CircularEconEXPO

Community Newsletter

Issue 1 - 2024

CircularEconEXPO Community

Welcome to the 1st edition of the CircularEconEXPO Community Newsletter. linked to the CircularEconEXPO platform. This community platform has been developed and managed by Cambridge Nanomaterials Technology Ltd (CNT Ltd), and its Brussels based sister company CNT Innovation, with the aim to support commercialisation of new technologies related to recycling of end-of-life plastic and carbon fibre reinforced polymer (CFRP) components.

This community gives its members, the opportunity to learn about progress in the development of technologies for recycling of end-of-life plastic and carbon fibre reinforced polymer (CFRP) components, through annual workshops and newsletters. It also provides a platform to exchange experience and discussion between technology developers in industry and researchers in academia and other stakeholders, including regulatory bodies and investors.

You could become part of our exclusive virtual community and increase your visibility and business growth opportunities by joining the key market players and vibrant industrial decisionmakers, technology developers and investors. This is an area to showcase your organisation, products and services on your dedicated virtual EXPO booth. If you are interested in becoming a community member and exhibiting at the CircularEconEXPO please send an email to: info@cnt-ltd.co.uk

www.circulareconexpo.net

info@cnt-ltd.co.uk

CircularEconEXPO & Workshop

The CircularEconEXPO & Workshop are meetings held to support the commercialization of new technologies related to the recycling of end-of-life plastic and carbon fibre reinforced polymer (CFRP) components.

The CircularEconEXPO community gives an opportunity to learn about progress in the development of technologies for recycling end-of-life plastic and carbon fibre-reinforced polymer (CFRP) through the different annual conferences. It also provides a platform to exchange experience and have discussions between technology developers in industry, researchers in academia, and other stakeholders, including regulatory bodies and investors.

These events are being organised yearly, in person and/or online. The majority of attendees to these events comes from the industry. For more information on past events, visit the Workshops page.

The CircularEconEXPO has been developed during the H2020 Repair3D Project: Recycling and Repurposing of Plastic Waste for Advanced 3D Printing Applications.

Following the end of the project in 2023, the CircularEconEXPO Community has been open to the partners outside the Repair3D Project.

News from the Community

GHENT UNIVERSITY

https://www.ugent.be/en

To visit Ghent University virtual EXPO booth, click the

picture, or follow the link below:

www.circulareconexpo.net/ghent-university/

Since the end of the Repar3D Project (*Recycling and Repurposing of Plastic Waste for Advanced 3D Printing Applications*), the University of Ghent has published a couple of articles related to their work on the project, in the Journal of Composites Science (MDPI). The articles published are:

Comparing Degradation Mechanisms, Quality, and Energy Usage for Pellet- and Filament-Based Material Extrusion for Short Carbon Fiber-Reinforced Composites with Recycled Polymer Matrices

by Marah Baddour; Chiara Fiorillo; Lynn Trossaert; Annabelle Verberckmoes; Arthur Ghekiere; Dagmar R. D'hooge; Ludwig Cardon; and Mariya Edeleva. (Volume 8 Issue 6). To read this publication, follow this link.


Comparing Degradation Mechanisms, Quality, and Energy Usage for Pellet- and Filament-Based Material Extrusion for Short Carbon Fiber-Reinforced Composites with Recycled Polymer Matrices

Designing Prepregnation and Fused Filament Fabrication Parameters for Recycled PP- and PA-Based Continuous Carbon Fiber Composites

by Marah Baddour; Ruth Garcia-Campà; Pablo Reyes; D,Dagmar R. D'hooge; Ludwig Cardon; and Mariya Edeleva (Volume 17 Issue 8). To read this publication, follow this link.


Designing Prepregnation and Fused Filament Fabrication Parameters for Recycled PP- and PA-Based Continuous Carbon Fiber Composites

CircularEconEXPO supporting the HiBarFilm2 Project

A current UK funded project, *HiBarFillm2-High barrier monomaterial flexible films for food contact applications*, is now part of CircularEconEXPO community, where their activities will be showcased.

The HiBarFilm2 Project is an Innovate UK funded project (project, reference: 10015317) that started in March 2022 and is expected to run for 36 months. Its aim is to develop the next generation of high barrier films for food packaging using functionalised nanomaterials ("HiBarFilm2 Consortium"). Haydale Composite Solutions Ltd is leading the consortium of eight companies – BASF, Bangor University, Cambridge Nanomaterials Technologies, Dunbia, Fre-Energy, Parkside Flexibles and Wells Plastics.

Join the community!

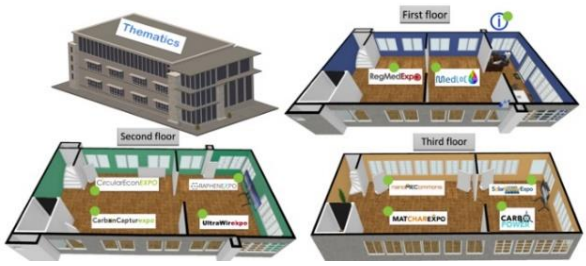
Membership to the CircularEconEXPO will give you the opportunity to have a unique virtual booth, designed according to your particular needs. Your exhibition booth will be part of our virtual exhibition space, which has hundreds visits per year from the CircularEconEXPO community. This virtual area will be also available to be accessed through our dedicated umbrella platform of EXPO websites, receiving thousands of visits per year, nanoMATexpo www.nanomatexpo.net

You would be invited to participate, present and exhibit at our unique style industry dominated workshops, dedicated to assisting commercialisation of new

technologies and network with technology development and commercialisation leaders.

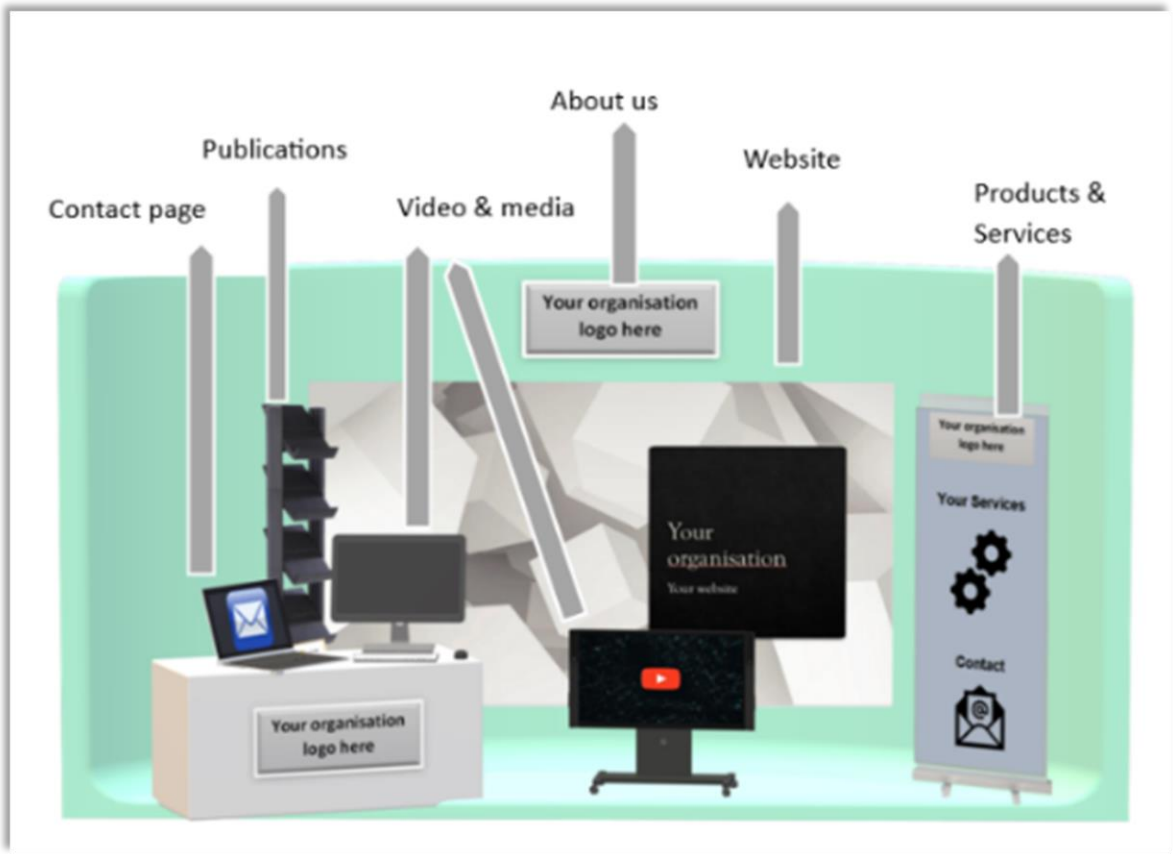
You will receive support from our library of information, with innovative technology solutions, market and patenting trends, and partnership opportunities.

We would use our annual newsletter, to support and promote your organisation.



NanoMatEXPO Platform

www.nanomatexpo.net



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