Scratching the surface - Critical Thinking in Chemical Engineering Education (IChemE EdSIG Online Symposium)

Free online event for IChemE members
Date: 18 November 2026 | 8:15 –11:00 (GMT)

Programme

Time	Format	Details
08:15-08:20		Welcome – *Michaela Pollock, University College London*
08:20-09:15	**Perspectives of Critical thinking in the age of AI** 4 x 3min flash presentation & discussion 15 min pre-prepared questions Followed by 25 min panel discussion	Chair – *Abdul Sharif & Cindy Lee* Jarka Glassey (Newcastle University) Wadoud Hazineh (Cavendish Nuclear) Eleanor Akers (Innovative Energy Consultants) Lewis Phillips (University of Strathclyde)
09:15-09.25	BREAK	
09:25-10:20	**Experiences of critical thinking, AI and assessment in Chemical Engineering Education and Beyond** 3 x 12 min presentations followed by panel Q&A with presenters (20 min)	Chair – *Marta Granollers-Mesa* ***Analysing student use of GenAI to target Critical Thinking training,*** Catherine Collett & Eleni Routoula (University of Sheffield) ***Ethics teaching as a route to catalysing critical thinking,*** Mark Haw (2026 Morton Medal Winner) ***Pushing Back with AI: Teaching Students to Think More Critically,*** Betty Tsang (National University of Singapore)
10:20-10:30	BREAK	
10:30-11:00	**Breakout Discussions: Critical Thinking in Education and Industry** 20 min breakout room discussion followed by 10 minutes debrief	*Chair – Michaela Pollock & Maryam Malekshahian* 2 breakout rooms: **Learning & Assessment** **Industry & Professional Practice**