

Early career session | ICCL2026

Time	Duration	Session	Purpose
09:30	Panel on Research careers: opportunities and challenges		
	10 min	Various career journeys	Sharing sessions by panellists on key career decisions, opportunities, and setbacks, and the timelines of their careers from post-PhD onwards.
	20 min	Discussion	Short panel discussion covering broader career development: building a profile, collaborations, networking, finding your niche, balancing research directions, etc. Questions from the audience
10:10 – 10:40	Speed Mentoring		Mentors distributed across tables. Participants rotate every ~4 minutes for short one-to-one conversations.
10:40 – 11:00	Coffee Break		
11:00	Focus Panels: Future of Chemical Looping		
11:00– 11:20	Focus Panel 1: Chemical Looping and AI		The use of AI for material discovery, modelling, optimisation and data-driven research. <i>Speakers TBC + questions</i>
11:20– 11:40	Focus Panel 2: New Measurement Techniques to Advance Chemical Looping Studies		Operando techniques, advanced characterisation, imaging, spectroscopy, synchrotron or neutron techniques, etc. <i>Speakers TBC + questions</i>
11:40– 12:00	Focus Panel 3: Future Reactor Designs in Chemical Looping		Beyond packed beds and fluidised beds: plasma, moving beds, counter-current designs, photocatalytic effects, etc. <i>Speaker Yaoyao Zheng, Martin Keller + questions</i>
12:00 – 12:40	Active session: What is your next great paper? Tackling Key Challenges in Chemical Looping through collaborative research		

12:00 – 12:05	5 min	Group work introduction and challenge allocations (size of groups depends on the number of signups)	
12:05 – 12:20	15 min	What do we gain by working together?	Groups work on identifying strengths and gaps, approaches to tackle the allocated challenge question
12:20 – 12:30	10 min	How to structure your work for straightforward publication?	Pitfalls and tips in publishing research papers (papers, narrative, figures) <i>Speakers: Editors from journals</i>
12:20 – 12:30	10 min	Closing: The 5-Year Challenge	Each group shares its top research question and one key career takeaway; brief final reflections.