

## SUSTAIN-E Summer School on Sustainable Electronics 2026, Grenoble - France

Monday 15th June	Tuesday 16th June	Wednesday 17th June
12:15 - 12:45 am: Check-in	8:30 - 9:15 am: Raw Materials, recycling: challenges & limitations	8:30 – 10:00 am: Sustainable Power Electronics
12:45 - 1:30 pm: Welcome Speech	Innovative ecofriendly approaches for the recycling of electronic waste (WEEE) <b>Jean Martins (IGE, Grenoble)</b>	Design approaches for power electronics <b>Florentin SALOMEZ, Pierre LEFRANC, Marion ROZEC (G2ELab, Grenoble)</b>
Yassine Lacknech (UGA) Vivien Quema (Grenoble INP) Youla Morfouli (GreenChips-EDU) Jean Christophe Crebier (EECONE) Pascal Xavier (GDR DEFIE, DESIRE4EU) Thierry Baron (LabEx Microelectronics) Francis Balestra (Sinano)	9:15 - 10:00 am: Eco-Design Tools and Methods for Sustainable Electronics	
	Peggy Zwolinski (G-SCOP, Grenoble)	10:00 - 10:30 am: Break
	10:00 - 10:15 am: Break	10:30 - 12:00 am: Geopolitics, Regulations
	10:15 - 11:15 am: Rebound effect	Sustainable electronics in the age of economic coercion <b>Laurent Griot (Grenoble Ecole de Management, Grenoble)</b>
	Some considerations on the rebound effects and the impacts of technological research <b>Bruno Gayral (CEA, Grenoble)</b>	
11:15 - 12:15 am: Poster Session N°1 (3 min presentation)	12:00 - 1:00 pm: Poster Session N)2 (3 min presentation)	
1:30 - 3:00 pm: Ecosystems and Education	12:15 - 1:30 pm: Lunch break	1:00 - 2:00 pm: Lunch break (Packed lunch)
Open educational ecosystems: when fablabs, makerspaces and schools train the new generation of responsible engineers <b>Tommaso Vincenzi (TU Graz/GreenChips, Austria)</b>	1:30 - 4:00 pm: Sustainable microelectronics: new solutions & innovations?	2:00 - 4:00 pm: Social activity
<b>Klaus Hoffman (TU Darmstadt/GreenChips, Germany)</b>	A vision of low-power transistors and devices (neuromorphic) <b>Christophe Loyez (IEMN, Lille)</b>	
3:00 - 3:30 pm: Break	Energy Efficiency in Digital System <b>Sylvain Engels (STMicroelectronics/TIMA, Grenoble)</b>	
3:30 - 5:00 pm: Functional economy and Design for repair	3:00 - 3:15 pm: Break	
Extending the Lifespan of Electronic Products <b>Carole Charbuillet (I2M, Le Bourget-du-Lac)</b>	Low-impact manufacturing processes <b>Jean Alinei (Owntec, Toulouse)</b>	
E-Waste Disassembly System for Component Recovery and Reuse <b>Sébastien Brulais (CEA Leti, Grenoble)</b>	4:00 - 5:00 pm: Panel with the afternoon speakers (Moderator: Thierry BARON)	6:00 - 10:00 pm: Gala Dinner
5:00 - 6:30 pm: Welcome Cocktail		

Hall
Z108 Auditorium
Cafeteria
Exterior

Thursday 18th June
<b>8:30 - 10:00 am: Overview of Sustainable Electronics</b>
The Growing GHG emissions of Generative AI datacenters <b>David Bol (UCLouvain, Belgium)</b>
<b>10:00 - 10:30 am: Break</b>
<b>10:30 - 12:00: Sustainable PCB</b>
PCB assemblies on sustainable substrates <b>Attila Geczy (Budapest University of Technology and Economic, Hungary)</b>
End-of-life management of biosourced PCBs: CircEI-Paper European project approach <b>Nadège Reverdy-Bruas (LGP2, Grenoble)</b>
<b>12:00 - 1:30 pm: Lunch break</b>
<b>1:30 - 3:00 pm: Frugal design / Low-tech / Technological sobriety</b>
The "just enough" mindset and the Arduino ecosystem <b>David Cuartieleles (ARDUINO)</b>
Just enough material for PCB: a focus on copper, through different use cases <b>Vincent Grennerat (CROMA, Grenoble)</b>
<b>3:00 - 3:30 pm: Break</b>
<b>3:30 - 4:15 pm: Implementing Resilience into ICTs</b>
Assessing Service-Life Extension from Retention Strategies in a Circular Economy <b>Sébastien Toussaint (UCLouvain, Belgium)</b>
<b>4:15 - 5:00 pm: Panel with the afternoon speakers (Moderator: Pascal XAVIER)</b>

Friday 19th June
<b>8:30 - 10:00 am: Advances in sustainable electronics</b>
2D Materials: Building Blocks for Sustainable Electronics <b>Alessandro Cresti (CROMA, France)</b>
Advanced steep slope devices for low-power electronics <b>Marco Pala (Università degli Studi di Udine, Italy)</b>
How can heterogeneous integration make electronics more sustainable? <b>Emmanuel Ollier (CEA-LETI, Grenoble)</b>
<b>10:00 - 10:30 am: Break</b>
<b>10:30 - 12:00 am: Panel: Co-developing sustainable electronics with scientists, industrials and civil society (Moderator: Jean Christophe CREBIER)</b>
<b>Nicolas Simoncini (Université de Technologie de Belfort-Montbéliard, France)</b>
<b>Sébastien Toussaint (UCLouvain, Belgium)</b>
<b>David Cuartieleles (ARDUINO)</b>
<b>12:00 - 12:30 pm: Conclusion Closing Remarks &amp; Satisfaction Survey</b>

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