PEE26 PRGORAMME - DAY 1

TIME	EVENT	LOCATION	EVENT	LOCATION
8:30-9:30	**Registration, Breakfast/Cofee, 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 Garrand Experiments under the microscope: Why do we teach lab classes and do they have a place in a world with AI?**			**Larch lecture theatre**
10:15-10:30 10:30-10:45	**Sponsors Talk: TecQuipment 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: TBC**		**Parallel Session 2 - Students Teacher Interactions Chair: TBC**	**Rowan studio**
11:15-11:30	14. Dreaming A New Undergraduate Engineering Curriculum Together	**Larch lecture theatre**	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		10. Teacher-Student Interaction in a Hybrid Remote Laboratory Setting	
12:30-13:30	**Lunch & Coffee Break, Networking Sessions, Sponsors' Interactions and Posters**			**Alder Lecture Theatre**
13:30-13:55	**Keynote Talk 2 Professor Rafaella Ocone The Role of IChemE and Accreditation Institutions in Practical Engineering Education**			**Larch lecture theatre**
TIME	**EVENT**	**LOCATION**	**EVENT**	**LOCATION**
14:00-14:40	**Workshop 1 Chair: TBC**	**Larch lecture theatre**	**Workshop 2 Chair: TBC**	**Rowan studio**
14:00-14:40	26. Experiments ReLOAD and enLITEened		27. Induction as the First Engineering Project: Practical Approaches to Building Confidence and Belonging	
TIME	**EVENT**			**LOCATION**
14:45-15:00 15:00-15:15	**Sponsors Talk: Feedback Sponsors Talk: Didactic Services DSL**			**Larch lecture theatre**
15:15-15:30	**Poster Presentations Pitchs - 3 mins each - Problem, Solution, Impact Chair: TBC**			
15:15-15:30	28.Technology Demonstrator: A Modular Open-Lab Concept for Short, Self-Directed, Team-Based Engineering Practice in Higher Education			
15:15-15:30	34.Role of Undergraduate Student-Led Societies in Practical Engineering			
15:15-15:30	41. What Students Really Do In Jupyter Notebooks			
15:15-15:30	45.Project-Based Learning Through Undergraduate Research Internships			
15:15-15:30 15:15-15:30				
15:30-16:15	**Demonstration Sessions & Coffee Break, Networking Sessions, Sponsors' Interactions and Posters**			**Alder Lecture Theatre**
15:30-16:15	21.MIRTE: Choose Your Own (Robot) Adventure			**Alder Lecture Theatre**
15:30-16:15	31.Bringing digitalisation into the laboratory: a Single Tube Condenser case study			
15:30-16:15	42. Stirrer Remote Labs in Chemical Engineering Design 1			
15:30-16:15	40. ACE-Lab: A Practical, Application-Led Framework for Control Engineering Education			
15:30-16:15				
16:15-17:00	**Debate/Discussion Pannel**			**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**
19:00-20:00	**Gala Dinner in City Centre for ALL**			**Venue TBC**

PEE26 PRGORAMME - DAY 2

TIME	EVENT	LOCATION	EVENT	LOCATION
8:30-9:00	**Registration, Breakfast/Cofee, 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**			Larch lecture theatre
9:30-9:45 9:45-10:00 10:00-10:15	**Sponsors Talk: Quanser Sponsors Talk: Autodesk Sponsors Talk: Armfield**			
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 - Probem Project Scenario Based Learning Chair: TBC**	Larch lecture theatre	**Parallel Session 4 - Transformative Assessment & Digitalisation AI in PEE Chair: TBC**	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		12. Transforming Assessment and Feedback in Engineering Education: A Human–AI Collaborative Model	
11:30-11:45	8. Small Measures: Practical Tasks for Teaching Statistical Process Control		4. A Formative and Comprehensive Personalised Feedback Technique for Small Cohorts in Electrical Engineering Coursework	
11:45-12:00	20. Designing for Density: Scaling Active, Student-Executed Laboratories in Large-Cohort Engineering Programmes		15. From Equations to Experiences: A Spreadsheet-based Approach to Teaching Finite Element Theory	
12:00-12:15	11. Industrial contribution to Civil Engineering Programmes at University College Dublin, Ireland		05. From AI Anxiety to Practical Mastery: Scaffolded Approach to AI Modeling in Civil Engineering Education—Building Energy Case Study	
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: TBC**	Larch lecture theatre	**Classroom Demonstration 2 Chair: TBC**	Rowan studio
13:15-13:45	36. Learn By Doing: An Interactive Lab on Culinary Fluid Mechanics		30. Every Third Week is a Project Week: Embedding Project-Based Learning in Early Engineering Education	
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	**Workshop 3 + Classrrom Demonstration 3 Chair: TBC**	Larch lecture theatre	**Classroom Demonstration 4 Chair: TBC**	Rowan studio
14:15-14:45	29. Co-Designed Engineering Laboratories: A Practical-Based Learning Model Integrating Peer Feedback for Inclusive and Experiential Skill Development (40 minutes)		43. Refrigeration Remote Lab and Calc App for Thrmodyanmics	
14:45-15:15			25. Practical Vehicle Automation using CAN	
15:15-15:45	32.Rubric grades simplification and marking scheme-feedback unification for best practice in (Chemical) Engineering Laboratories (40 minutes)		39. Supporting student-led, self-directed learning with a new structural dynamics remote laboratory	
15:45-16:00	**Sponsors Talk: Practable.io, E4C & School of Engineering**			Alder Lecture Theatre
16:00-16:45	**Demonstration Sessions & Coffee Break, Networking Sessions, Sponsors' Interactions and Posters**			Alder Lecture Theatre
16:00-16:45 16:00-16:45 16:00-16:45 16:00-16:45 16:00-16:45	37. Bubble/Ballon Bursting for Exemplifying Fluid Dynamics to Pupils 22. Design and Implementation of a Low-Cost CAN-Based Adaptive Cruise Control 46. From student project to teaching practice: A green hydrogen generation and utilisation activity for Electrochemical Engineering Education			Alder Lecture Theatre
16:45-17:00	**Concluding Remarks**			Larch lecture theatre
17:00	**Lab Visits AND/OR Departure**			Around Campus