr Victoria Pearson, The Open University	Professor Timothy Drysdale, University of Edinburgh
Dr Rahma Elmahdi and Mr Gurnam Johal, Imperial College London	Mr Stephen Murphy, Birmingham City University	Dr Mircea Scrob and Ms Helen Hook, University of Birmingham	Mr Kam Gill, Coventry University	Dr Sophie Rutschmann, Imperial College London			

11:00 - 11:15 — Refreshments - The Platform

11:15 - 12:15 — Parallel Session 7

Auditorium	Connect Event Space	Connect 1 + 2	Connect 3	Room 495	Think Tank Lodge	Think Tank Issigonis	Think Tank Brindley
Session 7.1a - Presentation	Session 7.2a - Presentation	Session 7.3a - Presentation	Session 7.4a - Presentation	Session 7.5a - Presentation	Session 7.6 - Workshop	Session 7.7 - Workshop	Session 7.8 - Workshop
Creating a Mathematics teaching placement module collaboratively	Adventures in flipping the teaching: A bioethical example	Technological innovation and pedagogical immersive approach in STEM teaching	Changing culture and challenging stereotypes: Let's build bridges and diversify!	Flipped classroom: Boom or bust	Enhancing learning through interdisciplinary field courses: Breaking subject-specific barriers, widening perspectives and revolutionising peer-led learning in the Indian Himalayas	People-centred development: A resilient approach to learning and teaching	Partnerships for active engagement for STEM-learning "practically anywhere" with an Internet of Laboratory Things
	Dr Chris Willmott, University of Leicester	Dr Farzana Rahman and Mrs Louise Pennell, University of South Wales		Dr Lucy Crockford, Harper Adams University			
Session Dr Kristian Evans, Swansea University	Session 7.2b - Presentation	Session 7.3b - Presentation		Session 7.5b - Presentation			
	Novel use of haptic technology (touchVR) in teaching Cell Biology	Facilitating peer-led group research through virtual collaboration spaces	Professor Rebecca Strachan, Mr Opeyemi Dele-Ajayi and Ms Jane Stonehouse, Northumbria University	How to bring 'the arts' into STEM: Our obligation to teach ethics			
Session 7.1b - Presentation	Dr Natasha Barrett, University of Reading	Dr Setareh Chong Professor James Chong and Dr Richard Walker, University of York	Session 7.4b - Presentation	Dr Susanne Prankel, University of Worcester			
Improving numeracy skills and student employability through technology: Three pilot projects by the University of Derby and Vretta	Session 7.2c - Presentation	Session 7.3c - Presentation	Ensuring an effective HE Engineering provision for contemporary students	Session 7.5c - Presentation	Dr Laura Roberts and Dr Osian Elias, Swansea University	Dr Maria Salaru, Durham University	Professor Nicholas Braithwaite and Dr James Smith, The Open University
	Encouraging mastery in the learning of Biochemistry in first year Pharmacy undergraduates: A flipped classroom approach	Interactive environment for learning Programming		Improving feedback participation by distance learners			
Dr Ovidiu Bagdasar, University of Derby	Dr David Morgan, Keele University	Dr Ross Davies and Mr Jack Whitter-Jones, University of South Wales	Mr Dave Knapton, University of Sunderland	Dr Tim Young, UCL			

12:15 - 12:20 — Transition

12:20 - 13:20 — Parallel Session 8

Auditorium	Connect Event Space	Connect 1 + 2	Connect 3	Room 495	Think Tank Lodge	Think Tank Issigonis	Think Tank Brindley
Session 8.1a - Presentation	Session 8.2a - Presentation	Session 8.3a - Presentation	Session 8.4a - Presentation	Session 8.5a - Presentation	Session 8.6 - Workshop	Session 8.7 - Workshop	Session 8.8 - Workshop
Increasing retention and progression rates for Open University Engineering students through curriculum renewal	A future-facing learning strategy: What does this mean from a teaching perspective?	Where's the flipping stats?	Understanding the importance of creating an inclusive timetable in the age of the commuting student	Embedding employability and transferable skills in the curriculum: A practical, multidisciplinary approach	Designing a better accreditation standard to promote graduates' employability	When diversity delivers: Speeding up diversity in academic settings	Creative approaches to reflective practice
Dr Sally Organ, Ms Carol Morris and Dr Alec Goodyear, The Open University	Dr Helen Tidy, Teesside University	Dr Janet Horrocks, Dr Anne Savage, Dr Scott Cameron and Dr Sean Brown, Abertay University	Dr Nigel Page, Mr Mark Bonetsky and Dr Gary Forster-Wilkins, Kingston University London	Dr Maria Valero, University of Bath			
Session 8.1b - Presentation	Session 8.2b - Presentation	Session 8.3b - Presentation	Session 8.4b - Presentation	Session 8.5b - Presentation			
Course design for achieving the graduate attributes of the 21st Century UK engineer	Using Minecraft in HE as a virtual field trip: One academic's journey	Implementing Maths support for Health Science students	Look to the US? Case study of Suffolk Centre for Female Entrepreneurship	Experiences supporting Open University apprenticeship students: A case study			
Dr Wasim Ahmad, Dr Rami Ghannam and Professor Muhammad Ali Imran, The University of Glasgow	Dr Helen Carney, Teesside University	Dr Linda Thomson and Dr Nicola McIntyre, The Open University	Ms Stefanie Thorne, University of Suffolk	Dr Soraya Kouadri Mostefaoui and Mrs Christine Gardner, The Open University			
Session 8.1c - Presentation	Session 8.2c - Presentation	Session 8.3c - Presentation	Session 8.4c - Presentation	Session 8.5c - Presentation			
	The 4th Industrial Revolution: The who, what, how, when and WTF of higher education		How accessible is the STEM post-16 education provision in the UK, and what are the implications for the HE Computing and Engineering programmes' pipeline?	Crossing fields: Embedding employability skills through cross-disciplinary collaborative projects	Dr David Bowers, The Open University	Ms Alice Chilver, Women's Higher Education Network	Dr Jennifer Leigh, University of Kent
	Dr Jeffrey Vernon, Imperial College London		Dr Anne Nortcliffe and Mrs Roz Barley, Canterbury Christ Church University and Mrs Jacqueline Stallard, Sheffield Hallam University	Mr Fred Bates, Leeds Arts University			

13:20 - 14:20 — Lunch - The Platform

13:40 - 14:20 — Poster sessions — Auditorium

Group A

A1: Exciting, encouraging, and enticing qualified diverse Math enthusiasts into the teaching profession, Dr Maria Gross, Azusa Pacific University
A2: Professional e-Portfolio: Using Padlet to map a learning journey for regulated practice, Dr Philip Bright, European School of Osteopathy
A3: Improving Maths performance in large student cohorts, Dr Jessica Dale, Nottingham Trent University
A4: Writing retreat days to support part-time students with dissertation writing, Dr Jean Assender, University of Birmingham
A5: Developing interdisciplinary approaches to learning and teaching by the embedding of real-world employer challenges into the curriculum, Dr Nigel Page and Dr Martha Mador, Kingston University London
A6: Blended learning through VR technology in teaching Engineering subjects, Dr Zoran Jelic, Swansea University
A7: University and school collaboration to promote STEM subjects, Dr Mary-Carmel Kearney, Queen's University Belfast

Group B

B1: Integrating continuous reflection into the undergraduate learning experience, Dr Rachel Hope and Dr Richard Maguire, University of York
B2: Assessment strategy to 'future proof' students as computing practitioners, Miss Helen Partou and Ms Lindsay Smith, University of Hertfordshire
B3: "The game is afoot": Discovering the barriers to widening access and how we can overcome them, Mr Callum Livingstone, University of Dundee
B4: Education for STEM, Dr Carol Wood, Mr Andrew Harper and Ms Melanie Smith, University of South Wales
B5: Use of digital skills to promote collaborative learning and co-creation, Mr Gareth Day, UCSD
B6: Designing experiential assessment and providing meaningful feedback to equip students for leadership and critical thinking, Dr Jenna Macciochi, University of Sussex

Group C

C1: Uncertain future and complex workplace scenarios: Embedding employability into the postgraduate curriculum, Dr Latha Ramakrishnan, Imperial College London
C2: Curriculum review of diverse programmes in an enormous faculty with a complex structure: What and how to prioritise? Dr Latha Ramakrishnan, Imperial College London
C3: Construction of STEM educational materials for estimating energy band gap of semiconductor materials, Professor Kenji Yamada, National Institute of Technology Ishikawa College
C4: Supporting female students' STEM development through teachers' pedagogical strategies in China, Miss Yile He, University of Glasgow
C5: Enhancing student engagement in learning, Dr Qiuyu Wang, Manchester Metropolitan University
C6: Teaching mathematical thinking to Computer Science students, Dr Kevin Navaie, Lancaster University
C7: Enhancing class interactivity: Lessons on small group teaching, Dr Kathryn Harden-Thew, University of Wollongong

14:30 - 14:40 — Transition

14:40 - 15:40 — Parallel Session 9

Auditorium	Connect Event Space	Connect 1 + 2	Connect 3	Room 495	Think Tank Lodge	Think Tank Issigonis	Think Tank Brindley
Session 9.1a - Presentation	Session 9.2a - Presentation	Session 9.3a - Presentation	Session 9.4a - Presentation	Session 9.5a - Presentation	Session 9.6 - Workshop	Session 9.7 - Workshop	Session 9.8- Workshop
Integrating personal and professional skills development into the core Engineering curriculum for distance learning students	Developing student engagement using blogging as a form of assessment	Does blended learning increase students' engagement and satisfaction?	Self-efficacy: Empowering diversity in STEM recruitment	Developing and implementing a reputable evidence base for the statistical learning needs of undergraduate medical students in preparation for clinical practice	Remote laboratories: Requirements capture for a national pooling infrastructure	How (not) to innovate your curriculum: Hacking the problem of communication failure	Jumping fences?: Reframing STEM as a creative design problem
Dr Alec Goodyear, Dr Sally Organ and Ms Carol Morris, The Open University	Dr Nina Morris, University of Edinburgh	Dr Kaska Sypek, University of Strathclyde	Dr Philippa Boyd and Associate Professor Maria Vahdati, University of Reading				
Session 9.1b - Presentation	Session 9.2b - Presentation	Session 9.3b - Presentation	Session 9.4b - Presentation	Dr Margaret MacDougall, University of Edinburgh			
'Scripts for solutions': Using change management techniques to support tutorial sessions	Embedding STEM in Social Science curricula: An experiment in interdisciplinary education	A scalable blended approach to student diversity	Inclusive Engineering				
Mr Craig Bridge, Bishop Grosseteste University	Dr Jillian Terry and Ms Jeni Brown, London School of Economics and Political Science	Dr Carlos Matos and Mr Nuno Barreiro, Royal Holloway, University of London	Professor Kate Sugden, Aston University	Session 9.5b - Presentation			
Session 9.1c - Presentation	Session 9.2c - Presentation	Session 9.3c - Presentation	Session 9.4c - Presentation				
How disciplinary corralling restricts the development of the self and the other	Enhancing the engagement of large student groups through innovation	Addressing student retention and engagement using new technology	Scientists are humans	Accessing the hive mind: Creating a repository of interactive activities for use in online teaching	Professor Timothy Drysdale and Mrs Victoria Dishon, University of Edinburgh, Dr Andrew Weightman, University of Manchester and Mr Stephen Watts, University of Cardiff	Dr Jeffrey Vernon, Dr Latha Ramakrishnan and Ms Ania Jones, Imperial College London	Mr Fred Bates, Leeds Arts University
Mr Alex Crombie, Sheffield Hallam University	Dr Neil Pickles, University of Chester	Dr Antonio Peña-Fernández and Mark Evans, De Montfort University and María Ángeles Peña, Universidad de Alcalá	Dr Hannah Dee, Aberystwyth University	Dr Susan Pawley, The Open University			

15:40 - 16:00 — Refreshments - The Platform

16:00 - 17:00 — Closing plenary — Auditorium

Keynote:
Elizabeth Pollitzer, Portia

Summative address: Dr Kay Hack, Principal Adviser, Advance HE

17:00 — Close