1st Edition Conference Series on Additive Manufacturing of Soft Materials

Join us in this five days conference with international speakers adressing the latest progresses on 3D Additive Manufacturing and its main impacts

06.Oct - 10.Oct 2025

Cod. 002-25

Mod.:
Face-to-face

Edition
2025

Activity type
Workshop

Date
06.Oct - 10.Oct 2025

Location
Miramar Palace

Languages
English Spanish

Academic Validity
50 hours

Web
https://3dam-conference.com/

Organising Committee

Description

This conference focusing on Additive Manufacturing (AM) of soft materials will assemble **diverse communities of researchers from both academia and industry**. It plans to cover a broad scope of angles from new printing technologies and the integration of digital design, to multiscale simulations, artificial intelligence and machine learning, multimodality manufacturing methods, material synthesis, multi-material printing, composite manufacturing, and performance engineering materials. AM invites a diverse cadre of researchers, from sustainability scientists and manufacturing engineers to entrepreneurs, as well as drawing on a wide range of materials expertise—from thermosets, vitrimers, and thermoplastics to hydrogels, organogels, and composites— for various AM technologies.

While (AM) is advancing rapidly, the next generation of technologies geared toward soft materials demand the integration of different modalities including rheology, photopolymerization, material science, sustainability and beyond. This will advance the field of AM technologies to fully exploit their potential in fields such as aerospace, transportation, medicine, membrane technology or energy generation and storage. As AM technologies are set to play a crucial role in the advancement of modern manufacturing, it is also increasingly pertinent to consider environmental impacts during the development of smart sustainable materials of the future.

The conference is five days long and will be held in beautiful **San Sebastian**, Spain, **from the 6th to the 10th of October 2025**. In addition to premier talks and oral contributions, the conference has designated time for poster sessions from individuals of all career stages, and a one day **Symposium for Young Researchers (6th of October 2025)** to facilitate the collaboration between a new generation of scientists working in AM technologies.

Objectives

Focus on **the aspects of additive manufacturing/3D printing which are operating a paradigm shift in production**: reduce centralized inventory and production; producing parts with specific properties and personalized functionalities; minimizing waste generation and enabling multi-material combinations.

Build a discussion on the environmental impacts of new technologies during the development of smart sustainable materials of the future.

Assemble diverse communities of researchers from both academia and industry and create a wider dialogue.

Involve a diverse cadre of researchers in terms of fields (sustainability scientists, manufacturing engineers, entrepreneurs) **and career stage.**

Involve a young audience and speakers for the first day symposium, dedicated only to young researchers to facilitate the **collaboration with a new generation of scientists** working in AM technologies.

Provide a **safe environment for sharing research** and ideas through premier talks, poster sessions, social activities and common meals.

Organised by

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Directed by

Haritz Sardon Muguruza

UPV/EHU

Prof Haritz Sardón is Professor in Polymat – UPV/EHU. He is an expert in polymer chemistry, focused on the synthesis of sustainable materials and the chemical recycling of mixed polymers. He has published more than 175 articles in peer-reviewed journals that have received more than 10000 citations with a H-index >55. He has supervised >9 post-docs, 11 PhD students and numerous master students. He is and has been involved in several European projects. Prof. Sardon works in close collaboration with international companies including IBM, BASF, Corbion, ElixPolymers, Wacker. Selected honours and awards include Prize of Excellence Young Researcher in Chemistry by the RSEQ (2021), ACS Macro Letters/Biomacromolecules /Macromolecules Award (2021), and Prize for Excellence of the Young Researcher in Polymers by the GEP (2020).

Place

Miramar Palace

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa