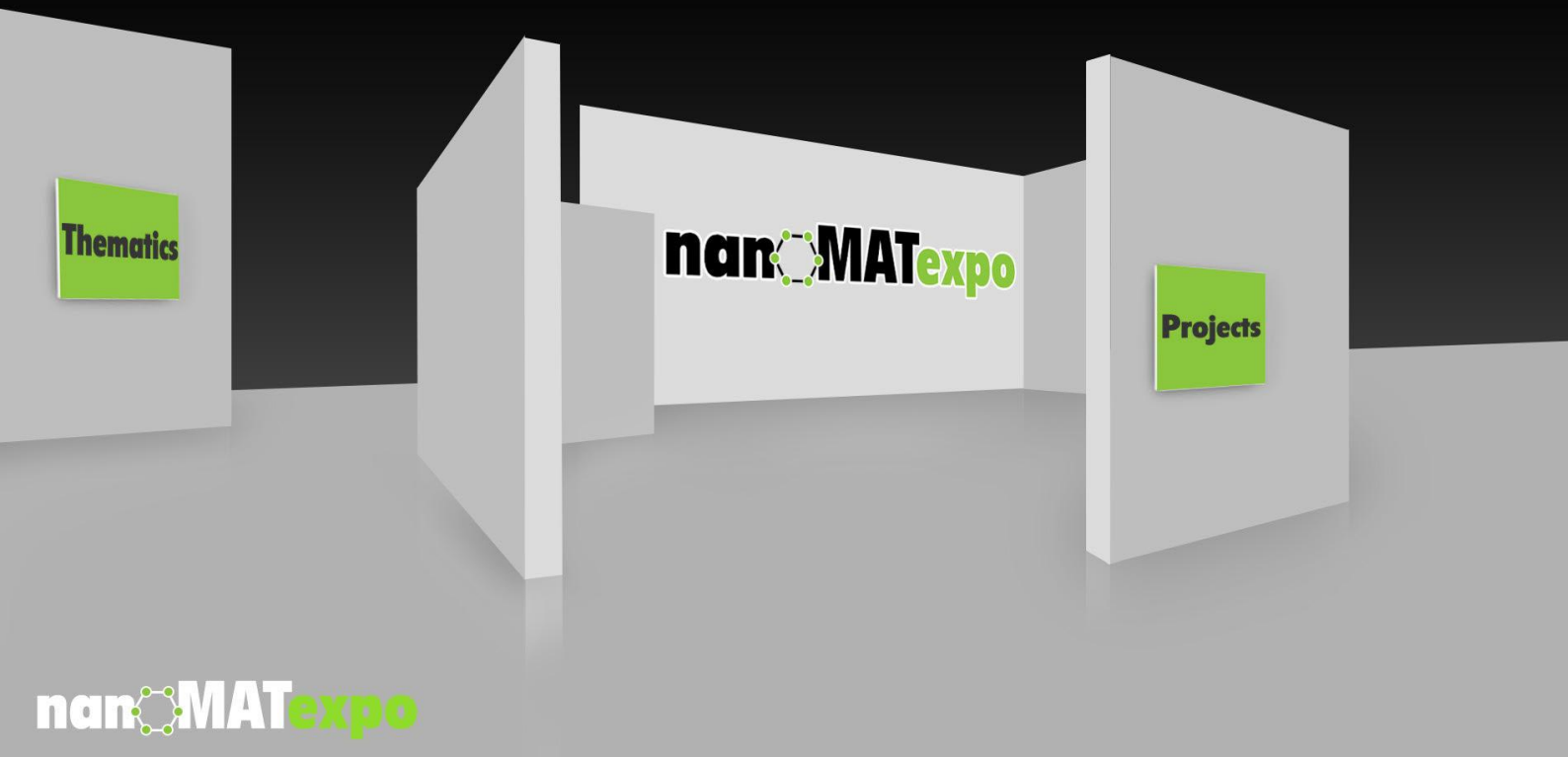


nan  **MAT** **expo**

Newsletter

2025

Supporting Commercialisation of Nanomaterial Applications



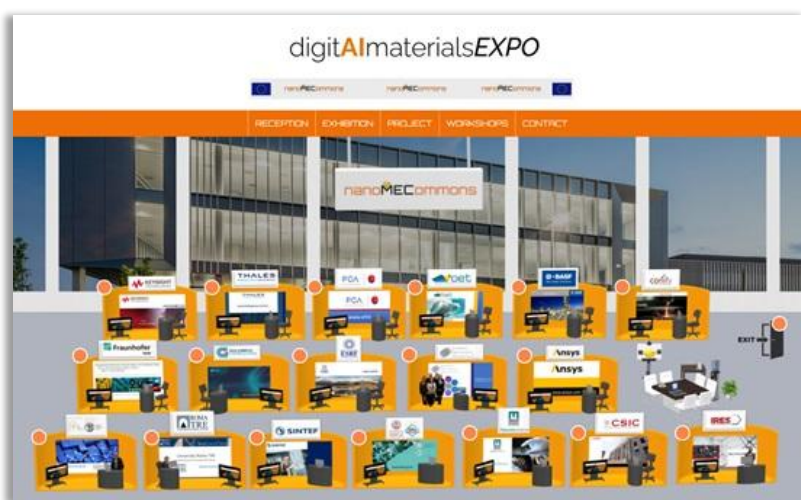
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Communities Supporting Commercialisation of Nanomaterial Applications





















































The nanoMATexpo community platform hosts a wide variety of communities with different thematics such as: regenerative medicine (RegMedExpo); medical devices and Lab-on-a-Chip applications (MedLoCexpo); carbon capture and utilisation (CarboCapturExpo); development of photovoltaics (PV) (SolarPowerEXPO); graphene technologies (GraphenExpo); materials characterisation (MatCHARexpo); and, nano-carbon and metal based conductive materials and composites applications (UltraWirExpo).

These communities give their members, the opportunity to learn about progress in the development of the different technologies related to the specific topics, through annual workshops and newsletters. It also provides them with a virtual area, in a dedicated virtual EXPO booth, where they can showcase their products and services.



nanoMATexpo

CarboCapturexpo CircularEconEXPO digitAlmaterialsEXPO GRAPHENEEXPO MedLoCexpo
 MATCHAREXPO RegMedExpo SolarPowerExpo UltraWirexpo WindPOWERexpo
 3D-PrintingExpo

	Sectors	Projects	EXPO Thematics
	Energy	   	   
	Biomedicine	  	  
	Environmental		
	Circular Economy	 	
	Additive Manufacturing	  	  
	Characterisation		
	Construction		
	Data Management		
	Aerospace	 	 
	Automotive	 	 
	Sport		

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Future Events

Carbon Nanotubes: Synthesis, Manufacturing and Applications Symposium

Date: Wednesday 8th October 2025

Location: Homerton College, Cambridge (UK) – hybrid

The symposium aims to bring together experts from industry and academia to discuss the latest developments, trends and challenges in carbon nanotubes synthesis, manufacturing and applications

development. To register or get more information, please visit the **nanomatexpo** events section following [this link](#).



nan◻**MAT**expo
**Carbon Nanotube
Symposium**

<https://nanomatexpo.net/cnt-symposium/>

News from the Different Communities

Solid State Li-ion battery for electrical vehicles by additive manufacturing Workshop

The nanoMATexpo supported the 1st Open Day workshop of the **AM4BAT** Project. This took place on the 10 January 2025, as a hybrid meeting hosted by the AM4BAT partner UCL at the Engineering Department. There were 36 people who registered to participate in this workshop (15 in person and 21 online). The majority of participants came from

industry. External participants came from the following organisations **SAFRAN, Graphene Engineering Innovation Centre/Manchester University, University of Surrey, Soongsil University, Ansys, Nanografi Nano Technology, Sunlight Group, Carrs Welding, Bac-Cel Ltd and The Catalan Institute of Nanoscience and Nanotechnology.**



The **AM4BAT** project (Grant agreement No 101069756), is an Horizon Europe funded project using additive manufacturing technologies for fabricating 3D lithium-ion batteries. It is focused on the development of all-solid-state batteries made by 3D printing for electric vehicle (EV) applications.




www.nanomatexpo.net/am4bat/

<https://am4batproject.eu/>

High barrier monomaterial flexible films for food contact applications

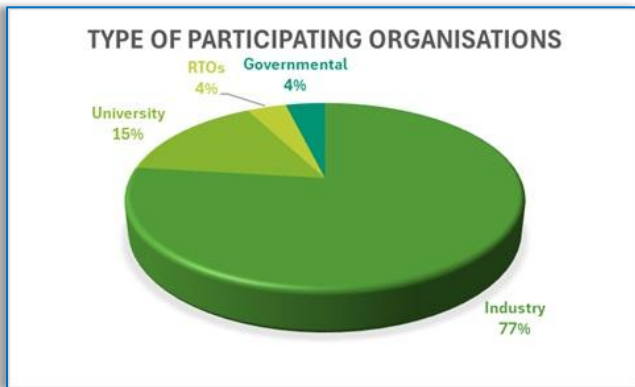
HiBarFilm 2nd Open Day Workshop

The **CircularEconEXPO** Community has been supporting the **HiBarFilm2** Project. HiBarFilm2 is an Innovate UK project, reference: 10015317 which has the objective to achieve the same barrier performance using a mono-materials polyolefin film as the currently used multilayer barrier films. The HiBarFilm2 held their 2nd Open Day in Cambridge at Homerton College on the 11 February 2025, where 42 participants registered (25 in person and 17 online).

The external organisations who joined the workshop were: **Novartis Pharma (CH); Haleon; Avanzare; University of Cambridge; Ourobio / ecogenesis; Innovia Films; one • five; The Co-op; DOMINO; ExxonMobil; BoxWay Packaging Group; Thermo Fisher Scientific; Queen Mary University of London; TMBK; PULPEX; Bimbo Bakeries USA; RESINEX; Bridge @ University of Lincoln; KluraLabs; and Central South University.**

Participants who attended in person were able to browse a small exhibition area set up at the back of the room, where a couple of partners displayed some

information and banners. Participants online, had access to the virtual exhibition at the [CircularEconEXPO](https://hibarfilm.co.uk/).



CircularEcon**EXPO**
HiBarFilm

www.circulareconexpo.net/hbf_expo/
<https://hibarfilm.co.uk/>



Nanomaterials for Energy and Environmental Applications Conference

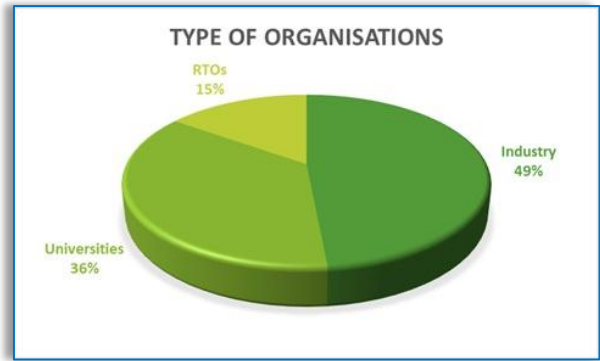
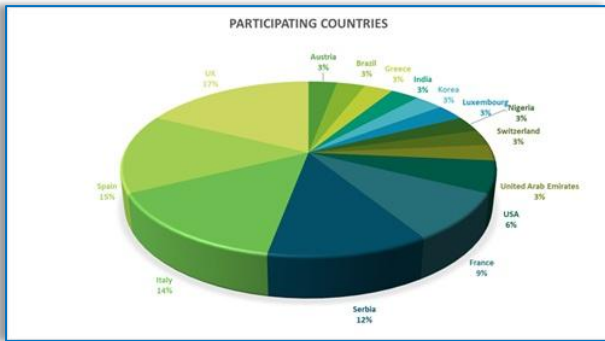
The Nanomaterials for Energy and Environmental Applications Online Conference took place on 7–8 May 2025. A total of 45 participants registered for the event, with the majority coming from industry.

The conference was structured into five sections, beginning with an introductory segment by Cambridge

Nanomaterials Technology, which also included information on upcoming Horizon Europe calls.

Day 1 focused on **Graphene** and **Materials Characterisation**. Day 2 covered **Wind Power**, **Circular Economy** and **Carbon Capture**, and **Solar Power**.





THIS EVENT WAS SUPPORTED BY THE VIRTUAL EXHIBITIONS ON THE FOLLOWING PLATFORMS:



www.solarpowerexpo.net



www.solarpowerexpo.net/cea/



www.solarpowerexpo.net/halocell/



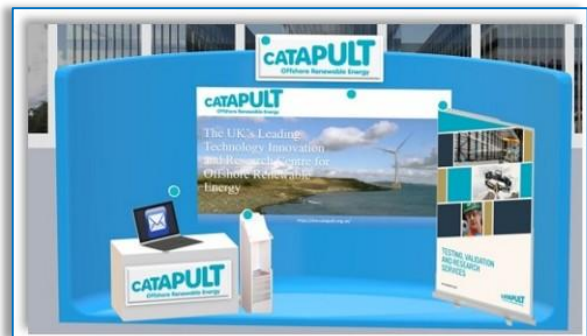
www.solarpowerexpo.net/leitat/

wINDPOWERexpo

www.windpowerexpo.net/



www.windpowerexpo.net/exhibition/aimen/



www.windpowerexpo.net/exhibition/ore/

GRAPHENEXPO

www.graphenexpo.net



www.graphenexpo.net/reception/exhibition/graphenea/



www.graphenexpo.net/reception/exhibition/haydale/



www.graphenexpo.net/reception/exhibition/avanzare

CircularEcon^{EXPO}

www.circulareconexpo.net



www.circulareconexpo.net/cnt/



www.circulareconexpo.net/leitat/

MATCHARE^{EXPO}

www.matcharexpo.net



www.matcharexpo.net/crf/



www.matcharexpo.net/keysight/



www.matcharexpo.net/esrf/

CarbonCaptureexpo

www.carboncaptureexpo.net/



www.carboncaptureexpo.net/leitat/

Bioprinting & Nanomaterials for Biomedical Applications Symposium

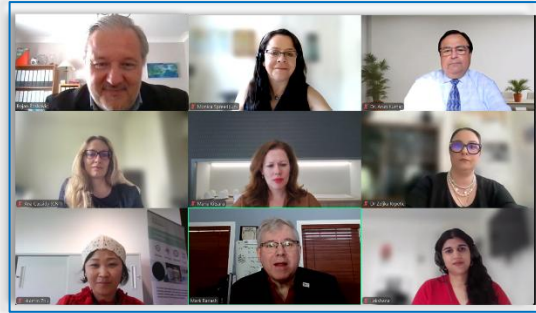
On 11th June 2025, an online symposium on 3D Bioprinting & Nanomaterials for Biomedical Applications was successfully organised. This event focused on advancements in biomedical applications and 3D printing, serving as a platform to connect technology development leaders and end-users for meaningful networking and knowledge exchange.

Eighteen participants registered for this event, representing Europe, Africa, and the Americas. The majority of attendees are from the industry, coming from leading organisations and universities such as: Ansys, BIOEMTECH, CELLINK, Bioprosthesis Inc; Neotericon LLX, University College London, University of Leeds, University of Salford, University of Lincoln,

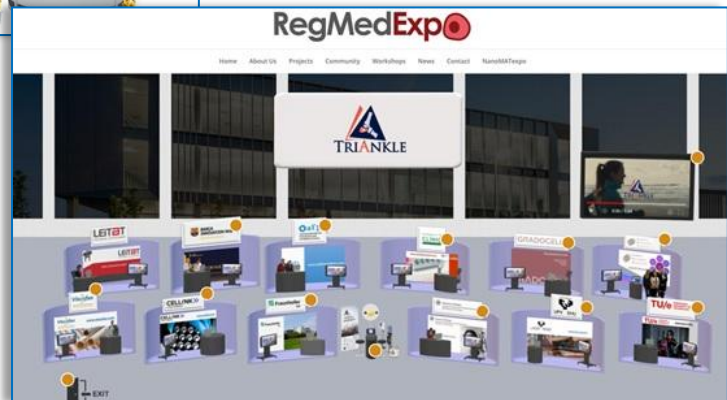
University of Oulu, Umaru Musa Yar` adua University, NanoPrint Innovations Ltd. and Zabala.

The event was also used to promote the TriAnkle project (<https://triankle.eu/> - Grant Agreement 952981). **TriAnkle** is an innovative medical application that aims to improve the junctions and cartilages (and therefore, the overall movement) of the ankle by introducing a tailored, 3D bio-printed collagen-and-gelatin based structure in the affected area.

The event was supported by the [RegMedExpo](#), [3D PrintingEXPO](#) and [DigitAimaterialsEXPO](#) communities.

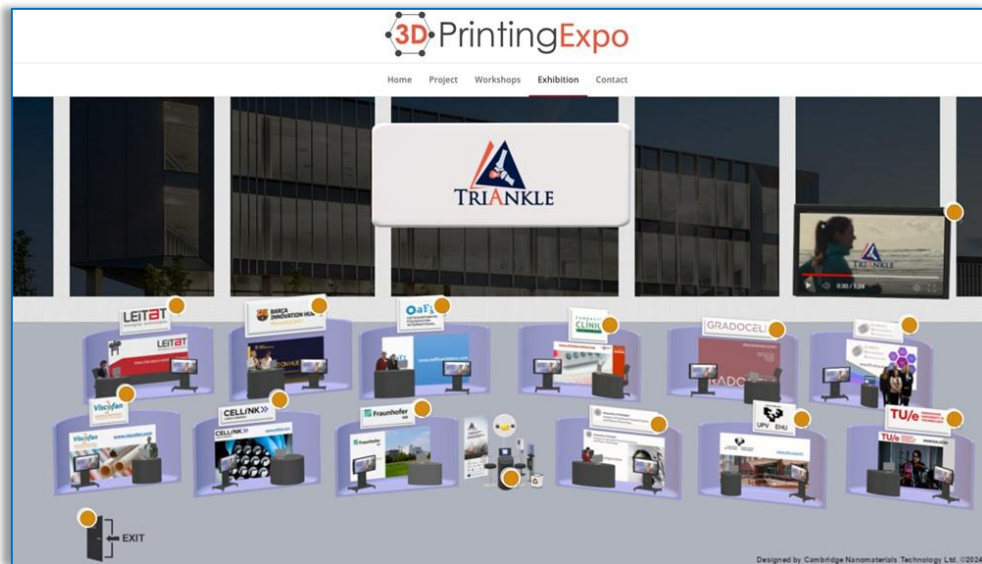


www.regmedexpo.net
www.3dprintingexpo.net



THIS EVENT WAS SUPPORTED BY THE VIRTUAL EXHIBITIONS ON THE FOLLOWING PLATFORMS:

www.3dprintingexpo.net



www.3dprintingexpo.net/exhibition/triankle/

www.regmedexpo.net



www.regmedexpo.net/bioemtech/



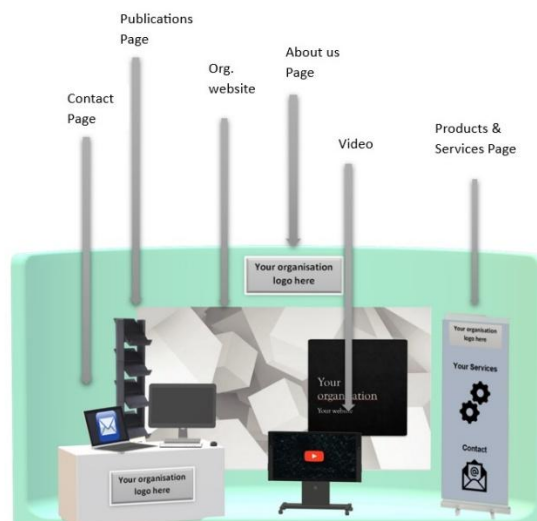
www.regmedexpo.net/cnt/

digit**AI**materials**EXPO**www.digitalmaterialexpo.netwww.digitalmaterialexpo.net/expo/exhibition/ansys/

NanoMATexpo Virtual Exhibition Platform

The nanoMATexpo (www.nanoMATexpo.net) is the virtual exhibition place dedicated to support commercialisation of nanomaterial applications. You can visit the Projects developing various nanomaterials applications or you can browse the exhibition place through various Thematics, such as: ultra-conductive materials, graphene, circular economy, medical devices, materials characterisation among others. Projects and Thematics exhibitions are covering a number of different sectors, including: energy, Biomedicine, Environmental, Circular Economy, Additive Manufacturing, Characterisation, Construction, Data Management, Aerospace, Automotive and Sports.

If you would like for your organisation to have a virtual exhibition booth in one of our existing exhibition halls or pavilions, or if you would like us to prepare a dedicated exhibition hall or exhibition pavilion related to your project or thematic of your interest, we invite you to contact us at: info@CNT-LTD.co.uk We would be happy to arrange for one of our experts to contact you to discuss how we can build a dedicated virtual exhibition space for you according to your needs.



NanoMATexpo Community Membership:



160 Exhibition Booths



11 Exhibition Communities



2000+ Community Network



15+ Innovative Projects



€80M+ Grants Received

Bronze

- Exhibition booth on 1 platform
- 1 online delegate in all events for a year
- 15 min online presentation opportunity at 1 workshop of your choice
- CNT support with government grant proposals and additional supporting services

Silver

- Personal introductions to delegates of your choice
- 1 table in exhibition area for 1 person
- Virtual exhibition booth on up to 2 platforms
- 2 in-person delegates in 1 event and 2 on-line delegates in all events
- 20 min in-person or online presentation opportunity at 1 workshop of your choice

Gold

- Opportunity to influence thematic of 1 workshop and suggest some speakers and invite up to 2 complementary guests
- Personal introductions to delegates of your choice
- 2 tables in exhibition area for 1 person
- Virtual exhibition booth on up to 4 platforms
- 4 in-person delegates in 1 event and 4 on-line delegates in all events
- 20 min online presentation opportunity at 2 workshop of your choice
- 30 min in-person key-note presentation opportunity at 1 workshop

Platinum

Custom made membership package providing additional services on top of the Gold membership package including:

- Membership of our exclusive private NCEM Consortium (Novel Concepts for Enhanced Materials)
- Custom made technology reports, including IP landscape, key players and market reports

- Support with government grants proposals preparation and consortium building
- Custom made training including IP strategy and pitch presentations
- Support with the roadmap development including survey, interviews, workshop
- Design and organisation of custom-made workshops with mapping of the most suitable participants and personal invitations to the workshop

For more information, please visit the “Membership” dedicated page at the [NanoMATexpo](#) or following [this link](#).

Membership packages are open to discussion and can be tailored to individual members’ needs.

If you would like to have more information on how to be part of any of our communities, and have a virtual exhibition desk in one of our halls, we invite you to contact us at info@CNT-LTD.co.uk
We would be happy to arrange for one of our experts to contact you to discuss how we can build a dedicated virtual exhibition space for you, according to your needs.



<https://www.linkedin.com/showcase/nanomatexpo>