

Monday April 29

8:00-8:45	Registration	
8:45-9:00	ICG SpringSchool introduction by organizing committee	
	Industrial issues roadmap to reduce CO2 emission	
9:00-9:30	Introduction by glass for Europe	Bertrand Caze
9:30-10:00	What have the Romans ever done for us? Two thousand years of glass recycling	Nadine Schibille
10:00-10:20	Decarbonized energy roadmap - Moving away from fossil fuels	Emre Dumankaya, Canalp Kulahlı
10:20-10:50	Coffee break	
10:50-11:30	Toward decarbonized specialty glass	Allison Yake
11:30-12:10	Decarbonization Roadmap applied to the Glass Fiber Industry	Anne Berthereau, Eric Dallies
12:10-12:50	Technical glass opportunities for a sustainable future and collaboration with academia	Jeff Kohli
13:00-14:30	Buffet at the hotel	
	What is a Glass?	
14:30-15:10	Basic data on silicate and borosilicate glass structure	Laurent Cormier
15:10-15:50	Basic data on glass structure and its influence on viscosity	Daniel Neuville
15:50-16:30	Glass and glass-ceramic formulation: an introduction	John Mc Cloy
16:30-17:00	Coffee break	
17:00-17:40	From melt to glass fibers	Yuanzheng Yue
17:40-20:00	Teasing poster (3 minutes maximum for presentation, students only)	
20:00-22:00	Buffet at the hotel	

Tuesday April 30

What are the current furnace technologies and technical solutions to reduce CO2?

8:30-9:10	The usefulness of modelling for improving energy efficiency	Malte Sander
9:10-9:50	Electrical melters : principle, design and limitations	Ankith Santosh
9:50-10:30	The decarbonation pathway of a borosilicate glass furnace: recorded successes and future challenges	Johann Brunie
10:30-11:00	Coffee break	
11:00-11:40	Current technologies nuclear waste vitrification furnaces/Technology and issues	Emilien Sauvage
11:40-12:10	Open discussion	
	How to optimize the glass and glass-ceramic process?	
12:10-12:50	Glass synthesis: Focus on Industrial and nuclear glasses	Sophie Papin and Richard Pokorny
13:00-14:30	Buffet at the hotel	
14:30-15:10	Structural design of borosilicate-based nuclear waste glasses	Ashutosh Goel
15:10-15:50	How the redox play for structure and properties: Implication for glass industry	Daniel Neuville
15:50-16:30	The role of chemical diffusion in glass processes and related challenges for glass sustainability	Emmanuelle Guillard
16:30-17:00	Coffee break	
17:00-17:40	Modern computational methodologies for new Glass development	Alfonso Pedone
17:40-18:20	Accelerating glass discovery with artificial intelligence and machine learning	Anoop Krishnan
20:00-22:30	Poster session #1 & Cocktail dinner	

Wednesday May 01

What role does glass play in the energy transition? & a focus on mechanical properties

9:00-9:40	Glass for batteries	Virginie Viallet
9:40-10:20	Self-healing high temperature functional glass for hydrogen fuel cell sealing	Francois Mear
10:20-11:00	Challenge and progress in solar mirrors and glass for greenhouses	Mohammad Shayesteh
11:00-11:30	Coffee Break	
11:30-12:10	Observing mechanical and elastic properties of glasses by spectroscopy methods: toward weight-	Dominique de Ligny
12:10-13:00	Open discussion	
13:00-14:00	Buffet at the hotel - Free afternoon	
20:00-22:00	Buffet at the hotel	

Thursday May 02

What are the Primary raw material issues and the LCA methodology?

8:30-9:10	Responsible and secure supply of raw materials	Paul Notom
9:10-9:50	Life Cycle Analysis approaches developed for glass sustainability	Anna Maria Ferrari
	What are the technical solutions to reduce CO2 emission?	
9:50-10:40	Sustainable raw materials for glass production	Ateş Gösterişlioğlu,
10:40-11:10	Coffee break	
11:10-11:50	Sustainability in glass manufacturing: Contribution from silica and silicates	Hans Van Limpt
11:50-12:30	Schott Climate Neutral 2030 - A way to decarbonization in the glass industry	Wolfgang Schmidbauer
12:30-13:10	Various ideas and technical foundations for achieving carbon neutral glass melting	Maehara Terutaka
13:10-14:30	Buffet at the hotel	
14:30-16:30	Poster session # 2	
16:00-16:30	Coffee break	
	How to optimize the energy efficiency and the foaming?	
16:30-17:10	The usefulness of modeling for improving energy efficiency	Miroslav Polak
17:10-17:50	The contribution of thermodynamics in determining the parameters of elaboration and energy	Corinne Claireaux
17:50-18:30	Refining techniques and developments	Franck Pigeonneau
20:30-23:00	Banquet - Cocktail dinner - Best student poster prize	

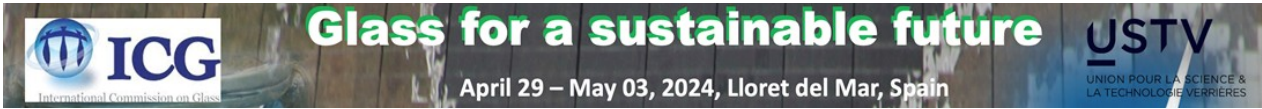
Friday May 03

9:00-9:20	Improving container glass collection & recycling: a European perspectives (recorded presentation)	Vanessa Chesnot
9:20-11:00	Draft a roadmap: Glass for a sustainable future: How can glass scientists help meet the challenge?	
11:00-11:30	Conclusion & 11:30-12:30 Brunch	

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