

# TensiNewsflash

## AUTUMN 2024

Dear TensiNet member,

Please find the latest TensiNewsflash. This summer we had the opportunity to meet at **IASS Symposium 2024** (Zurich), at **Essener Membranbau Symposium 2024** and at **IMS BAUHAUS® Symposium 2024** (Dessau-Rosslau) for its 25th anniversary! This autumn period is looking quieter in terms of events.



Figure 1. VUB team Lars De Laet, Marijke Mollaert and Niels De Temmerman, together with Philippe Block, VUB alumnus and organiser of the IASS symposium at ETH Zurich / Participants at IMS BAUHAUS® Symposium

## TENSINEWS

### TensiNews 47



Enjoy the latest **TensiNews 47** (login). You will find a very detailed report written by Josep Llorens, summarizing the highlights at Textile Roofs 2024. Beside this you find fresh information about different tensile projects, such as a knitted installation in Oregon, a canopy covering a stand in Germany and about the refurbishment of the large membrane roof of Dresden station. Tensile architecture is also an ideal partner to support green façades or shading elements.

The call to submit your contribution for the next TensiNews issue is foreseen end of the year but you can always send your contribution to [evi.corne@vub.be](mailto:evi.corne@vub.be) in advance.

## WORKING GROUP EUROCODE -----



WG leader: Marijke Mollaert

CEN/TC250 Working Group 5 Membrane structures is working on the conversion of the 'CEN/TS 19102:2023 Design of tensioned membrane structures' into an EN Eurocode, this task is currently in the background.

WG5 gives priority to the development of the '**Design of Tensioned Membrane Structures - Execution**'. The minutes of the successive online meetings are available on the TensiNet website (... 17/7/2024, 21/8/2024, 4/9/2024, 24/9/2024, 16/10/2024).

Key experts in the design and construction of membrane structures are still invited to let us know if they would like to contribute to the development of the execution rules. Please send an email to [info@tensinet.com](mailto:info@tensinet.com).



Figure 2. Finmeccanica Pavilion, Form TL, Canobbio

Work on a new product standard for ETFE-foils is postponed.

## WORKING GROUP SUSTAINABILITY & COMFORT -----



WG leader: Carol Monticelli

After the publication by IBU of the Product Category Rules Part B: Requirements on the EPD for structural membranes (fabrics, coated fabrics and foils), the Working Group Sustainability & Comfort focused in the last two months to **understand the technicalities for writing 2 Environmental Product Declarations (EPD)**: a group EPD for PVC coated polyester fabric and a group EPD for ETFE-foils. The help of IBU was needed to understand the modalities to set up the Life Cycle Analysis and to find the values of an average environmental impact assessment, starting from the existing LCAs from the public EPDs present in the databases and related to products on the market. This is the phase of collecting data's, answering the requirements of the EN 15802 (+A2) to choose between the worst-case values or the representative values (the average values?).

A second topic under discussion and development is related to the **PFAS ban consultation**: TensiNet registered to ECHA (European Chemical Agency) to be allowed to participate in the next RAC (Risk Assessment Consultation) meeting (26th November 2024) and SEAC (Socio Economical Assessment Consultation) meeting (27th November 2024) related to the Construction Sector. The aim of TensiNet is to highlight, in the allowed short speech, the characteristics of membranes on terms of environmental impacts during their application and the actual and future End of Life scenarios.

Not yet member of this WG and interested in sharing your experience or actively participating in the discussion? Send an email to [info@tensinet.com](mailto:info@tensinet.com)

## WORKING GROUP DIGITAL -----



WG leader: Maxime Durka

This new working group was launched last year. The aim is to give TensiNet a higher visibility on digital platforms. We have started to improve the TensiNet website and have committed to more regular LinkedIn posts. Today, we reach more than 2171 followers!

## ACTIVITIES AND NETWORKING -----

### TENSINET SYMPOSIUM 2026 Wednesday 30<sup>th</sup> September – Friday 2<sup>nd</sup> October

The date has been fixed! In less than two years the TensiNet symposium **SHAPING THE PATHWAY TO FUTURE TENSIONED MEMBRANE DESIGN** will be held. It will be hosted by the Institute for Metal and Lightweight Structures, University of Duisburg Essen, campus Essen. Initiators are Natalie Stränghoner and Jörg Uhlemann, supported by their team and the TensiNet Association. The main topics are 1/ Design, Modelling and simulation of structural membranes; 2/ Materials and executions and 3/ Sustainability and building physics. In the filled three-day programme, time is also set aside for various visits: visit to the test laboratories of the University of Duisburg-Essen, visit to the Ruhr Museum in Zeche Zollverein and the technical visits to Mehler Technologies and the Factory tour Zoom Erlebniswelt.

## MISC -----



### Course announcement IMS BAUHAUS® Degree - Archineer® for Membrane Structures 2025

The programme is a professional training in order to provide a profound overall education in membrane lightweight structures to a wide range of professionals, such as architects, engineers, craftsmen, managers and anyone else working in this field.

The course is designed to be easily completed on a part-time basis. No admission or travel restrictions simplify participation for interested parties. Upon completion, students are awarded the IMS BAUHAUS® degree Archineer®, a protected, internationally registered trademark exclusively licensed by our institute and well-known in the industry.

Date: 18.02.2025 until 26.07.2025

Details: <https://www.ims-institute.org/ims-education/archineer/>

Contact: [archineer@ims-bauhaus.de](mailto:archineer@ims-bauhaus.de)

Registration deadline: 31. January 2025

Kind regards,

Evi Corne & Marijke Mollaert