18th NARROW TEXTILE CONFERENCE

Narrow Weaving I Braiding I Narrow Weft & Warp Knitting

Welcome to the 18th edition of the international Narrow Textile Conference (NTC), taking place from **31 August to 2 September 2026**. The event begins with a **Get-Together** on 31 August in Münchberg, featuring a guided tour of the campus machinery park, including 3D braiding machines and weaving facilities, along with insights into research activities at the Institute for Materials Science. Participation in the Get-Together is free of charge when registered for the conference.

The main **conference** continues 1–2 September in Hof, where leading researchers, industry experts, and innovators gather to discuss the latest advances in machine technologies, material finishing, and applications in narrow weaving, braiding, and smart textiles. An **evening networking dinner** on 1 September provides excellent opportunities to foster new contacts and strengthen partnerships.

This unique matchmaking event brings together entrepreneurs, researchers, university professors, and students. Attendees can expect in-depth discussions on the state of the art, serving as a catalyst for new collaborations, product development, and joint projects. Leading machine and fiber manufacturers, partners, and competitors will meet to exchange ideas and explore future opportunities.

Conference location: Alfons-Goppel-Platz 1, 95028 Hof, B-Foyer

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Freunde und Förderer Hochschule Hof

Registration

www.hof-university.de/NTC

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01. – 02.09.26

Location: Hof, Germany

Hochschule Hof University of Applied Sciences

Hochschule Niederrhein University of Applied Sciences

JAKOB MÜLLER GROUP

Dresden University of Technology

Registration

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TUESDAY SEPTEMBER 01, 2026

9:00 – 10:00	WELCOME and REGISTRATION Coffee and cake
10:00 – 10:20	Dr. Janpeter Horn ***VDMA Trade Association Textile Machinery*** Prof. Dr.-Ing. Frank Ficker ***Institute for Materials Science*** Opening & Welcome
10:20 – 10:45	Daniel Martin ***SYNTORR, INC.*** Biomedical textiles: a braid example, and economic drivers
10:45 – 11:10	Tina Lehnigk ***Gleistein GmbH*** Making Heavy Work Light – Braided Ropes from High-Modulus Fibres in Lifting and Mooring
11:10 – 11:35	Samuel Bollmann **Textile Research Institute Thüringen-Vogtland e.V.** Green Tex
11:35 – 12:00	Julia Orlik ***Fraunhofer Institute for Industrial Mathematics*** Yarn-level simulation of mechanical properties for braided, woven and knitted structures
12:00 – 13:00	LUNCH BREAK Poster Session & Exhibition Stands
13:00 – 13:25	Prof. Dr.-Ing. habil Yordan Kyosev ***ITM TU Dresden, Texmind UG*** Possibilities for high fidelity braiding product and process simulations
13.25 – 13:50	Joe Loos ***Barbett Industries*** TBA
13:50 – 14:15	Dennis Behnken ***Herzog GmbH*** Leaving the (braiding) track: New product potentials following innovative developments in braiding machine designs and automation.
14:15 – 14:45	Dr.-Ing. Johannes Wendler ***ifk TU Chemnitz*** Braided Sensors For Monitoring Of Textile Facade Greening Structures
14:45 – 15:10	Laura Chiara Wittich ***ITM TU Dresden*** Modeling of Braided Yarn Structures for Elastomer Composite Materials
15:10 – 15:30	COFFEE BREAK Poster Session & Exhibition Stands
15:30 – 15:55	Roxana Miksch ***Institute for Materials Science, Hof University*** Variation braiding 6x6 and 8x8: Innovative technologies for advanced multifurcated structures
15:55 – 16:20	Lars Muschalski ***ILK TU Dresden*** Simulation of braided rope structures - Manufacturing and Testing
16:20 – 16:45	Karline Großer ***Institute for Materials Science, Hof University*** Willow wood braids: A new class of material for architecture, agriculture, and lightweight applications
16:45 – 17:10	Dr. Andreas Todt ***Fraunhofer Application Center Textile Fiber Ceramics*** Braided textile netbands for deployable New Space reflector antennas
17:10 – 17:35	Dr. Hadi Dabiryan for Zinatsadat Mazloomi ***Amirkabir University of Technology (Tehran Polytechnic)*** Mathematical and computational modelling the geometry of cylinders fabricated by braiding method with circular braided cutout
19:00	**EVENING EVENT** **Kastaniengarten Hof** Hotel Central, Kulmbacher Str. 2 1. Stock, 95030 Hof

WEDNESDAY SEPTEMBER 02, 2026

	Stage 1 (B023)	Stage 2 (B009)
8:30 – 9:00	WELCOME BACK Coffee and cake	
9:00 – 9:25	Prof. Dr. Dominik Nuss ***University of applied sciences - Niederrhein*** Overview of weaving machine developments to provision 3d woven fabrics for various applications	Lennart Hellweg ***University of applied sciences - Niederrhein*** Measuring Movement Comfort in Textile Restraint Systems for Autonomous Vehicles: A Multi-Parameter Approach
9:25 – 9:50	Boyd Higgins ***Jakob Müller Group*** LAB1887 – Where textile innovation becomes reality.	Mandy Geddert ***CHARLE premium haberdashery*** From Synthetic to Biobased: Rethinking Elasticity in Narrow Textiles
9:50 – 10:15	Dr. Thomas Mutschler for Diederik Cuylits ***Culimeta Textilglas-Technologie GmbH & Co. KG*** Pipe rehabilitation textile based on natural fibers	Jan Vychytill ***University of West Bohemia in Pilsen*** Novel elastic tape based training device for improving female pelvic floor health
10:15 – 10:45	COFFEE BREAK Poster Session & Exhibition Stands	
	Stage 1(B023)	**Stage 2 (B009)**
10:45 – 11:10	Dr. Thomas Mutschler ***University of applied sciences - Niederrhein*** Development of innovative inlay-insertion technologies for warp-knitting machines	Hendrik Florian Pötzsch ***ITM TU Dresden*** Tubular tissues with rigid and flexible structural zones and mass transport for the biomimetic construction of the trachea
11:10 – 11:35	Emma Dwinger ***Maschinenfabrik Harry Lucas GmbH & Co. KG*** Small but migthy: The mechanical challenges of small knitting heads	Miriam Orth ***Artur Mönch GmbH & Co. KG*** Challenges and approaches in developing sustainable elastic top bands for medical compression stockings
11:35 – 12:00	Timo Piwonski ***Iprotex GmbH & Co. KG*** Narrow Fabric Textiles – Best Practices from SMEs	Anna Happel ***ITM TU Dresden*** Weave technology for the integral manufacturing of CFRP T- pipe nodes for media transport
12:00 – 13:00	LUNCH BREAK Poster Session & Exhibition Stands	
	Stage 1(B023)	**Stage 2 (B009)**
13:00 – 13:25	Christoph Fahrenbrach ***Barthels-Feldhoff GmbH & Co. KG*** Optimized machine parameters for production of innovative products	Kemal Uslu ***Gebrüder Jaeger GmbH*** Moodulr - Modular components (narrow textiles) in footwear
13.25 – 13:50	Dr.-Ing. Martin Kern ***ITM TU Dresden*** Development of novel shuttle systems for the processing of high-performance fiber materials on shuttle looms	TBA
13:50 – 14:15	Caroline Fischer ***Fraunhofer Application Center TFK*** Knitting the future of footwear: Multiscale Integration of Material and Geometric Programmability into an Adaptive Shoe Demonstrator	Dr. Recep Türkay Kocaman ***Institute for Materials Science, Hof University*** Narrow shuttle weaving: Development of complex tubular near-net-shape woven structures
14:15 – 14:30	COFFEE BREAK Poster Session & Exhibition Stands	
14:30 – 14:55	Yami Quiroga & Eva Howitz ***TU Chemnitz*** Textile trainer: The future of securing skilled workers in the textile industry	
14:55 – 15:20	Kay Ullrich ***Textile Research Institute Thüringen-Vogtland e.V.*** Development of electronic yarns and ribbons through automated thread assembly	
15:20 – 15:45	Jessica Wittmann ***TU Chemnitz, Institute for Materials Science, Hof University*** Antimicrobial Functionalization of Polyester Webbing using Natural Bio-Based Active Agents	
15:45 – 16:00	FINAL DISCUSSION	