International Summer School - HYDROGEN Nancy 2025 – *Materials & Transfer Phenomena in H2 Technologies*

Day/Venue	Monday 7th (FST)		Tuesday 8th (FST)	Wednesday 9th (FST)	Thursday 10th (FST)	Friday 11th (FST)
		Chair:				
		8:30 – 9:30	**Fuel cell & Electrolyzer: fundamentals of electrochemistry & transfer phenomena** (M. Chatenet, LEPMI)	**HYCar Project: from technical aspect of fuel cell-supercapacitors source in a car to is environment** (F. Lapicque, LRGP)	**Hydrogen production – Water eletrolysis** (John Cockerill)	**Membrane for fuel cells/electryzers: state of art & issues** (C. Iojoiu, LEPMI)
		9:30 – 10:30	**Electrode Materials** (F. Micoud, CEA Liten)	**Visit of HY2Car Platform**	**Hydrogen production and storage** (A. Maynadier, FEMTO-ST)	**NMR/IRM Techniques for Studying Transport Phenomena in Ionomer Membranes** (**J-C. Perrin, LEMTA**)
11:00	**Reception & Registration**	10:30 -11:00	**Coffee break**			
		11:00 – 12:00	**Impedance Spectroscopy as tool to characterize transfer phenomena** (J. Mainka, LEMTA)		**Carbon materials for H2 storage & compression: state of art & issues** (G. Sdanghi, LEMTA / V. Fierro, IJL)	**Hydrogen economy** (C. Mégy, CEA I-tésé)
12:00 – 13:30	**Lunch Buffet**	12:00 – 13:30	**Lunch break**			
Chair:		Chair:				
13:45 – 14:00	**Opening Session**					
14:00 – 15:30	**FCLAB presentation** (*David Bouquain, Femto-ST*)	13:30 – 15:30	**Pitch presentation**	**City tour**	**Visit of LEMTA Platform & Workshop**	
	FRH2 (**Daniel Hissel - visio**)					
	H2 Strategies (France 2030 & PEPR-H2…): issues & projects (H. Burlet , *CEA -visio*)	15:30 – 16:00	**Coffee break**		**Coffee break**	
15:30 – 16:30	**Materials for fuel cell & electrolyzer: Industrial point of view** (M. Daoudi,Alstom)	16:00 – 18:00	**Pitch presentation**		**Visit of LEMTA Platform & Workshop**	
16:30	**Welcoming COCKTAIL**			**Gala Dinner**		