



SUSTAINABLE PRINTED ELECTRONICS 2025



TUESDAY 23RD TO THURSDAY 25TH OF SEPTEMBER 2025

KEDEA BUILDING, ARISTOTLE UNIVERSITY OF THESSALONIKI, GREECE

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WELCOME



TO THE FIRST INTERNATIONAL CONFERENCE ON SUSTAINABLE PRINTED ELECTRONICS 2025

We are pleased to announce the international conference **SPE 2025** – Sustainable Printed Electronics:

Sustainability and Challenges that will be held on the premises of Aristotle University of Thessaloniki, at the KEDEA Building, from September 23rd to 25th, 2025. This event is organised by **EXELISIS** and supported by the **Aristotle University of Thessaloniki (AUTH)**, the **Danish Technological Institute (DTI)** and **AXIA Innovation GmbH (AXIA)**, who are partners in the **SaP EU project**.

Printed electronics (PE) are becoming increasingly prevalent in various aspects of our daily lives, including flexible displays, energy harvesting devices, wearable sensors, smart labels, consumer electronics, and home appliances. Considering that less than 40% of electronic waste is currently recycled in the EU, it is necessary to develop the next generation of PE that are reusable, recyclable, and manufactured from biobased and/or biodegradable materials. SPE2025 will focus on the latest cutting-edge advancements in PE and their applications, with an emphasis on sustainability across their entire life cycle.

We welcome presentations on high-performance ink formulations containing biobased components, including adhesives and solvents, that facilitate the extraction and reuse or recycling of precious metals. Primary, mechanical, and chemical recycling methods, including on-demand de-bonding, will also be discussed. We will demonstrate innovative applications of printed, flexible, and stretchable devices. Finally, we will address the integration of Safe and Sustainable by Design (SSbD) methodologies and circular economy principles in PE.

We look forward to welcoming you to Thessaloniki!

Prof. Dimitrios Bikiaris, Dr. Zachary J. Davis and Dr. Ioanna Deligkiozi
Sustainable Printed Electronics 2025 Chairs

CONFERENCE SESSIONS

Session 1: Printed electronics & manufacturing

Session 2: Advanced Materials for Printed Electronics

Session 3: Ink formulations

Session 4: Recycling of Printed Electronics

Session 5: Sustainability Circularity, SSbD and market

Session 6: Devices and Applications

KEY DATES

Abstract Submission Opens:
15 March 2025

Abstract Submission Deadline:
15 June 2025

Notification of Acceptance:
30 June, 2025

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