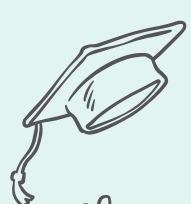


ECS-SUMMER SCHOOL 2025



TIME	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	
	ARRIVAL	TECHNOLOGY	IC DESIGN	INTEGRATION	SYSTEMS	WRAP-UP	
9:00		Welcome (S. Imre, BME)	Sensor interface (N. Moschini, ST)	MEMS technologies (O. Lauer, Bosch)	Introduction of the day (P. Azzoni, INSIDE-IA)	Debate: Ethical aspects of AI (moderated by P. Jaspers, TU Eindhoven)	
9:10		Moore's law (F. List, ASML)					
9:45		Semiconductors nanofabrication (Y. Le Tiec, CEA-LETI)					Power IC (A. Mariconti, F. Lusardi, Infineon)
10:30		Coffee break  					
11:00		Towards Net-Zero emission (M. Östling, KTH)	Digital design (V. Nardone, ST)	Printed technologies (A. Krzyzanowska, DTI)	Hands-on session 1: Build your own weather station (P.Varga, BME)		 Graduation
11:50		Infrared detectors technologies (L. Rubaldo, Lynred)	Semiconductor Supply Chain (A. Gaudron, Mines ParisTech)	Demo session 1			
12:30		 Lunch break				Student feedback followed by lunch	
13:00							Lunch break
14:00		Building a Si Quantum Computer (G. Elbaz, Quobly)	Groups C & D: Semilab visit Groups A & B: Clean room & PCB assembly lab visits	Safety in zero-emission vehicles: MEMS thermal sensors for hydrogen detection (S. Emperhoff, Infineon)	Hands-on session 2: Connecting weather station to AH cloud (J. van Deventer, LTU)		
14:45		Groups A & B: Semilab visit Groups C & D: Clean room & PCB assembly lab visits		Integrated Microsystems for One Health (X. Muñoz, IMB-CNM-CSIC)			
15:30	Coffee break  			Coffee break 			
16:00	Demo session 2			Machine Learning at the Edge with ARM (L. Capogrosso, IT:U) Day Closing Remarks (P. Azzoni, INSIDE-IA)			
16:50	Hands-on sessions preparation						
17:30	Break 						
18:00	Ice-breaker	Quizz game	Sports (volleyball, football, softball)	Career testimonies	Cruise on the Danube + Dinner	 	
18:45	Setting the scene (P.Cogez, AENEAS)						
19:30	 Dinner						