

8th TensiNet Symposium 2026 & 7th Essener Membranbau Symposium 2026
„Shaping the pathway to future tensioned membrane design“
September 30 – October 2, 2026, Essen, Germany

Day-by-Day Overview of Full Symposium Activities (Preliminary Version 06.08.2026)

Thursday, October 1st

<i>Time</i>	<i>Building/Room</i>	
8:30 – 9:00	Glaspavillon	Registration
9:00 – 9:45	Glaspavillon	Keynote Lecture: Durability assessment and enhancement of membrane structures <i>Christoph Paech</i>
9:45 – 10:30	Glaspavillon	Keynote Lecture: Membranes and rapid build entertainment venues – balancing light-weight forms with acoustic requirements <i>Abigail Matthews</i>
10:30 – 11:15	Glaspavillon	Coffee Break
11:15 – 12:45	R11 T00 D03	Parallel Session A: Design, Modelling and Simulation of Structural Membranes (Topic 1) <i>Chair: tba</i> Biaxial test procedures to determine foil properties - Background to Annex E of CEN/TS 19102 <i>Natalie Stranghöner</i> Background to modification factors in structural membrane design <i>Jörg Uhlemann</i> Parametric Driven Approach to the Production of Organic-Shaped ETFE Cushion Structures: Case Study of the Perugia Bus Station Canopy - Milan Dragoljevic Advanced Software Tools for Lightweight Cable Structures – Fast and Automated Calculation Approaches <i>Kai Heinlein</i> Bio-Based Skin and Bones: HEMP CNC-Knitted and Robotically Wound Material System for Sustainable Membrane Structures - Yuliya Sinke
11:15 – 12:45	R11 T00 D05	Parallel Session B: Materials and Execution (Topic 2) <i>Chair: tba</i> Renovation of Dresden Central Station Membrane Roof <i>Thomas Hermeking</i> Shading a Medieval-Themed Environment: La Puebla Real at Puy du Fou España <i>Marina Rodriguez</i> Imagine There's No PFAS: Responding to Disruption in the Tensile Membrane Industry <i>Paul Romain</i> Shifting Paradigms: Relevance of Fabrics and Foils in the Built Environment <i>Katja Bernert</i> Scaling Solar Textiles: From Proof of Concept to Architectural Application with Heliotex <i>Pauline van Dongen</i> From Solar Textile to Large-Scale Building Applications: A State-of-the-Art Review <i>Siman Zhang</i>
12:45 – 14:00	Mensa	Lunch
14:00 – 14:45	Glaspavillon	Keynote Lecture: Membranes refreshed <i>Bernd Stimpfle</i>
14:50 – 15:50	R11 T00 D03	Parallel Session A: Design, Modelling and Simulation of Structural Membranes (Topic 1) <i>Chair: tba</i> Air-Supported Structures 2025: The New DIN 4134 in the Mirror of Its Predecessor <i>Patrick Beck</i> Towards the Standardization of Wind Loads on Membrane Structures: Hyperbolic Paraboloid and Cone <i>Rodrigo Castedo-Hernández</i> CFD-based wind load determination in a digital wind tunnel – Applications with Dlubal RFEM and RWIND <i>Clemens Gutmann</i> Wind is the Ultimate Artist: Towards an Architecture of Dynamic Equilibrium <i>Günther H. Filz</i>
14:50 – 15:50	R11 T00 D05	Parallel Session B: Sustainability and Building Physics (Topic 3) <i>Chair: tba</i> Environmental Performance of Temporary Reusable Membrane Structures: A Life Cycle Assessment <i>Zehra Eryuruk</i> Testing Hygroscopic and UV Behaviour of Natural Knitted Membranes for Simulating and Designing Cultural Heritage Applications - Giuseppe Noventa System Identification in Membrane Structures: Seam Stiffness Calibration <i>Talhah Shamschad Ali Ansari</i> Cable nets – structures providing energy gain and sink <i>Rosemarie Wagner</i>
16:00 – 18:30	Glaspavillon	Transfer/Visit/Museum
18:30 – 19:00	Zollverein	Reception
19:00 – 23:00	Zollverein	Conference Dinner