

SUSTAIN-E Summer School on Sustainable Electronics 16 - 20 June, 2025 - Grenoble, France

Monday 16/06 afternoon	Speakers	Tuesday 17/06	Speakers	Wednesday 18/06	Speakers
12:30 - 1:00 pm: Check-in		8:30 am - 12:00 am: Raw Materials, Recycling Techniques & Ecodesign Methods		8:30 am - 10:00 am: More sustainable PCB and clean room technologies	
1:00 pm - 1:30 pm: Welcome Speech		8:30 am - 9:15 am - Ecodesign methods and indicators - Maud Rio (G-SCOP)		8:30 am - 9:15 am - How to rethink a sustainable semiconductor manufacturing - Laurent Pain (CEA-Leti)	
Yassine Lacknech (UGA) Franz Bruckert (Grenoble INP) Youla Morfouli (GreenChips-EDU) Jean Christophe Crebier (EECONE) Thierry Baron (Labex Microélectronique)		9:15 am - 10:00 am - Sustainability and Circular Economy for the Manufacturing Industry - Valentina Beghetto (University of Venice)		9:15 am - 10:00 am - PCB assemblies on sustainable substrates - Attila Geczy (Budapest University of Technology and Economic)	
		10:00 am - 10:30 am: Break + Poster session		10:00 am - 10:30 am: Break + Poster session	
		10:30 am - 11:15 am - Circularity and EEE: current situation and challenges - Carole Charbuillet (ENSAM)		10:30 am - 12:00 am: Power electronics session (1st part)	
		11:15 am - 12:00 am - E Waste Impact reduction and circular Economy of Critical Raw Materials - Serge Kimbel (Weeecycleing)		10:30 am - 10:40 am - Ice breaker	
		12:00 am - 1:30 pm: Lunch break		10:40 am - 11:20 am - Beyond the quest for performance in power electronics - Jean-Christophe Crébier (EECONE)	
1:30 pm - 3:00 pm: Introduction to sustainable electronics		1:30 pm - 3:30 pm: Microelectronics session (1st part)		11:20 am - 12:00 am - Analysis and decision support of circular economy strategies in power electronics - Tugce Turkbay-Romano (G2Elab)	
1:30 pm - 3:00 pm - Challenges and issues for designers toward sustainable electronics - Maud Rio (G-SCOP)		1:30 pm - 1:40 pm - Ice breaker		12:00 am - 2:00 pm: Lunch break	
		1:40 pm - 2:30 pm - Circular economy in the microelectronics industry: Selected aspects - Martin Niessner (Infineon - Reuse)		Activity Street Art Visit (Registration required)	
		2:30 pm - 3:30 pm - Reliability of electronics: From safety-critical systems to environmental sustainability - Chiara Sandionigi (CEA-LIST)		2:00 pm - 2:30 pm: Journey to the meeting point - Mr.Bricolage, Centre Commercial Caserne de Bonne, 48 Bd Gambetta, Grenoble	
3:00 pm - 3:30 pm: Break + Poster Install		3:30 pm - 4:00 pm: Break + Poster session		2:30 pm - 4:00 pm: Street Art Visit, Districts Championnet & Hoche	
3:30 pm - 5:00 pm: Life Cycle Thinking: Methodologies		4:00 pm - 5:00 pm: Ecosystems and Education			
3:30 pm - 4:15 pm - Integrating Lifecycle Thinking in technology development - Sara Carniello (Joanneum Research)		4:00 pm - 5:00 pm - The importance of integrating green and sustainable electronics contents into our training courses - Klaus Hofmann (TU Darmstadt - GreenChips-EDU) *			
4:15 pm - 5:00 pm - Life Cycle Thinking: Methodologies to assess the environmental impacts of electrical systems - Lucas Riondet (EECONE)					
5:00 pm - 6:30 pm: Industrial case studies on sustainable electronics		5:00 pm - 6:30 pm: Industrial case studies on sustainable electronics		Gala Evening (Registration required)	
5:00 pm - 5:30 pm - Introduction to Digital Product Passport (DPP) - Jean-François Berrée (CEA-LIST)		5:00 pm - 5:30 pm - How Can Engineered Substrates Play a Key Role For a More Sustainable Electronic Industry ? - Eric Dominguez (Soitec)		6:30 pm - Meeting Point: Cable Car Station, 3 Quai Stéphane Jay, Grenoble. Journey in cable car up to the Bastille	
5:30 pm - 6:00 pm - Sustainable Production of Membrane Switches for Consumer Electronics: Integrating Ecodesign Tools for Greener Electronics - Anna Krzyzanowska (EECONE) *		5:30 pm - 6:00 pm - Eco-design in STMicroelectronics: a Sustainable Journey -Emilie Chaix & Cyril Colin-Madan (ST-Microelectronics)		7:00 pm - 10 pm: Dinner at "Chez Le Père'Gras" Restaurant, 90 Chemin de la Bastille, Le Glacis, La Tronche	
6:00 pm - 6:30 pm - Green Energy - Vinko Zeleničić (Končar)		6:00 pm - 6:30 pm - LCA assessment of PCBs - Thomas Krivec (AT&S) *		Before midnight: Journey in cable car back down	
6:30 pm - 7:30 pm: Panel on the industrial case studies		6:30 pm - 7:30 pm: Panel on the industrial case studies			
7:30 - 10:00 - Dinner & Activity "Repair Café"		7:30 - 10:00 - Dinner & Activity "Serious Game on Sustainable ICT"			

Thursday 19/06	Speakers
8:30 am – 10:00 am: Microelectronics session (2nd part)	
8:30 am - 9:15 am - The environmental impact of IC technologies - Cedric Rolin (IMEC)	
9:15 am - 10:00 am - Perspectives on the environmental impacts of semiconductors: learning from complementary approaches Thibault Pirson (UCLouvain) *	
10:00 am - 10:50 am: Break + Poster session	
10:50 am - 12:00 am: Sustainable RF circuits introduction & PCB advanced technology	
10:50 am - 11:00 am - Ice breaker	
11:00 am - 12:00 am - Introduction to Sustainable RF circuits Nhu-Huan NGUYEN (Croma)	
12:00 am - 1:30 pm: Lunch break	
1:30 pm - 3:00 pm: Geopolitics, regulations and economic related to more sustainable electronics (1st part)	
1:30 pm - 2:15 pm - Barriers to more sustainable electronics Karine Samuel (Grenoble INP)	
2:15 pm - 3:00 pm - European Regulation and Standardization activities supporting the sustainability of Power Electronics - Amandine Louise (Schneider Electric)	
3:00 pm - 3:30 pm: Break + Poster session	
3:30 pm - 5:00 pm: Power Electronics session (2nd part)	
3:30 pm - 4:15 pm - Evaluating the environmental impacts of circularity scenarios in power electronics using Life Cycle Assessment - Pierre Yves Pichon (MERCE)	
4:15 pm - 5:00 pm - Parametric LCA (P-LCA) based integrated ecodesign methodology for Power Electronics - Li Fang (G2Elab)	
5:00 pm - 6:30 pm: Industrial case studies on sustainable electronics	
5:30 pm - 6:00 pm - Power electronic circularity in Automotive Olivia Belorgeot & Dominique Martineau (Schaeffler/EECONE) *	
6:00 pm - 6:30 pm - Title TBA - Juan Ignacio Rubio (Schneider Electric)	
6:30 pm - 7:30 pm: Panel on the industrial case studies	
7:30 - 10:00 - Dinner + Activity « Design Fiction - Imagine the future of smartphones » by IRT Nanoelec CHIF & GEM	

Friday 20/06	Speakers
8:30 am – 10:00 am: Geopolitics, regulations and economic related to more sustainable electronics (2nd part)	
8:30 am - 9:15 am - Circular Business Model Christian Wandji (G-SCOP)	
9:15 am - 10:00 am - The challenges of collecting and sorting for recycling of WEEE - Robin Ronceray (ECOLOGIC)	
10:00 am - 10:30 am: Break + Poster session + Exam session	
10:30 am - 11:15 am: Ecosystem building	
European Survey Synthesis - Tugce Turkbay-Romano (G2Elab-EECONE)	
11:15 am - 12:00 am: Conclusion	
Closing Remarks & Satisfaction Survey Alice Caplier (Grenoble INP - Phelma) & Organizing Committee	
12:00 am - 1:00 pm: Closing & meal baskets	