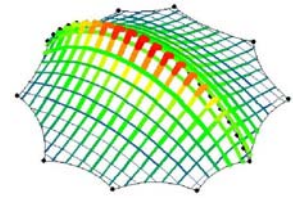


# Textile Roofs 2019

24<sup>th</sup> International Workshop on the Design and Practical  
Realization of Architectural Membrane Structures

20<sup>th</sup> -22<sup>nd</sup> May 2019 | Berlin, Germany



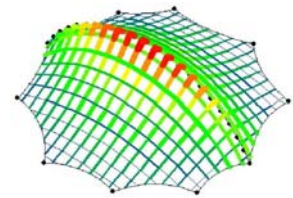
## Program Structure

<b>Monday, May 20<sup>th</sup>, 2019</b>		
08:00 – 09:00	<b>Registration</b>	
<b>Morning Session</b> 09:00 – 13:00 (incl. coffee break)	<b>Welcome</b>	<b>Juliana Obynochnaya</b> academus GmbH, Berlin, Germany  <b>Prof. Dr.-Ing. Rosemarie Wagner</b> KIT, Karlsruhe, Germany
	<b>Design and Calculation</b> From the Idea to the Concept Chaired by <b>Prof. Rosemarie Wagner</b>	
	<b>Lightweight Design with Maffeis Engineering</b>	<b>M.Sc. Antonio Diaferia</b> Maffeis Engineering SpA, Solagna, Italy
	<b>Computational Modeling of Membrane Lightweight Structures</b>	<b>Dr.-Ing. Dieter Ströbel</b> Product Manager technet GmbH
	<b>Smart Wraps: Textile Facades</b>	<b>Katja Bernert</b> Mehler Technologies, Germany
	<b>Lightweight Membrane Structures</b>	<b>Univ. Lecturer, Dipl.-Ing. Dr. techn. Robert Roithmayr</b> , formfinder GmbH, Vienna
	<b>Detailing</b>	<b>Prof. Josep Ilorens</b> , UPC Barcelona, Spain
	<b>Introduction to the Participant Project</b>	<b>Dipl.-Ing. Stev Bringmann</b> , CEO of 3dtex, Germany
	13:00 - 13:45	<b>Lunch, Talk &amp; Exhibition</b>
<b>Afternoon Session</b> 13:45 – 17:30 (incl. coffee break)	<b>Physical Modeling</b>	<b>Dr.-Ing. Bernd Sum</b> Karlsruhe Institute of Technology, Germany
	<b>Computational Modeling</b>	<b>Team of technet GmbH</b> technet GmbH, Stuttgart
	<b>Workshop Participant Project I</b> Defining Ground Area, Setting Anchors	<b>Dipl.-Ing. Stev Bringmann</b> CEO of 3dtex, Germany
17:30 – 18:30	<b>Evening Guest Lecture</b> “ To Shape or to Form – That is the question” <b>Mr. Nicholas Goldsmith</b> FAIA LEED AP Senior Principal at FTL Design Engineering Studio New York, United States of America	
18:30	<b>Rainy ;- ) Barbecue in the Observatory’s Garden</b>	

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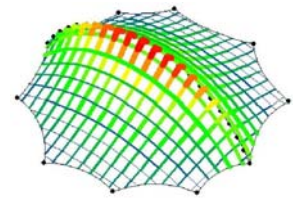


<b>Tuesday, May 21<sup>st</sup>, 2019</b>		
<b>Morning Session</b> 09:00 – 12:30 (incl. coffee break)	<b>Detailing and Industry</b> The Secret of Perfectionism in Membrane Architecture Chaired by <b>Prof. Rosemarie Wagner</b>	
	<b>Development of Membrane Structure Technology - Market Conditions in China</b>	<b>Prof. Dr. Wujun Chen</b> Jiao Tong University, Shanghai, P.R. China
	<b>Material and Process Developments in Fibre Reinforced Flexible and Rigid Composites</b>	<b>PD Dr.-Ing. Thomas Stegmeier</b> ITV Denkendorf, Germany
	<b>Shaping Hybrids – Prototyping of New Material Systems</b>	<b>Prof. Dr.-Ing. Christoph Gengnagel</b> UdK Berlin, Germany
	<b>Architecture Fully Fashioned</b>	<b>Prof. Dr.-Ing. Claudia Lüling</b> Universität Frankfurt, Germany
	<b>Retractable Membrane Roofs</b>	<b>Nikolai Kugel</b> arch22   bogenrieder crumbach kugel, Stuttgart, Germany
	<b>HF Welding by Forsstrom</b>	<b>Mikhail Wallin</b> Forsstrom HF AB, Sweden
12:30 - 13:15	<b><i>Lunch, Talk &amp; Exhibition</i></b>	
<b>Afternoon Session</b> 13:15 – 16:15 (incl. coffee break)	<b>Physical Modeling</b>	<b>Dr.-Ing. Bernd Sum</b> Karlsruhe Institute of Technology, Germany
	<b>Computational Modeling</b>	<b>Team of technet GmbH</b> Product Manager technet GmbH
	<b>Workshop Participant Project II</b> Welding and Construction	<b>Dipl.-Ing. Stev Bringmann</b> Architect, 3dtex GmbH
16:30	<b><i>Sightseeing at the river Spree by Tourboat</i></b>	
19:30	<b><i>Workshop Banquet at Restaurant "Klipper"</i></b>	

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<b>Wednesday, May 22<sup>nd</sup>, 2019</b>	
<b>Morning Session</b> 09:00 – 13:15 (incl. coffee break)	<b>Realization &amp; Mantling</b> Putting the Pieces together Chaired by <b>Prof. Rosemarie Wagner</b>
	<b>Case Study by Fabritecture</b>   <b>Dipl.-Ing. (M.Sc.) Björn Beckert</b> Fabritecture, Las Vegas, United States
	<b>The PCT CAN Santander Project</b>   <b>Industrial Engineer Feike Reitsma</b> IASO SA, Lleida, Spain
	<b>On the Path to Standardized Membrane and Tent Structures: Intermediate Status and Outlook</b>   <b>Dr.-Ing. Jörg Uhlemann</b> Universität Duisburg-Essen, Germany
	<b>Acceptance of Membrane Architecture in India – A Tour with Indian Projects</b>   <b>Archeneer (M.St.) Abdul Sathar</b> Technospan Structures pvt Ltd., Bangalore, India
	<b>Behaviour of Double Layer Membrane Covers for Gas Storage</b>   <b>Prof. Dr.-Ing. Rosemarie Wagner</b> KIT, Karlsruhe, Germany
	<b>Bio-based Fibres and Composites for Architectural and Engineering Applications</b>   <b>Patrick Teuffel</b> Teuffel Engineering, Germany
	<b>Monitoring of Membrane Structures Deploying Terrestrial Laser Scanning</b>   <b>Sergey Ryklin</b> , Ryklin Engineering, Heidelberg; <b>Benjamin Ryklin</b> , Taiyo Europe; <b>Dr.-Ing. Daniel Wujanz</b> , technet GmbH, Germany
13:15 - 14:00	<b>Lunch, Talk &amp; Exhibition</b>
<b>Afternoon Session</b> 14:00 – 16:30 (incl. coffee break)	<b>Physical Modeling</b>   <b>Dr.-Ing. Bernd Sum</b> Karlsruhe Institute of Technology, Germany
	<b>Computational Modeling</b>   <b>Team of technet GmbH</b> Product Manager technet GmbH
	<b>Workshop Participant Project III</b> Erection of the Structure   <b>Dipl.-Ing. Stev Bringmann</b> Architect, 3dtex GmbH
	<b>Presentation of the Student's Project</b> Roofing a former Church   <b>Prof. Dr.-Ing. Rosemarie Wagner</b> , KIT, Karlsruhe, Germany <b>Mr. Nicholas Goldsmith</b> , FTL Design Engineering Studio New York, USA <b>Prof. Josep Ilorens</b> , UPC Barcelona, Spain
16:30	<b>Closing</b>