

TensiNewsflash

WINTER 2023

Dear TensiNet member,

Please find below the latest TensiNewsflash. Enjoy reading and the winter season! Best wishes for a healthy and inspiring 2024!

TENSINEWS 46 CALL FOR CONTRIBUTIONS DEADLINE 31.01.2024 -----

We invite our members to submit for the next TensiNews issue an article, project description, upcoming event, new development, research report or book review*. Send your contribution to evi.corne@vub.be.

Please follow these simple rules:

- The text should be written in English, submitted in Word-format
- Images are to be sent separately, with a resolution of 300dpi in .jpg-format (For easy reference during the layout process, it can be useful to include a copy of the pictures in the text file as well).
- For research articles the maximum word amount is set to 5000 words (equivalent of four pages in TensiNews layout).
- Project descriptions need to be accompanied by full contact details of the author, and other information such as architect, contractor, approx. span, height, membrane material, etc. This facilitates the inclusion of the project in the online database. (See below)

Name of the project:
Location address:
Client (investor):
Function of building:
Type of application of the membrane:
Year of construction:
Architects:
Multi-disciplinary engineering:
Structural engineers:
Consulting engineer for the membrane:
Engineering of the controlling mechanism:
Main contractor:
Contractor for the membrane (Tensile membrane contractor):
Supplier of the membrane material:
Manufacture and installation:
Material:
Covered surface (roofed area):

* TensiNet and TensiNews provide to partners and members a platform to present projects, new developments and scientific results. The articles within TensiNews should have a scientific, technical or journalistic value, i.e. it should be informative, and not mainly marketing information.

WORKING GROUP EUROCODE -----

WG leader: Marijke Mollaert



The Specifications and Eurocode Working Group had its last (online) meeting on 29/11/23. Carl Maywald presented some comments on the current TS19102 Design of tensioned membrane structures related to the mechanical performance of ETFE-foils. It is proposed to start work on a product standard for ETFE-foils. Adrian Cabello presented non-linear models, and the possibility of having a “matrix” of cases for material behaviour. Concerning the execution document: Jörg Uhlemann agreed to prepare a proposal that could be discussed. The next online meeting is planned 20/3/24.

WORKING GROUP SUSTAINABILITY & COMFORT -----



WG leader: Carol Monticelli

You will find a detailed update on the WG activities in the latest TensiNews 45. [Link](#) (login first)

The next WG meeting will be held online in the mid of January. It will be the first meeting 2024 and new topics are still on the table!!! A doodle will be launched before Christmas!

Not yet active in this WG and interested to join? Send an email to info@tensinet.com

ACTIVITIES AND NETWORKING -----

UPCOMING SYMPOSIUM IASS **ABSTRACT SUBMISSION DEADLINE 31.12.2023**

Next summer IASS 2024 **REDEFINING THE ART OF STRUCTURAL DESIGN** is hosted by the National Centre of Competence in Research Digital Fabrication (NCCR DFAB) at the Institute of Technology in Architecture (ITA) of ETH Zurich. The NCCR DFAB is Switzerland's initiative to lead the development and integration of digital technologies within the fields of architecture and construction. The conference chairs are Philippe Block, Jacqueline Pauli, Catherine De Wolf and Walter Kaufmann. The Block Research Group at ETH Zurich recently became a university member of TensiNet. In the **video** you can get to know the chairs and get an impression of the beautiful city of Zurich in Switzerland.

IASS has several Working Groups of which WG6 “**Tension and Membrane Structures**” is chaired by Ken'ichi Kawaguchi and Marijke Mollaert. It would be good if the TensiNet Association could be represented at IASS 2024 by interesting lectures from its members!

We encourage you to write an abstract about an interesting project, research or new product that can highlight issues related to sustainability.

Abstracts must be submitted online by 23:59 (CEST), Sunday **31.12.2023**. See [link](#) for more detailed information.

Kind regards and enjoy the winter season!

Evi Corne & Marijke Mollaert