

ELITECAT 2026	PROGRAM OF THE INTERNATIONAL SUMMER SCHOOL ON CATALYSIS	ELITECAT 2026
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All courses in blue will take place at room Fontannes (DARWIN building) on the LyonTech La Doua Campus

Monday, July 6th	Tuesday, July 7th	Wednesday, July 8th	Thursday, July 9th	Friday, July 10th
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	Morning sessions - Theoretical Courses - Campus Lyon Tech La Doua - Darwin Building - Room Fontannes			
	9:00 AM - 10:15 PM	9:00 AM - 10:15 PM	9:00 AM - 10:15 PM	9:00 AM - 10:15 PM
	Synthesis and Characterization of Metal-Organic Frameworks Jorge Rodirguez Navarro	Advanced applications of MOF materials for adsorption and catalysis Jorge Rodriguez Navarro	The use of CO2 as feedstock for syngas and e-fuels production Leonarda Liotta	Valorisation of biomass by electrocatalysis Jesus Gonzales Cobos
	10:15 - 10:30 AM Coffee/Tea Break	10:15 - 10:30 AM Coffee/Tea Break	10:15 - 10:30 AM Coffee/Tea Break	10:15 - 10:30 AM Coffee/Tea Break
	10:30 AM - 11:45 AM	10:30 AM - 11:45 AM	10:30 AM - 11:45 AM	10:30 AM - 11:45 AM
	Numerical approach to heterogeneous catalytic processes and their deactivation Jose Luis Valverde	In-situ and operando XPS for interface characterization applied to catalysis and electrochemistry Luis Cardenas	Plasma as agent for catalytic reactions Patrick Da Costa	Circular Economy Strategies for Adsorbent and Catalytic Materials: From Waste to Functional Materials Antonella Gervasini
	11:45 AM - 01:00 PM	11:45 AM : 1:00 PM	11:45 AM : 1:00 PM	11:45 AM : 1:00 PM
	Process safety with a focus on thermal runaway Sebastien Leveneur	Investigation of morphological and redox prperties of heterogeneous catalysts by interaction with probe gaseous molecules Leonarda Liotta	LUNCH BREAK DOMUS building	Decarbonization strategies for heavy duty commercial vehicles : Aftertreatment systems and Alternative fuels Eduard Iojoiu
	1:00 AM - 2:00 PM	1:00 PM - 2:00 PM	1:00 - 6:00 PM Practical courses and theoritical course	1:00 PM - 1:30 PM
	LUNCH BREAK DOMUS building	LUNCH BREAK DOMUS building		Evaluations and Conclusions Anne Giroir-Fendler Jose Luis Valverde
From 1:30 PM WELCOME DESK Darwin Building- Room Fontannes	2:00 - 6:00 PM Practical courses and Flash presentations	2:00 - 6:00 PM Practical courses and Flash presentations	Campus Lyon Tech La Doua Darwin Building - Room Fontannes	LUNCH BOX to take away
2:00 - 2:15 PM	Campus Lyon Tech La Doua Darwin Building - Room Fontannes	Campus Lyon Tech La Doua Darwin Building - Room Fontannes	PRACTICAL 3 Kinetic modeling (spyder python application) Sebastien Leveneur Darwin building	
Introduction Anne Giroir-Fendler	PRACTICAL 1 Analysis data Jose Luis Valverde Jesus Gonzales Cobos Darwin building	PRACTICAL 2 Visit of Characterisation platform at IRCELYON Leonarda Liotta Luis Cardenas Darwin then Pretre Building		
2:15 - 3:45 PM				
Reaction kinetics and chemical reactors Jose Luis Valverde				
3:45 - 4:00 PM Coffee/Tea				
4:00 - 5:30 PM				
Electrocatalysis: From fundamentals to applications Jesus Gonzales Cobos				
4:00 - 4:15 PM Coffee/Tea Break				
4:15 -5:45 PM				
4:45 - 5:00 PM Coffee/Tea Break	4:45 - 5:00 PM Coffee/Tea	Acidic and Basic Sites on Catalytic Surfaces: Origins and Advanced Characterization Antonella Gervasini		
5:00 - 5:45 PM	5:00 - 5:45 PM			
5:30 - 5:45 PM	FLASH PRESENTATIONS Leonarda Liotta Anne Giroir-Fendler		FLASH PRESENTATIONS Jose Luis Valverde Anne Giroir-Fendler	
Practical courses and Flash Presentaion Informations				