

PEE26 PRGORAMME - DAY 1						
TIME	EVENT			LOCATION		
8:30-9:30	Registration, Breakfast/Coffee, Networking Sessions, Sponsors' Interactions			Nucleus Groundfloor		
9:30-9:45	House Keeping and Opening Address: Professor Guangzhao Mao Head of School of Engineering, University of Edinburgh			Larch lecture theatre		
9:45-10:15	Keynote Talk 1 Professor Andrew Garrard Experiments under the microscope: Why do we teach lab classes and do they have a place in a world with AI? Chair: John Turner			Larch lecture theatre		
10:15-10:30	Sponsors Talk: TecQuipment					
10:30-10:45	Sponsors Talk: Gunt Technology					
10:45-11:15	Coffee Break, Networking Sessions, Sponsors' Interactions and Posters			Alder Lecture Theatre		
TIME	EVENT	LOCATION	EVENT	LOCATION		
11:15-12:30	Parallel Session 1 - Engineering Practice in HE and Curriculum Transformation Chair: Christopher Smith	Larch lecture theatre	Parallel Session 2 - Students Teacher Interactions Chair: Debjani Goswami	Rowan studio		
11:15-11:30	14. Dreaming A New Undergraduate Engineering Curriculum Together		09. Co-Creating Inclusive Engineering Laboratories: Embedding Accessibility and Belonging			
11:30-11:45	7. A Multi-Stakeholder Approach to Practical Curriculum Transformation in Engineering Education		16. To Get The Cow Off The Ice: On Ultraconcurrent Remote Laboratories and Their Importance For Accessible STEM Laboratory Education			
11:45-12:00	38. A new 'backbone' for our Mechanical Engineering degree programmes		23. Reinforcing Practical Engineering Education Through an Early-Engagement Research Lab Model			
12:00-12:15	6. Embedding a Professional from Day One (PFD1) Culture into the School of Engineering and Built Environment		3. Enhancing Students' Engagement by Innovative Experimental Approach for Problem-Solving Questions in the Foundation Year Tutorial			
12:15-12:30	1. From Molecules to Meaning: A 10-Dimensional Framework for Post-2030 Chemical Engineering Education		50. Remote Lab Challenge: Co-Creating the Future of Laboratory Education through Challenge-Based Learning			
12:30-13:30	Lunch & Coffee Break, Networking Sessions, Sponsors' Interactions and Posters				Alder Lecture Theatre	
13:30-13:55	Keynote Talk 2 Professor Raffaella Ocone The Role of IChemE and Accreditation Institutions in Practical Engineering Education Chair: Tim Drysdale				Larch lecture theatre	
13:55-13:00	Aaron Pennie - Regional Engagement Manager IChemE			Larch lecture theatre		
TIME	EVENT	LOCATION	EVENT	LOCATION		
14:05-14:45	Workshop 1 Chair: Katherine Dunn	Larch lecture theatre	Workshop 2 Chair: Victoria Mellon	Rowan studio		
14:05-14:45	27. Induction as the First Engineering Project: Practical Approaches to Building Confidence and Belonging		26. Experiments ReLOAD and enLITEened			
TIME	EVENT			LOCATION		
14:45-15:00	Sponsors Talk: Feedback			Larch lecture theatre		
15:00-15:15	Sponsors Talk: Didactic Services DSL					
15:15-15:30	Poster Presentations Pitches - 3 mins each - Problem, Solution, Impact Chair: Chalak Omar					
15:15-15:35	28. Technology Demonstrator: A Modular Open-Lab Concept for Short, Self-Directed, Team-Based Engineering Practice in Higher Education					
15:15-15:35	34. Role of Undergraduate Student-Led Societies in Practical Engineering					
15:15-15:35	41. What Students Really Do In Jupyter Notebooks					
15:15-15:35	45. Project-Based Learning Through Undergraduate Research Internships					
15:15-15:35	49. Citizen Science and Energy Literacy as Authentic Assessment in First-year Renewable Energy Engineering Students					
15:15-15:35	47: Development & pre-Evaluation of Batch Reactor Process Laboratory via Remote Access to Develop Accompanying Laboratory Skills using the ADDIE Model					
15:15-15:35	48. Digital First Labsheets					
15:15-15:35	10. Teacher-Student Interaction in a Hybrid Remote Laboratory Setting					
15:30-16:15	Demonstration Sessions & Coffee Break, Networking Sessions, Sponsors' Interactions and Posters			Alder Lecture Theatre		
15:30-16:15	Demonstration Session 1			Alder Lecture Theatre		
15:30-16:15	21. MIRTE: Choose Your Own (Robot) Adventure					
15:30-16:15	31. Bringing digitalisation into the laboratory: a Single Tube Condenser case study					
15:30-16:15	40. ACE-Lab: A Practical, Application-Led Framework for Control Engineering Education					
16:15-17:00	Debate/Discussion Pannel Chair Dave Laureson			Larch lecture theatre		
16:15-17:00	35. This house believes the future of practical engineering education is on digital twins coupled to virtual reality?					
TIME	EVENT			LOCATION		
19:00-23:00	Gala Dinner in City Centre for ALL			Ghillie Dhu		

PEE26 PRGORAMME - DAY 2				
TIME	EVENT			LOCATION
8:30-9:00	Registration, Breakfast/Coffee, Networking Sessions, Sponsors' Interactions			Nucleus Groundfloor
9:00-9:30	Keynote Talk 3 Professor Tim Drysdale Near-Future Practical Work - Digitisation, Industry and Student Experience Chair: Daniel Orejon			Larch lecture theatre
9:30-9:45	Sponsors Talk: Quanser			
9:45-10:00	Sponsors Talk: Autodesk			
10:00-10:15	Sponsors Talk: Mechatronics			
10:15-10:45	Coffee Break, Networking Sessions, Sponsors' Interactions and Posters			Alder Lecture Theatre
TIME	EVENT	LOCATION	EVENT	LOCATION
10:45-12:15	Parallel Session 3 - Problem Project Scenario Based Learning Chair: Patrick J Purcell	Larch lecture theatre	Parallel Session 4 - Transformative Assessment & Digitalisation AI in PEE Chair: Mahmoud Masoud	Rowan studio
10:45-11:00	18. Experiential Learning in Thermal Management: A Progressive Practical Teaching Approach to Bridging Theory and Industry Competence in Engineering Education		19. Beam Bending Rig Project: Bringing It All Together	
11:00-11:15	24. Co-Solving of Non-Hypothetical Problems to Facilitate Innovation		13. Verifying Engineering Competence Through Direct Observation: A Curriculum-Wide Transformation	
11:15-11:30	2. Hands-on Teaching and Learning in a Complex Safety Critical Environment		4. A Formative and Comprehensive Personalised Feedback Technique for Small Cohorts in Electrical Engineering Coursework	
11:30-11:45	8. Small Measures: Practical Tasks for Teaching Statistical Process Control		15. From Equations to Experiences: A Spreadsheet-based Approach to Teaching Finite Element Theory	
11:45-12:00	20. Designing for Density: Scaling Active, Student-Executed Laboratories in Large-Cohort Engineering Programmes		05. From AI Anxiety to Practical Mastery: Scaffolded Approach to AI Modeling in Civil Engineering Education—Building Energy Case Study	
12:00-12:15	11. Industrial contribution to Civil Engineering Programmes at University College Dublin, Ireland		44. LiaScript for real and virtual hardware control	
12:15-13:15	Lunch & Coffee Break, Networking Sessions, Sponsors' Interactions and Posters			Alder Lecture Theatre
TIME	EVENT	LOCATION	EVENT	LOCATION
13:15-14:15	Classroom Demonstration 1 Chair: Kevin Hanley	Larch lecture theatre	Classroom Demonstration 2 Chair: Bianca Griech	Rowan studio
13:15-13:45	30. Every Third Week is a Project Week: Embedding Project-Based Learning in Early Engineering Education		36. Learn By Doing: An Interactive Lab on Culinary Fluid Mechanics	
13:45-14:15	33.A Virtual Site Visit to Engage First Year Chemical Engineering Students		17. Leveraging Peer Feedback for Assessment Literacy: the Peerceptiv Project	
TIME	EVENT	LOCATION	EVENT	LOCATION
14:15-15:45	Classroom Demonstration 3 Chair: Martin Levesley	Larch lecture theatre	Workshop 3 Chair: Rola Saad	Rowan studio
14:15-14:45	43. Refrigeration Remote Lab and Calc App for Thermodynamics		29. Co-Designed Engineering Laboratories: A Practical-Based Learning Model Integrating Peer Feedback for Inclusive and Experiential Skill Development (45 minutes)	
14:45-15:15	39. Supporting student-led, self-directed learning with a new structural dynamics remote laboratory			
15:15-15:45	32.Rubric grades simplification and marking scheme-feedback unification for best practice in (Chemical) Engineering Laboratories		51. Lego® Serious Play®: A multi-purpose tool for co-creation, design and delivery of Practical Engineering Education (45 minutes)	
15:45-15:55	Sponsors Talk: Engineering 4 Change			Larch lecture theatre
16:00-16:45	Demonstration Sessions & Coffee Break, Networking Sessions, Sponsors' Interactions and Posters			Alder Lecture Theatre
16:00-16:45	Demonstration Session 2			Alder Lecture Theatre
16:00-16:45	37. Bubble/Ballon Bursting for Exemplifying Fluid Dynamics to Pupils			
16:00-16:45	22. Design and Implementation of a Low-Cost CAN-Based Adaptive Cruise Control			
16:00-16:45	46. From student project to teaching practice: A green hydrogen generation and utilisation activity for Electrochemical Engineering Education			
16:00-16:45	42. Stirrer Remote Labs in Chemical Engineering Design 1			
16:45-17:00	Concluding Remarks			Larch lecture theatre
17:00	Lab Visits AND/OR Departure			Around Campus