

**ECRICE 2024 – 16 European Conference on Research in Chemical Education**

6 September				
9.00-19.00 Welcome Desk: Information and Registration				
Time -table	Activity			
09.30-10.10	<b>Keynote 3</b> Moderator: Isabel Ribau Agustian Hendra University of Copenhagen Room 204 <i>Explore work in the chemical laboratory</i>			
10.10-10.30	<b>Coffee break/poster session</b>			
10.30-12.10	<b>Symposium 2: International teacher survey on green and Sustainable Chemistry Practical Activities</b> Organizer: Madeleine Schultz and Seamus Delaney Chair: Madeleine Schultz Speakers: Seamus Delaney, Madeleine Schultz, Iztok Devetak, Dusica Rodic, Marina Stojanovska Discussant: Madeleine Shultz Room 204			<b>Workshop</b>  <b>W8 - The cold Pack: Laboratory work with elements of formative assessment for lower secondary school (Room 201)</b>
12.10-13.30	<b>Lunch</b>			
13.30-14.10	<b>Keynote 4</b> Moderator: Teresa Santos Silva Ana Isabel Aguiar-Ricardo NOVA Lisbon University Room 204 <i>Catalyzing Change: Teaching Chemistry for Sustainable Development</i>			
14.10-15.50	<b>Symposium</b> <b>Symposium 3: Chemistry Education in the digital age-(missing) expectations, opportunities and challenges</b> Organizer: Carolin Flerlage Chair: Shelley Rap Speakers: Itzik Aroch, Ron Blonder, Karolina Broman, Carolin Flerlage, Stefanie Lenzer, Ilka Parchmann Discussant: Ilka Parchmann Room 204			<b>Workshop</b>  <b>W9 - An Arts-Integrating Approach to Bring neuroeducation to The Chemistry Classroom (LAB)</b>  <b>W10 - Technology Enhanced Problem-based Learning in the Chemistry Classroom (sala 201)</b>
15.50-16.10	<b>Coffee break/poster session</b>			
16.10-17.50	Room 111	Room 110	Room 107	Room 112
4 Parallel sessions   2 Workshop	Moderator : Isabel Ribau OP45- Challenges in drawing students to pursue Chemistry in Higher Education. Isabel Ribau OP49- Students' and scientists' conceptions of the supply risk dimension of critical raw materials Yannick L. Legscha	Moderator : João Mouro OP46- Classroom implementation of an AI voice assistant for chemistry lab learning in secondary school. Marvin Rost OP50-Digital and complexity-differentiated learning modules – a step towards adaptive learning? Nicolai ter Horst	Moderator: Rachel Mamluk Naaman OP47- A Web-Based Tool to Promote Self-Regulated Problem-Solving in Chemistry Lessons Leonie Jasoer OP51- Delicious: Promoting students assessment competencies through an inquiry-based learning student laboratory on food chemistry Inês Mateus OP55- Exploring the impact of an intervention on plastics and bioplastics on Israeli pre-service science teachers' green chemistry and sustainability awareness and their attitudes towards environmental education Ahmad Basheer	Moderator : Teresa Santos Silva OP48- Investigating students' conceptions on molecular orbital theory via concept map analysis David Johannes Hauck OP52- Advancing Laboratory Education in Chemistry via Mapping Students' Expectations and Actual Experience Tadeas Matecha OP56- Difficulties of first-semester students in redox- and electrochemistry Jasmin Kneuper
	OP53- Developing an operational model to address attractiveness of Science Career Awareness. Jack Holbrook	OP54- Integrating AI into Chemistry Education: Experiences and Concerns of Chemistry Preservice Teachers Using AI Tools During Their Teaching Practicum Elif Özdengelen	OP59- New results in improving experimental design skills Luca Szalay	OP60- Analyzing Students' Conceptual Progression of Chemical Reactions: A Cross-age Study Emine Adadan
	OP57- Fast and Furious? Students' Quality Demands for Successful Science Communication on Social Media Alina Majcen	OP58- Generative Artificial Intelligence (GenAI) as the Artist of Chemistry Visuals: Chemistry Preservice Teachers' Reflections on Visuals Created by GenAI Sevil AKAYGUN	OP62- Enhancing Diversity and Inclusion in Science Teacher Education: Insights from a Diagnostic Study. Laura Naumann	<b>W5 - Sustainable Chemistry in the School Laboratory (LAB)</b>
	OP61--Empowering Green Changemakers: The All Aboard Project's Journey Towards Sustainable Education Ángela Gordino	OP62- Interactive online learning environment for self-regulated learning in chemistry Florian Trauten		
Sightseeing (Walking on the beach and surfing)	20.30-22.30 Conference Dinner			